

Take

A SIGNATURE CUT, TRUSTED FOR OVER 100 YEARS



PARTS MANUAL

Jacobsen GP400™ Ride on Reel Mower

GP400 Gasoline

Series: GZ

Product Code: USAG004 & 62706

GP400 Diesel Tier 3 (Not USA)

Series: GY

Product Code: USAD004

GP400 Diesel Tier 4

Series: GY4

Product Code: USAD004

GP400 Diesel Stage V

Series: GY5

Product Code: USAD004

WARNING

WARNING: If incorrectly used this machine can cause severe injury. Those who use and maintain this machine must be trained in its proper use, warned of its dangers and must read the entire manual before attempting to set up, operate, adjust or service the machine.



United
Kingdom

RJL AECD

25005G-GB (Rev.B)

Ransomes Jacobsen Limited reserves the right to make design changes without obligation to make these changes on units previously sold and the information contained in this manual is subject to change without notice.

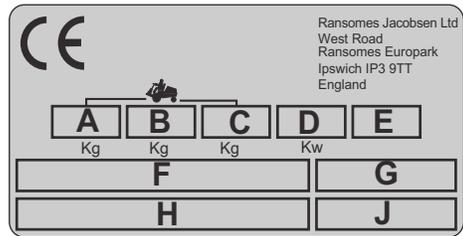
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PRODUCT IDENTIFICATION

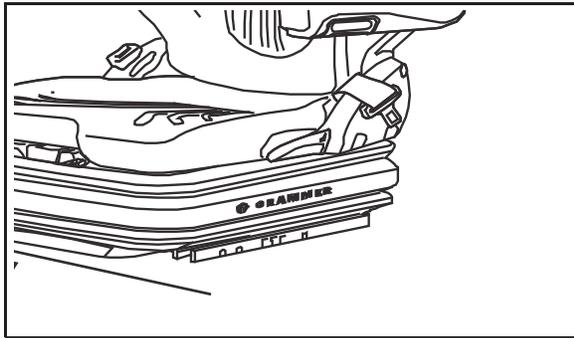
Machine Serial Plate

- A Maximum front axle load in Kg (for machines being driven on the highway)
- B Gross weight (mass) in Kg
- C Maximum rear axle load in Kg (for machines being driven on the highway)
- D Power in Kw
- E Date code
- F Machine type (Designation)
- G Product code
- H Product name
- J Serial number



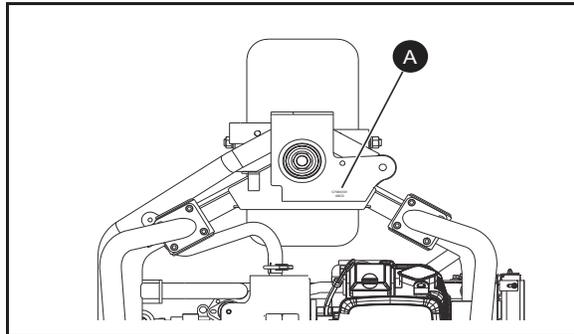
Serial Plate Location

The serial plate is located on the chassis at the rear of the machine.



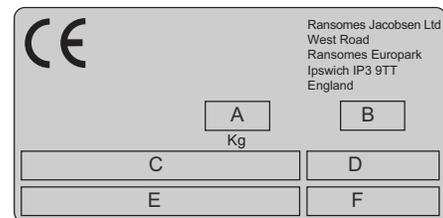
Chassis Stamping

The Serial number and date code (A) are stamped on the chassis rear axle support plate.



ROPS Serial Plate

- A Weight of ROPS
- B Date Code
- C Standard Used
- D Part Number
- E Used on Product
- F Serial Number



ROPS Serial Plate Location

The serial plate is located on the ROPS cross beam between the seat and engine cover.



To keep your equipment fully operational and productive, Ransomes suggests you maintain a stock of the more commonly used maintenance items. We have included part numbers for the additional support materials and training aids.

SERVICE SUPPORT MATERIAL			
Part No.	Description	Part No.	Description
97898-72020	Kubota Diesel Engine Parts Manual	MS-2263	Briggs & Stratton Gasoline Engine Parts Manual
IG689-8916-1	Kubota Diesel Engine Operators Manual	MS-5156-5/03	Briggs & Stratton Gasoline Engine Operators Manual

SERVICE PARTS			
Part No.	Description	Part No.	Description
5002644	Engine Oil Filter Diesel	492932S	Engine Oil Filter Gas
5000913	Air Filter Element Diesel	394018S	Air Filter Element Gas
550489	Fuel Filter Element Diesel	272490S	Air Pre Cleaner Gas
25000G	Safety, Ops and Maintenance Manual	4199061	Hydraulic Oil Filter Element

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HOW TO USE THE PARTS MANUAL

ITEM NUMBER

Each part which is identified in the illustrations has an item number. Parts which do not have an item number may not be readily identified in the illustration but are usually closely associated with the immediately adjacent part.

ASSEMBLIES

A complete assembly, e.g. a wheel motor or hydraulic motor or roll assembly, is listed as a complete item with subsequent individual components listed separately.

The assembly is listed under its part number with component parts being listed offset to the right, e.g.:-

ITEM	PART NO.	DESCRIPTION	QTY	REMARKS
4295	MBG2504	Bracket	1	
4296	MBG3848	Latch	2	
4298	450865	Screw, M8 x 20, Sckt Csk Hd	2	
4300	450378	Nut, M8 Nyloc	2	
4301	WI001	Set Of Wheels	1	
4301.1	008162130	• Wheel & Hub Assy	1	(Rear)
4301.2	008170390	•• Tyre	1	
4301.3	008161830	•• Rim	1	
4301.4	008169140	•• Hub Assy.	1	
4301.5	008169150	•• Cap	1	
4301.6	002993010	•• Lubricator	1	
4301.7	008161990	• Wheel & Tyre	2	(Front)
4301.8	008170780	•• Tyre	2	

It may not be possible to illustrate every item. With certain items purchased from outside suppliers some component parts may not be available from Ransomes and may need to be specially ordered from the supplier.

QUANTITIES

Quantities shown are for one assembly or sub-assembly.

USING THE PARTS LIST

Determine the function and application of the part required. Turn to the main index page and select the appropriate section. Locate the part on the illustration and parts list and read off the quantity from the appropriate MODEL column.

NUMERICAL INDEX

This is a summary of all part numbers used in the manual arranged in numerical sequence and showing the page and item number under which the parts appear.

ORDERING OF SPARE PARTS

When ordering replacement parts, it is most important to quote the SERIAL NUMBER of the machine, PART NUMBER, DESCRIPTION and QUANTITY required.

Any arbitrary modifications carried out on this machine may relieve the manufacturer of liability for any resulting damage or injury.

ABBREVIATIONS

N/A Not Available

ARAs Required

GUIDELINES FOR THE DISPOSAL OF SCRAP PRODUCTS

DURING SERVICE LIFE

Used oil, oil filters and engine coolant are hazardous materials and should be handled in a safe and environmentally responsible way.

In the event of a fluid leak, contain the spill to prevent it entering the ground or drainage system. Local legislation will dictate how such spills are to be treated.

Following the maintenance procedures laid out in this manual will ensure that the impact the machine has on the local environment is controlled.

When it has been identified that a turf care product has no further functional value and requires disposal, the following actions should be taken.

END OF SERVICE LIFE

These guidelines should be used in conjunction with applicable Health, Safety and Environmental legislation and use of approved local facilities for waste disposal and recycling.

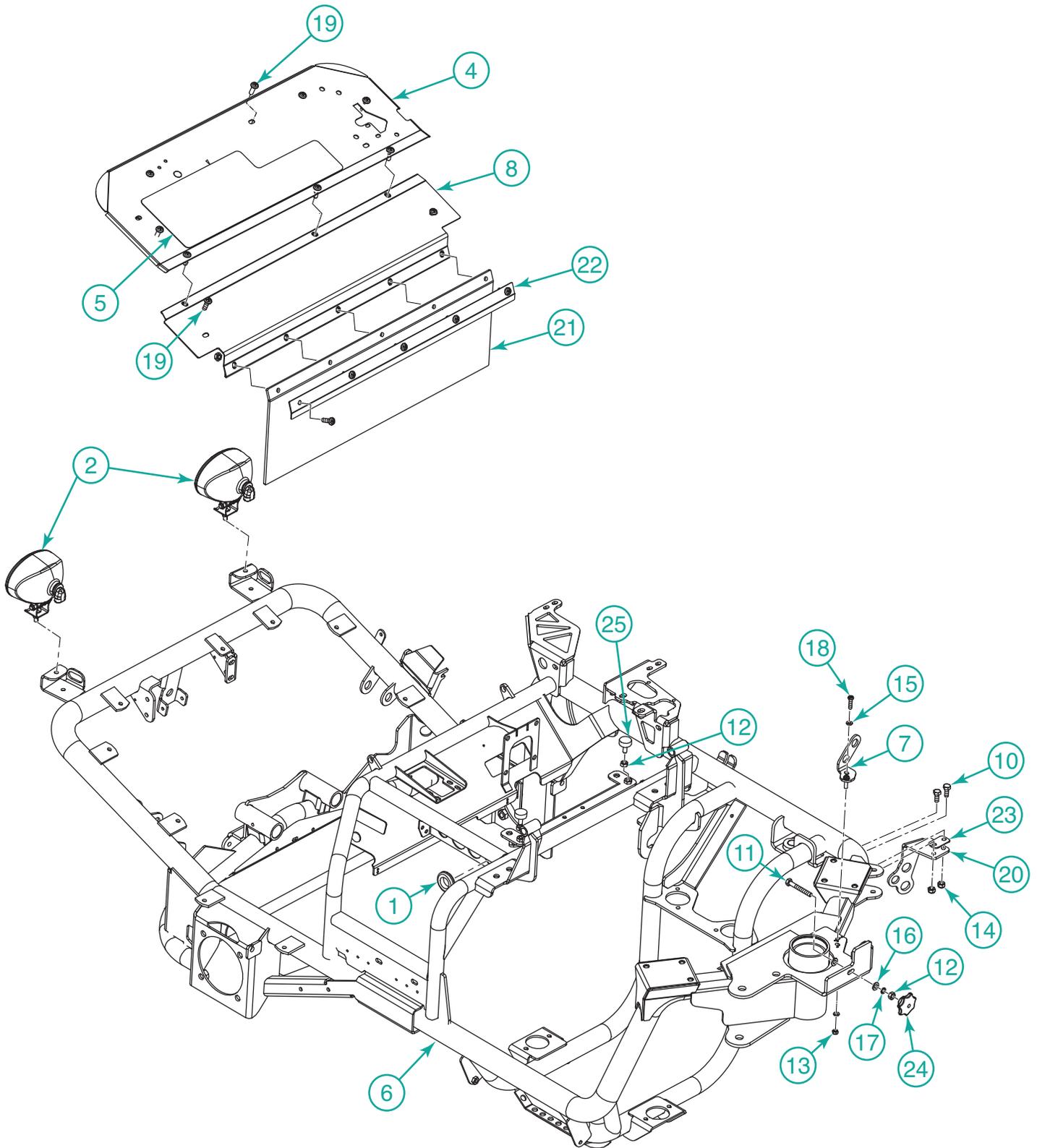
- Position the machine in a suitable location for any necessary lifting equipment to be used.
- Use appropriate tools and Personal Protective Equipment (PPE) and take guidance from the technical manuals applicable to the machine.
- Remove and store appropriately:
 1. Batteries
 2. Fuel residue
 3. Engine coolant
 4. Oils
- Disassemble the structure of the machine referring to the technical manuals where appropriate. Special attention should be made for dealing with 'stored energy' within pressurised elements of the machine or tensioned springs.
- Any items that still have a useful service life as second hand components or can be re-serviced should be separated and returned to the relevant centre.
- Other worn out items should be separated into material groups for recycling and disposal consistent with available facilities. More common separation types are as follows:
 - Steel
 - Non ferrous metals
 - Aluminium
 - Brass
 - Copper
 - Plastics
 - Identifiable
 - Recyclable
 - Non recyclable
 - Not identified
 - Rubber
 - Electrical & Electronic Components
- Items that cannot be separated economically into different material groups should be added to the 'General waste' area.
- Do not incinerate waste.

Finally update machinery records to indicate that the machine has been taken out of service and scrapped. Provide this serial number to Ranmsomes Jacobsen Warranty department to close off relevant records.

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1.1 Chassis

Illustration Number: 4226480-C

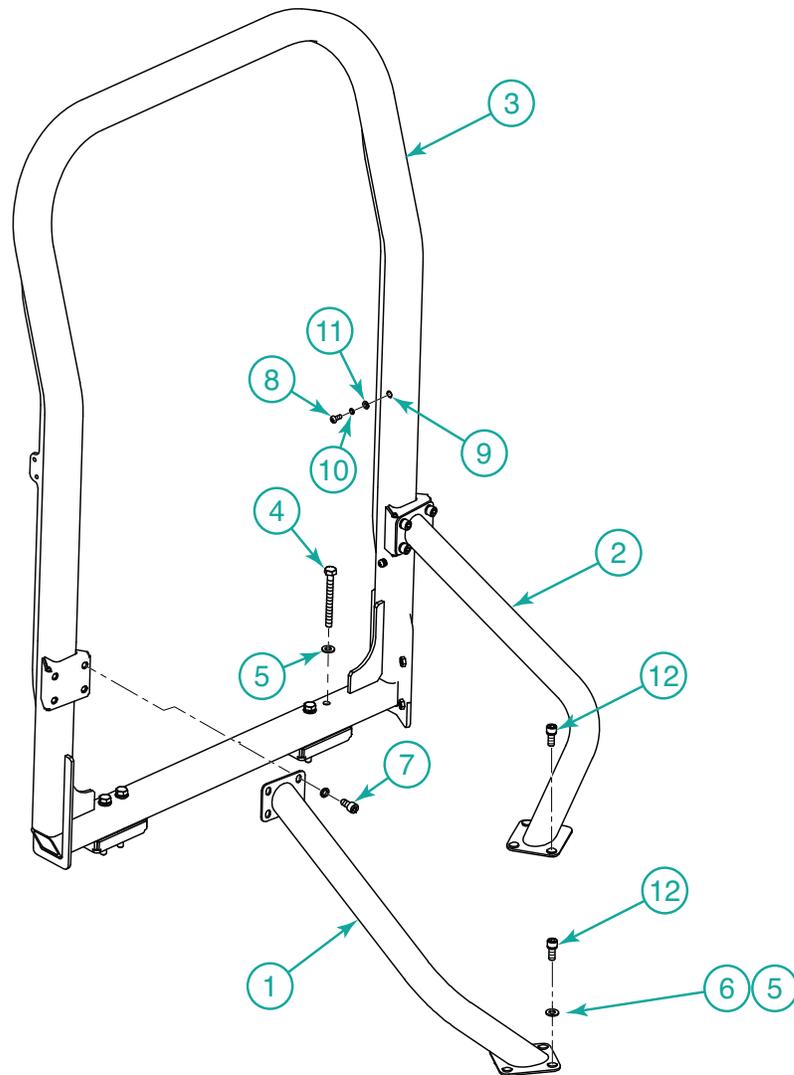


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	002953420	1	Grommet, 25.4 x 44.5 x 9.9 mm	
2	4122840	2	Headlight Assembly	
3	4123183	1	• Bulb, 12.8V	(Not Illustrated)
4	4185100	1	Non Foot Brake Plate	
5	4144911	1	Safety Walk Strip	
6	4218440	1	Chassis Weldment	
7	4238782	1	Valve Bracket	
8	4239702	1	Foot Plate Weldment	
9	844107	1	• Safety Walk Strip	(Not Illustrated)
10	450191	2	Hex Screw, M8 x 20 mm	
11	450199	1	Hex Screw, M8 x 60 mm	
12	450324	4	Hex Nut, M8 (Grade 8)	
13	450377	2	Hex Nut (Nyloc), M6 (Grade 8)	
14	450378	2	Hex Nut (Nyloc), M8 (Grade 8)	
15	450389	4	Washer, M6 x 12.5 x 1.8 mm	
16	450390	2	Washer, M8 x 17 x 1.8 mm	
17	450411	1	Lock Washer, M8 x 12.75 x 2 mm	
18	450543	2	Pan Head Screw, M6 x 25 mm (Grade 4.8)	
19	450553	15	Pan Head Screw, M8 x 25 mm (Grade 4.8)	
20	843404A.06	1	Fitting Mount Bracket	
21	843886	1	Cover	
22	843887	1	Cover Strap	
23	4241282	1	Shim Plate	
24	4187240	1	Knob, M8	
25	4136290	2	Rubber Buffer	

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2.1 ROPS

Illustration Number: 4218580-F

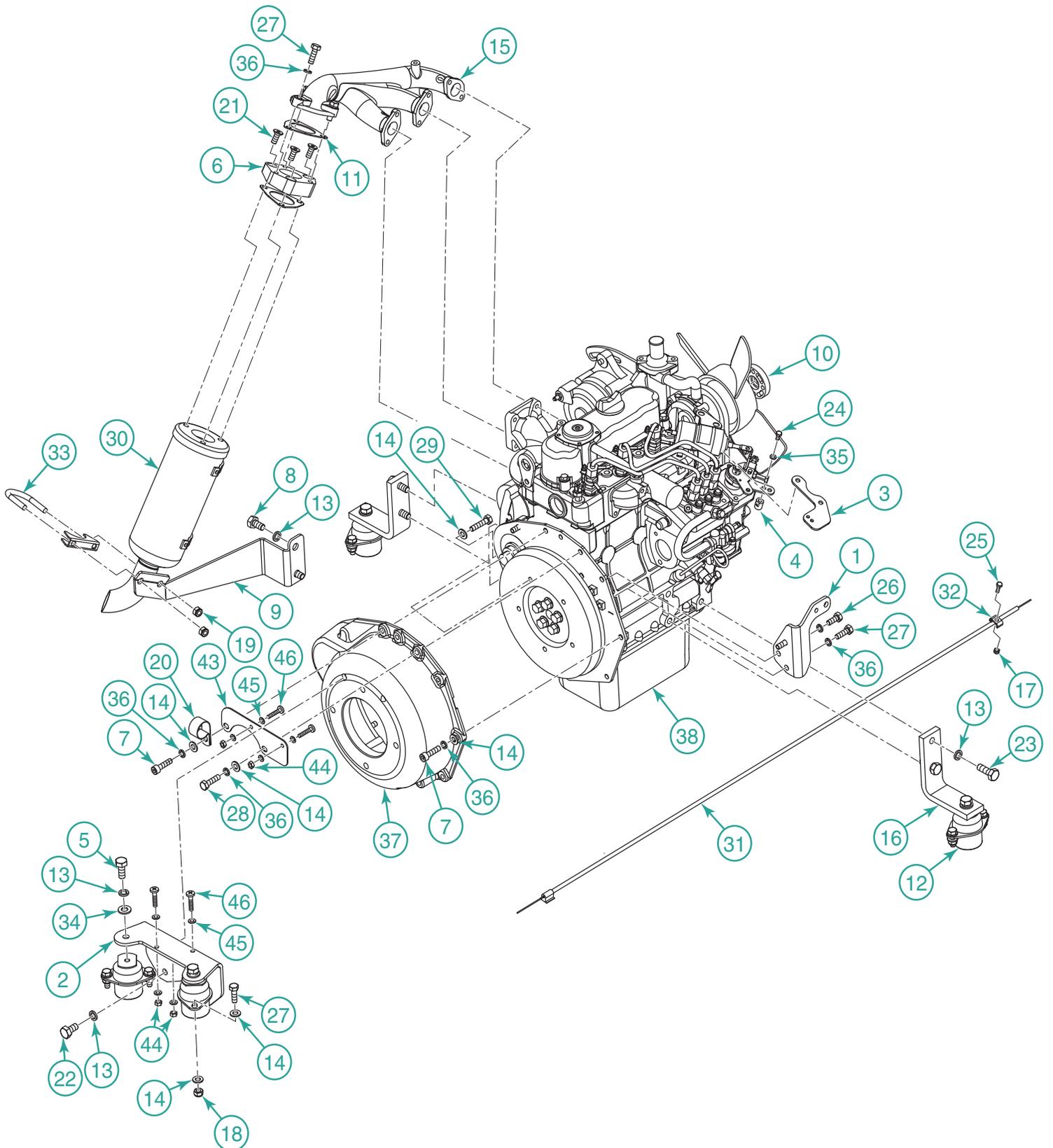


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4218224	1	Rear Strut Rops Weldment, LH	<p>Torque to 50.5 Nm (37.25 lb ft).</p> <p>Item 6 replaced with item 5 after initial assembly alignment.</p> <p>Torque to 71 Nm (52.3 lb ft).</p> <p>Torque to 71 Nm (52.3 lb ft).</p>
2	4218225	1	Rear Strut Rops Weldment, RH	
3	4225282	1	Rops Weldment	
4	450041	4	Hex Bolt, M10 - 1.5 x 100 mm	
5	4245590	18	AV Washer, 10.7 x 16.6 x 2.5 mm	
6	450412	6	Lock Washer, M10 x 15.9 x 2.5 mm	
7	450737	8	Hex Socket Cap Screw, M10 - 1.5 x 20 mm (Grade 12.9)	
8	450541	2	Pan Head Screw, M6 - 1.0 x 16 mm (Grade 4.8)	
9	450357	2	Nutsert, M6 - 1.0 mm	
10	450410	2	Lock Washer, M6 x 9.6 x 1.5 mm	
11	450389	2	Washer, M6 x 12.5 x 1.8 mm	
12	450738	6	Hex Socket Cap Screw, M10 - 1.5 x 25 mm (Grade 12.9)	

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3.1 Engine (Diesel)

Illustration Number: 4226481-E



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4232841	1	Mounting Fuel Filter Bracket	
2	4220841	1	Engine Mount Bracket	
3	839972	1	Mount Throttle Cable Bracket	
4	MBF0942	1	Cable Clamp	
5	450214	4	Hex Screw, M10-1.5 x 25 mm	Torque to 50.5 Nm (37.2 lb ft)
6	4123644.8	1	Exhaust Adapter	
7	450725	4	Hex Socket Capscrew, M8-1.25 x 30 mm	Torque to 26 Nm(19.2 lb ft) (Grade 12.9)
8	001190327	2	Hex Screw, M10-1.25 x 20 mm	Torque to 50.5 Nm (37.2 lb ft)
9	4123646	1	Exhaust Support	
10	006822150	1	Fan Spacer, 10 mm Lg	
11	4124496	2	Gasket	
12	4228480	4	Hydromount xS	
13	450412	12	Lock Washer, M10 x 15.9 x 2.5 mm	
14	450390	23	Washer, M8 x 17 x 1.8 mm	
15	4124180	1	Manifold	
16	4220840	2	Engine Leg Mount (Hydraulic Mount)	
17	450376	1	Hex Nut, M5-0.8 mm (Grade 8)	
18	450378	8	Hex Nut, M8-1.25 mm (Grade 8)	
19	001339050	2	Hex Nut, M8-1.25 mm	
20	469021633	1	P - Clip	
21	450865	3	Countersunk Hex Socket Screw, M8-1.25 x 20 mm (Grade 12.9)	Torque to 26 Nm (19.2 lb ft)
22	450213	2	Hex Screw, M10-1.5 x 20 mm	Torque to 50.5 Nm (37.2 lb ft)
23	006820550	4	Hex Screw, M10-1.25 x 30 mm	Torque to 50.5 Nm (37.2 lb ft)
24	450149	1	Hex Screw, M5-0.8 x 12 mm	Torque to 6 Nm (4.4 lb ft)
25	450151	1	Hex Screw, M5-0.8 x 16 mm	Torque to 6 Nm (4.4 lb ft)
26	450191	1	Hex Screw, M8-1.25 x 20 mm	Torque to 26 Nm (19.2 lb ft)
27	450192	13	Hex Screw, M8-1.25 x 25 mm	Torque to 26 Nm (19.2 lb ft)
28	450193	1	Hex Screw, M8-1.25 x 30 mm	Torque to 26 Nm (19.2 lb ft)
29	450194	2	Hex Screw, M8-1.25 x 35 mm	Torque to 26 Nm (19.2 lb ft)
30	4124181	1	Kubota Silencer	
31	4150739	1	Throttle Cable	
32	W022372	1	Throttle Clamp	
33	001990399	1	U-Clamp	
34	450391	4	Washer, M10 x 21 x 2.2 mm	
35	450388	1	Washer, M5 x 10 x 1.1 mm	
36	450411	13	Lock Washer, M8 x 12.75 x 2 mm	
37	4172801	1	Bell Housing	
38	686060	1	D722 Non-turbo Kubota, Stage V	
39	4143246	1	• Temperature Sensor	(Not Illustrated)
40	450390	5	• Washer, M8 x 17 x 1.8 mm	(Not Illustrated)
41	450190	5	• Hex Screw, M8-1.25 x 16 mm	(Not Illustrated)
42	4172804	1	• Engine Coupling	(Not Illustrated)
43	10003605	1	Engine Fuse Plate	GY500536
44	450322	4	Hex Nut, M5	GY500536
45	450388	8	Washer, M5	GY500536
46	450530	4	Screw - Pan Head, M5-0.8 x 25 mm	GY500536
47	10004583	1	Field Kit, 40A Fused Harness	(Not Illustrated), GY500536

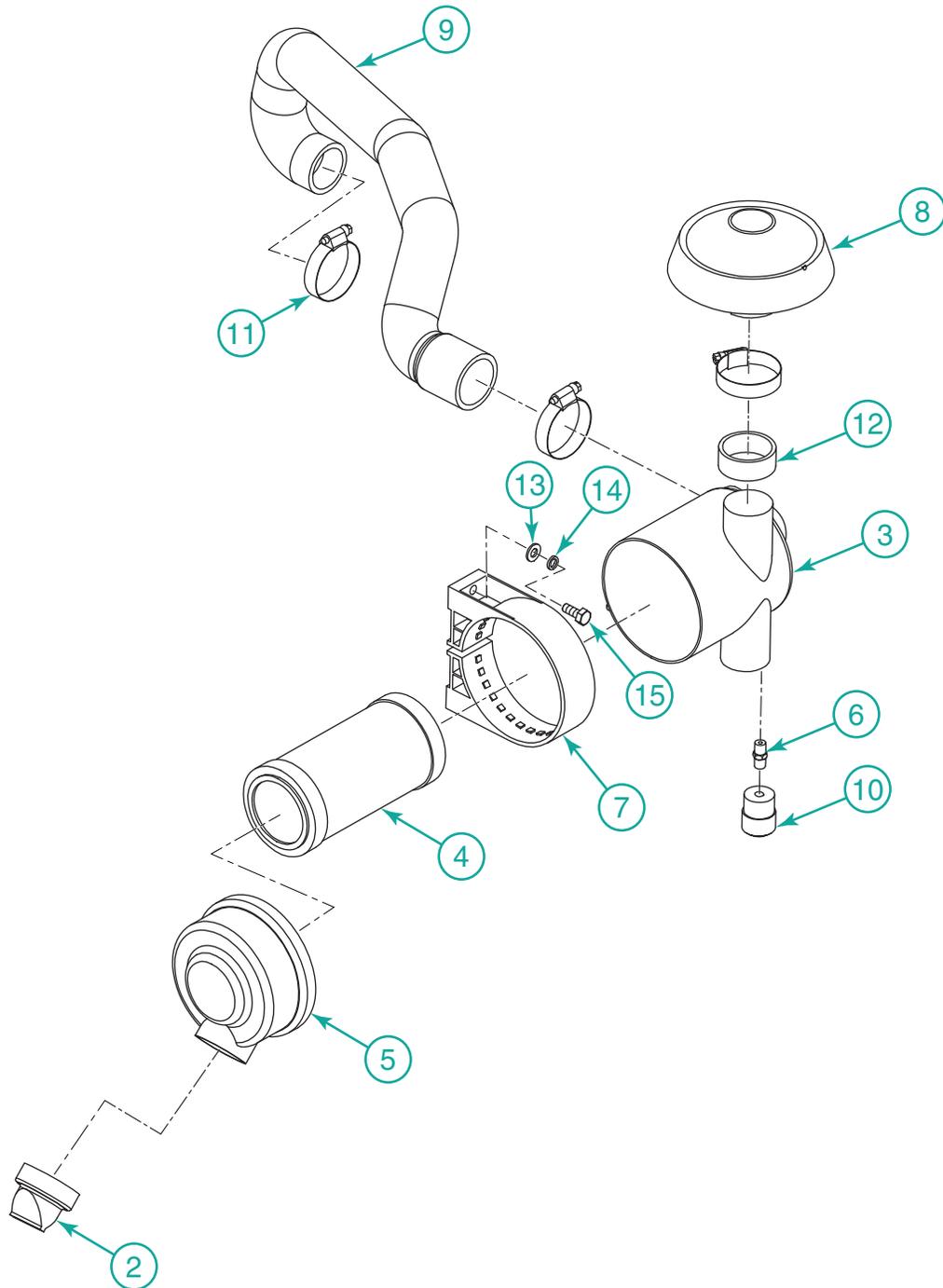
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GP400

Serial No. All

4.1 Air Filter

Illustration Number: 4219020

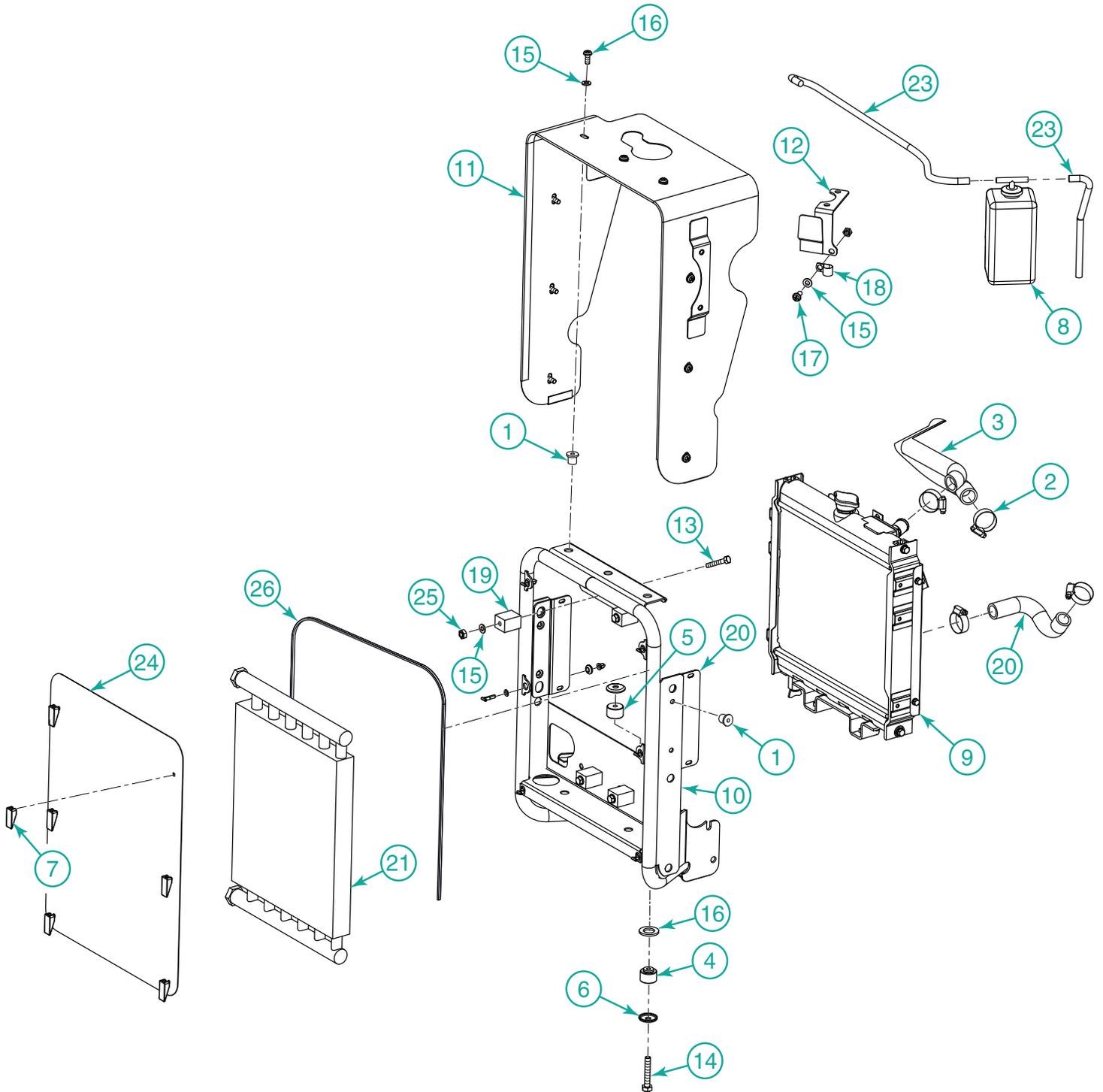


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	893182	1	Air Filter AY	
2	4123046	1	• Vacuator Valve	
3	N/A	1	• Filter Body	
4	5000913	1	• Air Filter	
5	4277671	1	• Filter Cap	
6	840346	1	Gauge Adaptor	
7	008190280	1	Plastic Mounting Band, 5"	
8	4132265	1	Rain Cap	
9	4237802	1	Air Intake Hose	
10	888036	1	Restriction Gauge	
11	001925570	3	Hose Clamp, 34-57	
12	4132266	1	Sleeve	
13	450390	2	Washer, M8 x 17 x 1.8 mm	
14	450411	2	Lock Washer, M8 x 12.75 x 2 mm	
15	450191	2	Hex Screw, M8 x 20 mm	

> Change from previous revision

5.1 Radiator Oil Cooler (Diesel)

Illustration Number: 4232600-C



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	001399240	9	Isolation Nut, M8	
2	001925400	4	Clamp Hose, 19-40	
3	009121760	1	Pipe (Radiator Top)	
4	553886	2	Radiator Cushion	
5	15111-72191	2	Rubber Bushing	Kubota Part
6	15111-72202	4	Washer	Kubota Part
7	2198084	6	Swell Latch	
8	2208079	1	Kubota Overflow Bottle	
9	4144045	1	Radiator	
10	4232680	1	Radiator/Oil Cooler Weldment	
11	4233300	1	Radiator Shroud Weldment	
12	4236583	1	Expansion Tank Bracket Weldment	
13	450199	4	Hex Bolt, M8 x 60 mm	
14	450034	2	Hex Bolt, M10-1.5 x 60 mm	
15	450390	14	Washer, M8 x 17 x 1.8 mm	
16	450394	2	Washer, M20 x 37 x 3.3 mm	
17	450552	10	Pan Head Screw, M8-1.25 x 20 mm (Grade 4.8)	
18	815058	1	Clamp	
19	839501	4	Oil Cooler Block	
20	839953	1	Radiator Lower Hose	
21	841160	2	Radiator Bracket	
22	842916	1	Oil Cooler	
23	835805	2	Expansion Bottle-To-Vent Hose	
24	4246190	1	Radiator Shroud	
25	450378	4	Hex Nut, M8-1.25 x 60 mm	
26	4323409	1	Foam Strip, 1450 mm	
27	523930	1	• Foam	(Not Illustrated)
28	PF24-113	2	• Turbine Housing Seal	(Not Illustrated)
29	002989380	0.6	• Trim Seal	(Not Illustrated)
30	002989470	1.5	• Foam-Closed Cell, Bulk	(Not Illustrated)
31	450378	1	• Hex Nut, M8 (Grade 8)	(Not Illustrated)

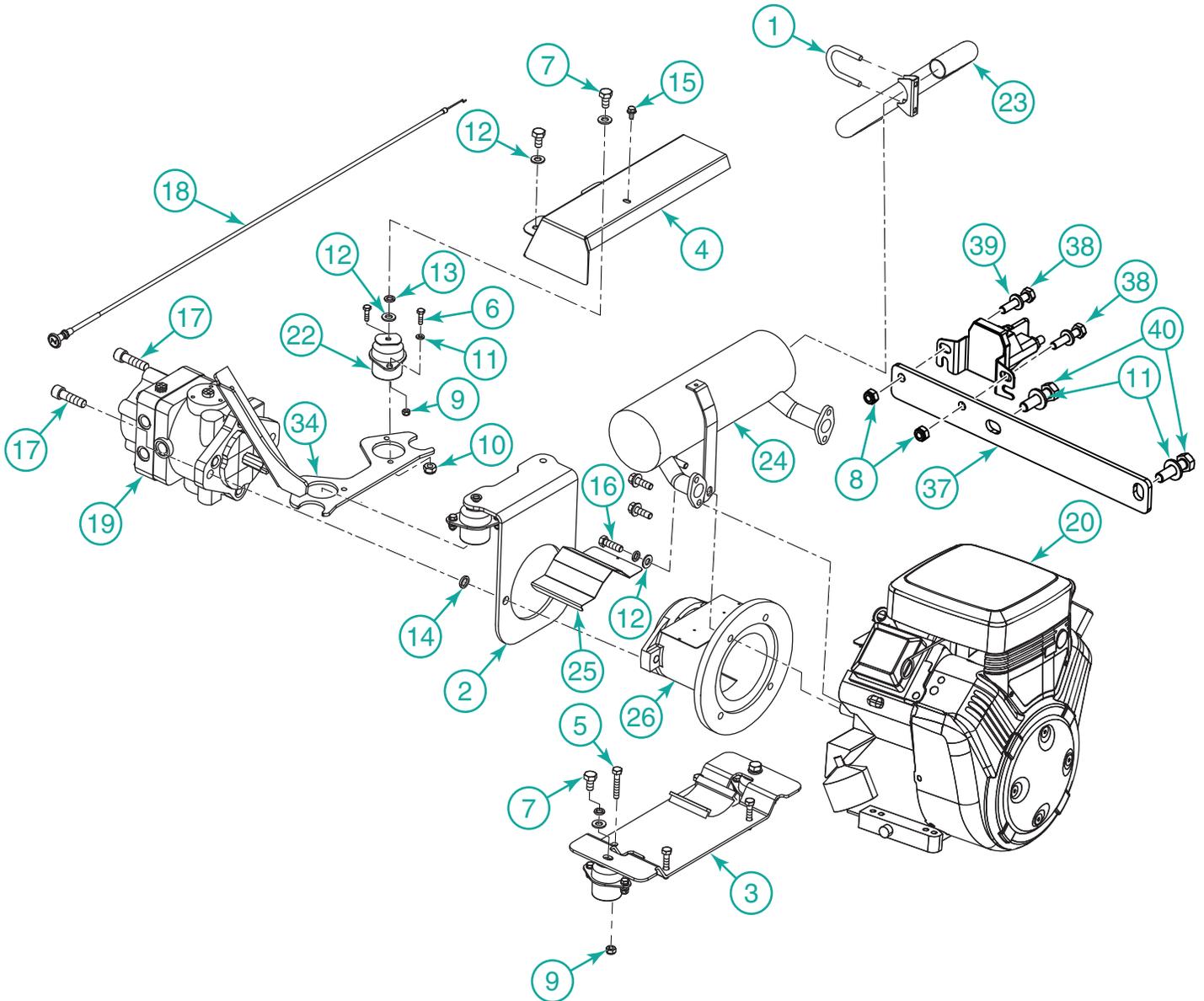
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GP400

Serial No. All

6.1 Engine (Gas)

Illustration Number: 4228542



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4128424	1	U-Clamp, 32 mm	
2	4228560	1	Rear Engine Bracket (Grade 43A)	
3	4228561	1	Engine Mount Plate	
4	4233860	1	Exhaust Cover	
5	450017	4	Hex Bolt, M8 x 45 mm	
6	450171	8	Hex Screw, M6 x 20 mm	
7	450213	4	Hex Screw, M10 x 20 mm	Torque to 60 Nm
8	450377	2	Hex Nut, M6 (Grade 8)	
9	450378	12	Hex Nut, M8 (Grade 8)	
10	450379	16	Hex Nut, M10 (Grade 8)	
11	450390	18	Washer, M8 x 17 x 1.8 mm	
12	450391	10	Washer, M10 x 21 x 2.2 mm	
13	450412	10	Lock Washer, M10 x 15.9 x 2.5 mm	
14	452200168	2	Lock Washer, .5 x 0.763 x 0.116 mm	
15	452692	1	Taptite Hex Screw, M6 - 1 x 12 mm	
16	456110448	4	Hex Screw, 3/8-16 x 1-1/4 mm	
17	800770	2	Socket Capscrew, 1/2-13 x 1-3/4 mm	(Grade 12.9)
18	4239256	1	Choke Cable	
19	894103	1	Hydraulic Pump Assembly	
20	691045	1	Engine, Stage V	18HP Vanguard
21	492932S	1	• Oil Filter	(Not Illustrated)
22	4228480	4	Hydromount XS	
23	2701768	1	Exhaust	
24	4117098	1	Exhaust Muffler	
25	4123676	1	Heat Shield	
26	2702239	1	Coupler & Adapter Housing AY	
27		1	• Pump Adapter Housing	(Not Illustrated) Manf. Part No.145G21204562
28	4197800	1	• Coupling, 11-T Spline	(Not Illustrated)
29	4197802	1	• Spider	(Not Illustrated)
30	4197803	1	• Coupling, 1" Bore	(Not Illustrated)
31		1	• Spider, Manf. Part No.981501	(Not Illustrated)
32		1	• Plastic Guard Cover	(Not Illustrated) Manf. Part No.980053
33		2	• U-Drive Screw, #4 x 3/16	(Not Illustrated)
34		1	Chassis	Reference Part Only
35	4128424	1	Exhaust Clamp 32 mm (1.25")	(Not Illustrated)
36	4150738	1	Throttle Cable (G-PLEX)	(Not Illustrated)
37	10022037	1	Bracket, Solenoid	
38	UK450001	2	Hex Bolt, M6 -1 x 30 (Grade 8.8)	
39	UK450389	2	Washer, M6 x 12.5 x 1.8	
40	UK450014	2	Hex Bolt, M8-1.25x30mm (Grade 8.8)	
41	453003341	1	Key, 1/4" x 1/4" x 2"	(Not Illustrated)
42	UK451126	1	Pan head Screw, #6-1.27 x 9.5	(Not Illustrated)
43	001339050	2	Staytite Nut, M8	(Not Illustrated)
44	4283232	8	Hose Clamp, 9.5 -12	(Not Illustrated)
45	10021953	1	Solenoid, GP400	(Not Illustrated)

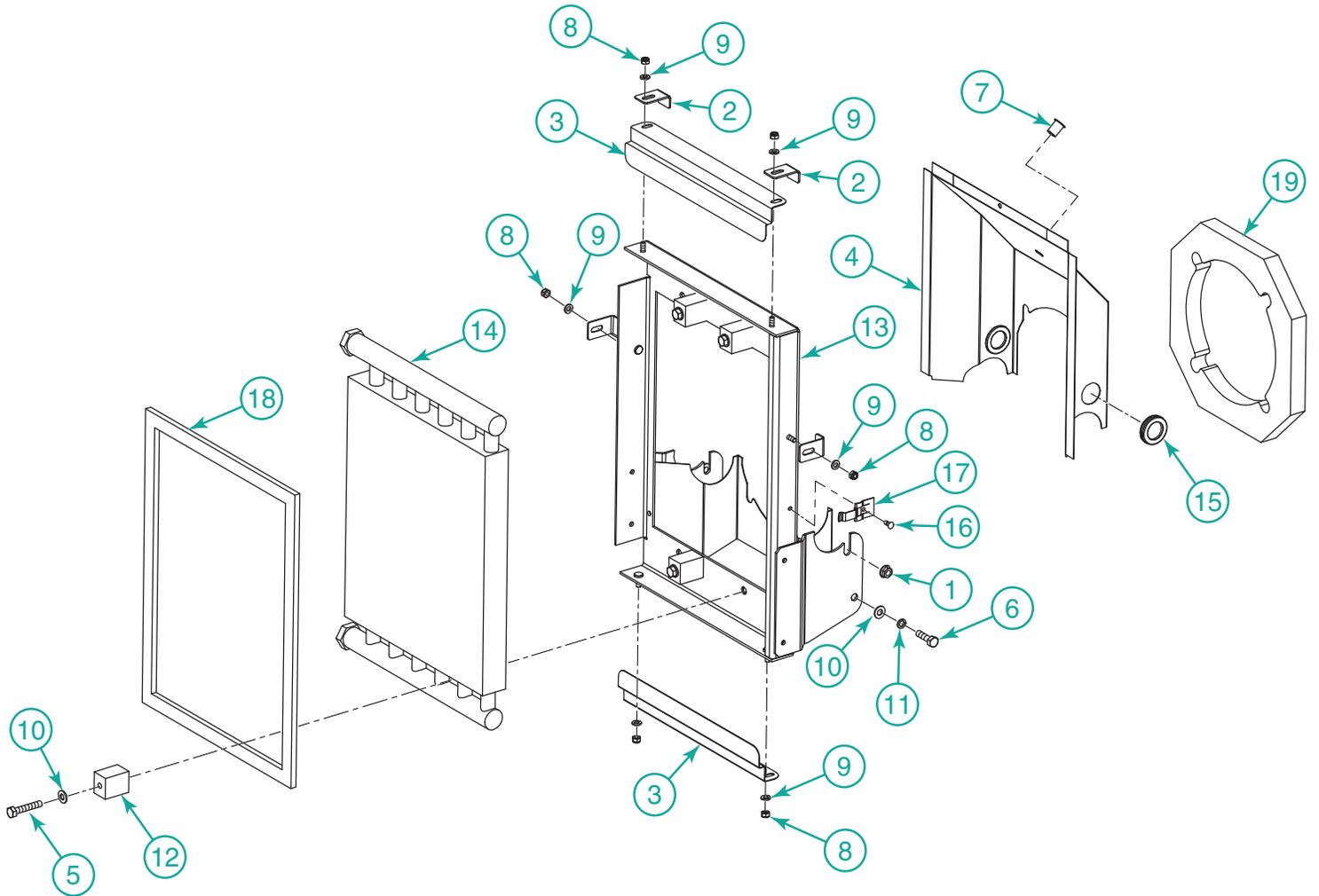
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GP400

Serial No. All

7.1 Oil Cooler (Gas)

Illustration Number: 4146955-B



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	001393010	2	Hex Nut, 5/16-18	
2	4123550	4	Angle Cover	
3	4123563	2	Screen Angle	
4	4140585	1	Air Intake Cover	
5	450017	4	Hex Bolt, M8-1.25 x 45 mm	
6	450193	2	Hex Screw, M8-1.25 x 30 mm	
7	450369	1	Nutsert, M8-1.25 mm	
8	450377	6	Hex Nut, M6-1.0 mm (Grade 8)	
9	450389	6	Washer, M6 x 12.5 x 1.8 mm	
10	450390	6	Washer, M8 x 17 x 1.8 mm	
11	450411	2	Lock Washer, M8 x 12.75 x 2 mm	
12	839501	4	Mounting Block	
13	4140587	1	Cooler Frame AY	
14	842916	1	Oil Cooler	
15	002953320	2	Grommet	
16	001496044	1	Rivet-Pop (SS), 4.8 x 12 mm	
17	835039	1	Snap Fastener	
18	843823	1	Cooler Screen	
19	4142825	1	Cooler Seal	
20	002989380	0.8	• Trim Seal	(Not Illustrated)
21	001925400	6	• Clamp Hose, 19-40	(Not Illustrated)
22	469021633	3	• Hose Clip Large	(Not Illustrated)
23	PF24-113	2	• Turbine Housing Seal	(Not Illustrated)
24	450378	1	• Hex Nut, M8	(Not Illustrated)

> Change from previous revision

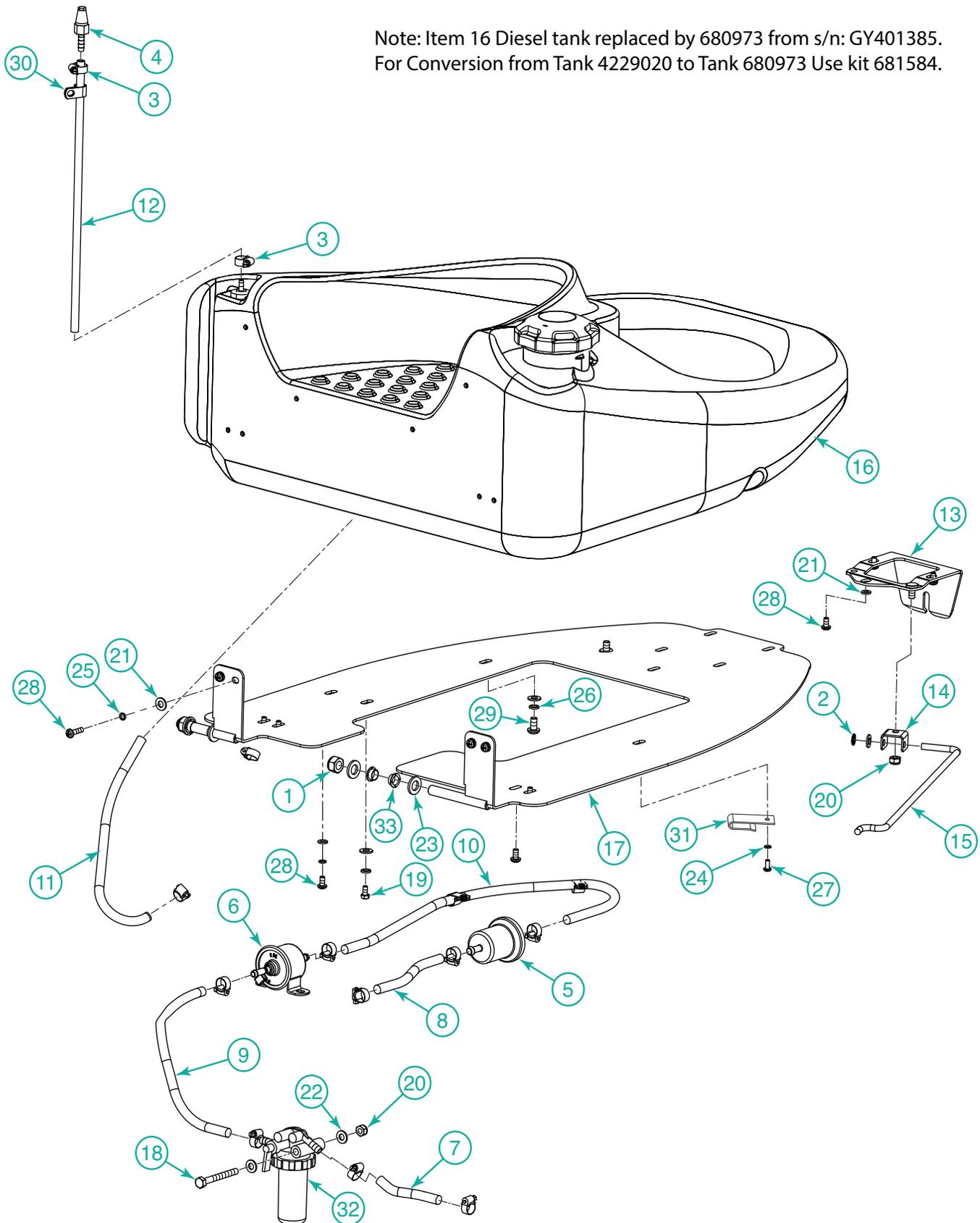
GP400

8.1 Fuel System (Diesel)

Serial No. up to GY4011384

Illustration Number: 4219000-K

Note: Item 16 Diesel tank replaced by 680973 from s/n: GY401385.
For Conversion from Tank 4229020 to Tank 680973 Use kit 681584.



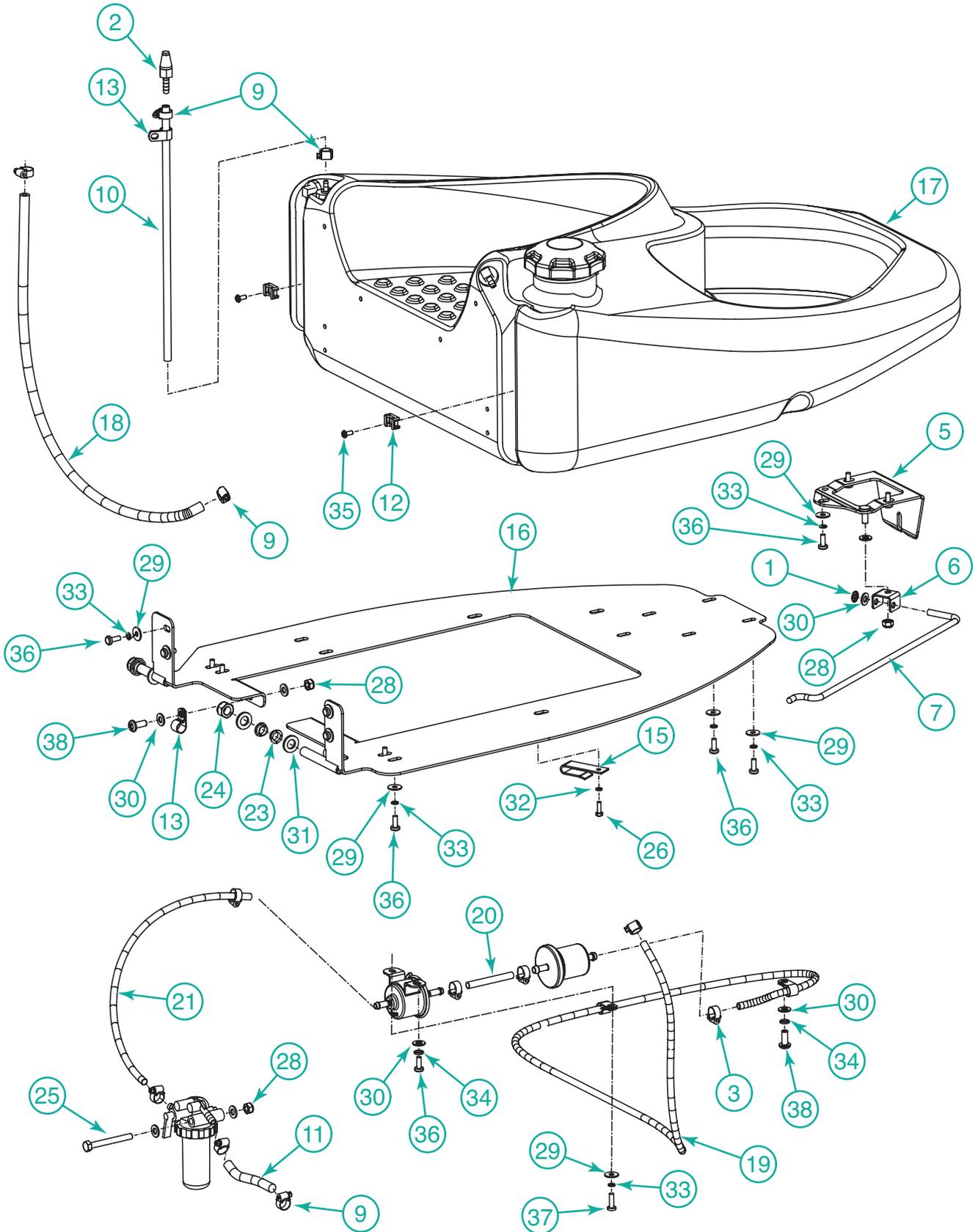
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	001399032	2	Hex Nut, 1/2"-20 mm	
2	001399171	1	Star Ring, 8 mm	
3	4283232	12	Jubilee Hose Clamp, 9.5-12 mm	
4	002497040	1	Breather	
5	5001182	1	Fuel Filter	
6	4126806	1	Electric Fuel Pump	
7	4393850	1	Fuel Hose, 100 mm - 8 mm Dia	
8	4393852	1	Fuel Hose, 200 mm - 8 mm Dia	
9	4393854	1	Fuel Hose, 680 mm - 8 mm Dia	
10	4393857	11	Fuel Hose, 800 mm - 8 mm Dia	
11	4393847	1	Fuel Hose, 520 mm - 6 mm Dia	
12	4393727	1	Fuel Hose, 800 mm - 6 mm Dia	
13	4219180	1	Rear Tank Fixing Weldment	
14	4219200	1	Bracket Stay	
15	4219220	1	Tanks Stay	
16	4229020	1	Fuel Tank Assembly	See "Fuel Tank Diesel" on page 25.
17	4244183	1	Fuel Tank Plate	
18	450022	1	Hex Bolt, M8-1.25 x 70 mm	
19	450168	1	Hex Screw, M6-1.0 x 12 mm	
20	450378	4	Hex Nut, M8-1.25 mm (Grade 8)	
21	450389	12	Washer, M6 x 12.5 x 1.8 mm	
22	450390	7	Washer, M8 x 17 x 1.8 mm	
23	450392	4	Washer, M12 x 24 x 2.7 mm	
24	450409	1	Lock Washer, M5 x 8.55 x 1.5 mm	
25	450410	14	Lock Washer, M6 x 9.6 x 1.5 mm	
26	450411	3	Lock Washer, M8 x 12.75 x 2 mm	
27	450528	1	Pan Head Screw, M5-0.8 x 12 mm	
28	450539	12	Pan Head Screw, M6-1.0 x 12 mm (Grade 4.8)	
29	450551	2	Pan Head Screw, M8-1.25 x 16 mm (Grade 4.8)	
30	469016517	3	P Clip	
31	680777	1	Diesel Clip	
32	892488	1	Fuel Filter AY	
33	J366877	4	Bearing Nyliner	
34	4229000	1	Hydraulic Tank Assembly (Not Illustrated)	
35	681584	1	Tank Conversion Kit	Not Illustrated

> Change from previous revision

8.1 Fuel System (Diesel)

Illustration Number:680972

Serial No. From GY401385 - Current



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	001399171	1	Star Ring 8mm	
2	002497040	1	Breather x 1/4 Barb	
3	-	-	-	
4	-	-	-	
5	4219180	1	Weldment - Support Rear Tank Fixing	
6	4219200	1	Bracket - Stay Tank	
7	4219220	1	Stay - Tank	
8	4229000	1	Assembly - Hydraulic Tank	
9	4283232	12	Jubilee Hose Clamp, 9.5-12	
10	4393727	1	0.375m Length of Fuel Hose 1/4 (6mm)	
11	4393850	1	0.1m Length of Fuel Hose 5/16 (7.9mm) SAE	
12	4395489	2	Saddle Clip, Cable Tie Mount	
13	469016517	5	P Clip	
14	680001941	2	Cable Tie - 270 x 4.8	
15	680777	1	Clip - Diesel	
16	680943	1	Weldment Mounting Plate	
17	680973	1	Assembly - GP400 Diesel Tank	
18	681037	1	0.7m Fuel Hose 1/4" SAE J30R6	
19	692570	1	1.6m Fuel Hose 5/16" SAE J30R6	
20	681066	1	0.1m Fuel Hose 5/16" SAE J30R6	
21	681074	1	0.5m Fuel Hose 5/16" SAE J30R6	
22	-	-	-	
23	J366877	4	Bearing - Nylon liner 1/2Inch	
24	UK001399032	2	Nut-Hex 1/2-20 Nyloc	
25	UK450022	1	Bolt - Hex M8-1.25 x 70, Gr 8.8	
26	UK450151	1	Screw - Hex M5-0.8 x 16, Gr 8.8	
27	-	-	-	
28	UK450378	4	Nut-Hex M8-1.25, Gr 8, Nyloc	
29	452000237	14	Washer - 1/4 x 3/4 x .064	
30	UK450390	10	Washer - M8 x 17 x 1.8	
31	UK450392	4	Washer - M12 x 24 x 2.7	
32	UK450409	1	Lock Washer - M5 x 8.55 x 1.5	
33	UK450410	14	Lock Washer - M6 x 9.6 x 1.5	
34	UK450410	2	Lock Washer - M8 x 12.75 x 2	
35	UK450526	2	Pan Head Screw, M5 - .8 x 12 mm	(Grade 4.8)
36	450541	14	Pan Head Screw, M6 - 1.0 x 16 mm	(Grade 4.8)
37	450542	1	Pan Head Screw, M6 -1 x 20 mm	(Grade 4.8)
38	UK450552	3	Pan Head Screw, M8 - 1.25 x 20 mm	(Grade 4.8)

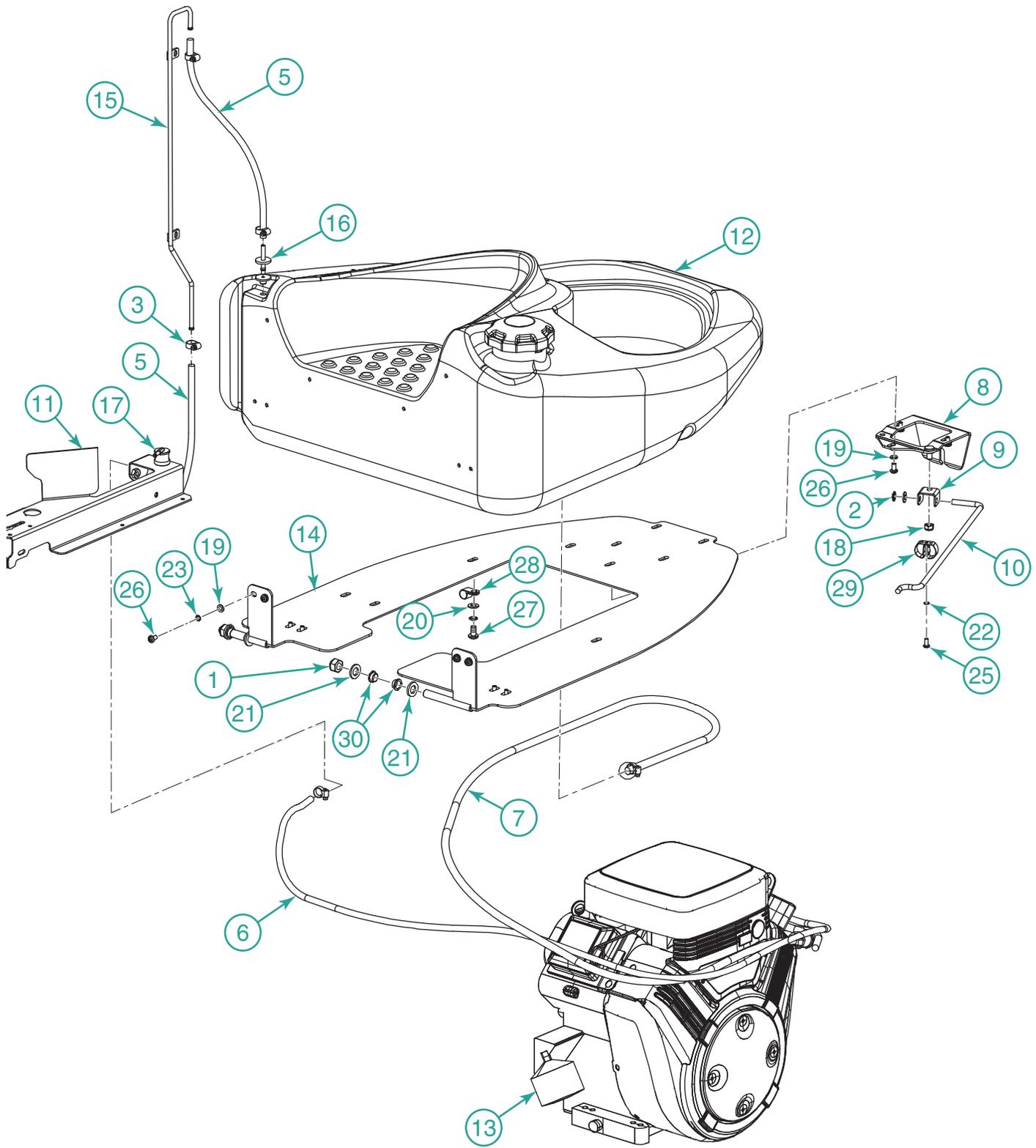
> Change from previous revision

GP400

9.1 Fuel System Gasoline - None EPA and CARB Compliant

Serial No. All

Illustration Number:



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	001399032	2	Hex Nut, 1/2-20 Nyloc	See 13.1 for breakdown parts. 5702HV 18 Vangaurd
2	001399171	1	Star Ring, 8 mm	
3	001925160	7	Hose Clamp, 6-16	
4	4168131	1	Grommet, .402 O.D x .205 I.D	
5	4199280	0.37M	Fuel Hose, 6mm	
6	4199280	1.30M	Fuel Hose, 6mm	
7	4199281	1.15M	Fuel Hose, 8mm	
8	4219180	1	Rear Tank Fixing Weldment	
9	4219200	1	Stay Tank Bracket	
10	4219220	1	Stay Tank	
11	4220480	1	Control Panel Weldment	
12	4229100	1	Assembly-Fuel Tank (Gas)	
13	690338	1	Engine, EU Stage V	
14	4244183	1	Tank Plate Weldment	
15	4245650	1	Swanneck Weldment	
16	4265550	1	Tank-Vent	
17	4312706	1	Rollover Valve	
18	450378	1	Hex Nut, M8 Nyloc	
19	450389	11	Washer, M6 x 12.5 x 1.8	
20	450390	3	Washer, M8 x 17 x 1.8	
21	450392	4	Washer, M12 x 24 x 2.7	
22	450409	1	Lock Washer, M5 x 8.55 x 1.5	
23	450410	11	Lock Washer, M6 x 9.6 x 1.5	
24	450411	1	Lock Washer-M8 x 12.75 x 2	
25	450526	1	Pan Head Screw, M5 - .8 x 12 mm (Grade 4.8)	
26	450539	11	Pan Head Screw, M6 - 1 x 12 mm (Grade 4.8)	
27	450551	1	Pan Head Screw, M8 x 16 (Grade 4.8)	
28	469016517	1	P-Clip	
29	838225	1	Spring Clip	
30	J366877	4	Nyliner Bearing	

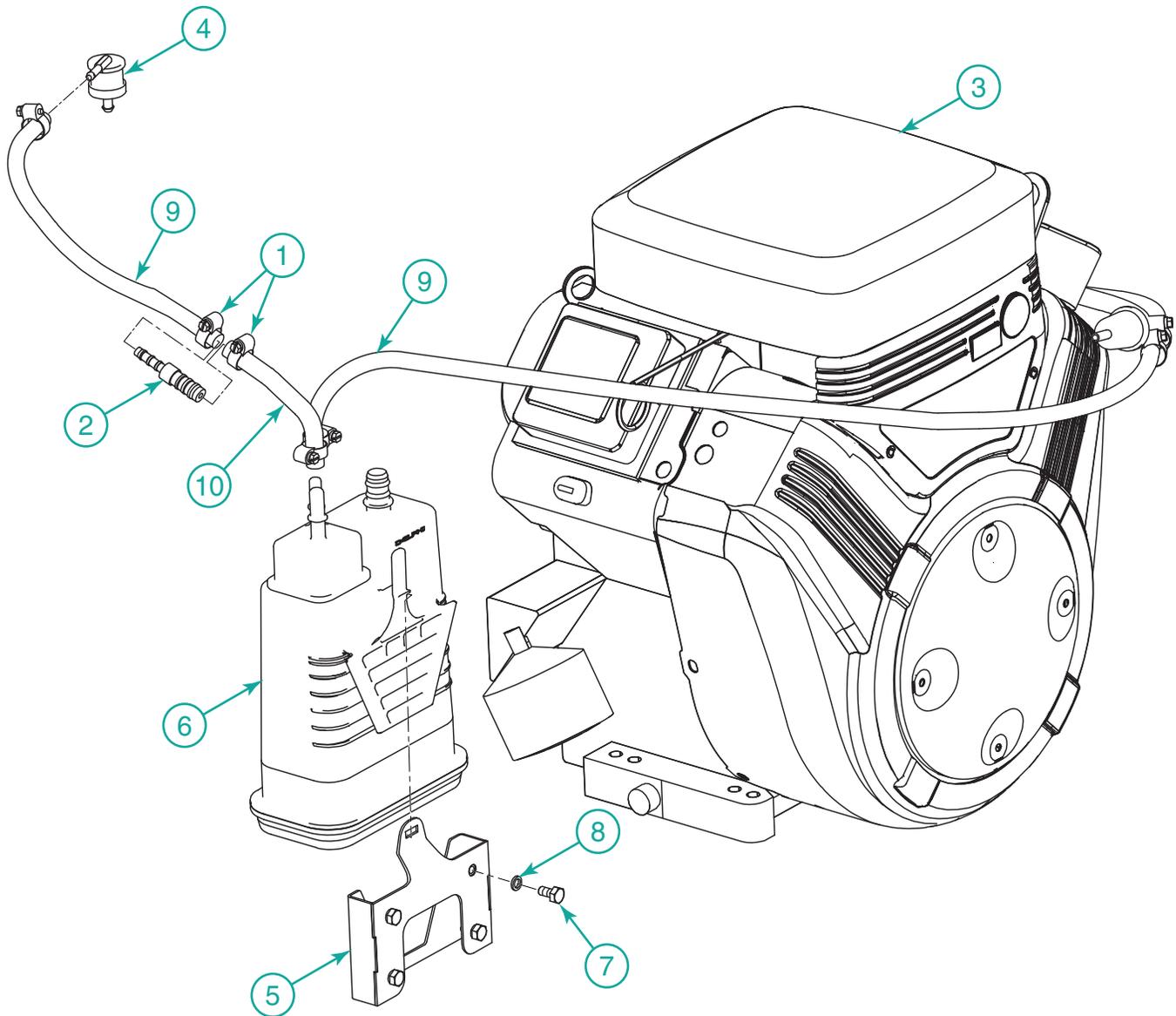
> Change from previous revision

Item	Part No.	Qty.	Description	Serial Numbers/Notes	
1	J366877	4	Nyliner Bearing	(Not Illustrated)	
2	1399032	2	Hex Nut, 1/2 - 20 Nyloc		
3	452000237	6	Washer, 1/4 x 3/4 x .064		
4	450410	6	Lock washer, M6 x 9.6 x 1.5		
5	450541	6	Pan Head Screw, M6 - 1.0 x 16 mm (Grade 4.8)		
6	450392	4	Washer, M12 x 24 x 2.7		
7	4291331	1	Tank Plate Assembly		
8	450411	8	Lock washer, M8 x 12.75 x 2		
9	4312606	1	Fuel Filler Tube		
10	4166085	1	Fuel Line (8mm)		
11	4283232	5	Jubilee Hose Clamp, 9.5 - 12 mm		
12	4117825	2	Heat Insulation		
13	4220480	1	Control Panel, Welded Assembly		
14	4312706	1	Roll - Over Valve		
15	4150180	1	Fuel Hose, 1/4		
16	4150179	1	Fuel Hose, 5/16		
17	4247950	1	Clip - Fuel Hose		
18	469016509	5	P - Clip		
19	9072070	10	Washer, M8 x 22 x 3		
20	450190	10	Hex Screw, M8 - 1.25 x 16		
21	4282951	1	Tank, fuel EPA / Carb Comp (Petrol)		See 14.1 for breakdowns.
22	1599264	2	Washer		
23	4258312	2	AV Washer, 8.7 x 13.5 x 2.5		
24	680001941	1	Cable Tie, 300 x 4.8		
25	450543	2	Pan Head Screw, M6 - 1.0 x 25 mm (Grade 4.8)		

> Change from previous revision

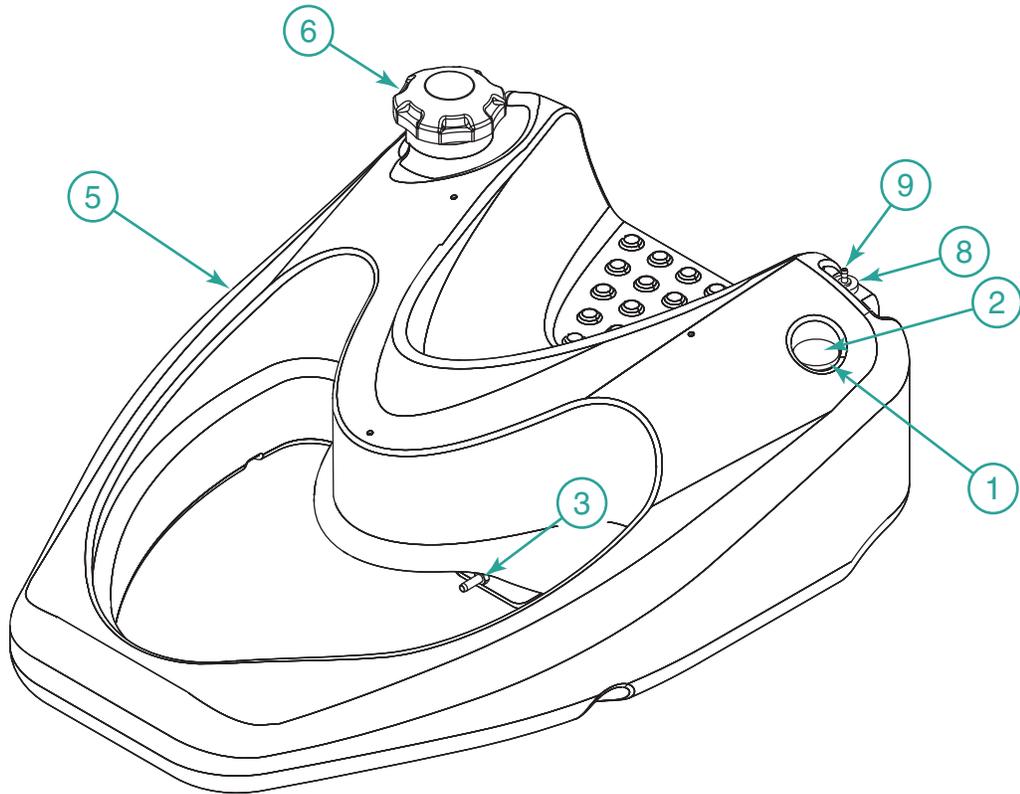
11.1 Carbon Canister

Illustration Number: 4222443-A

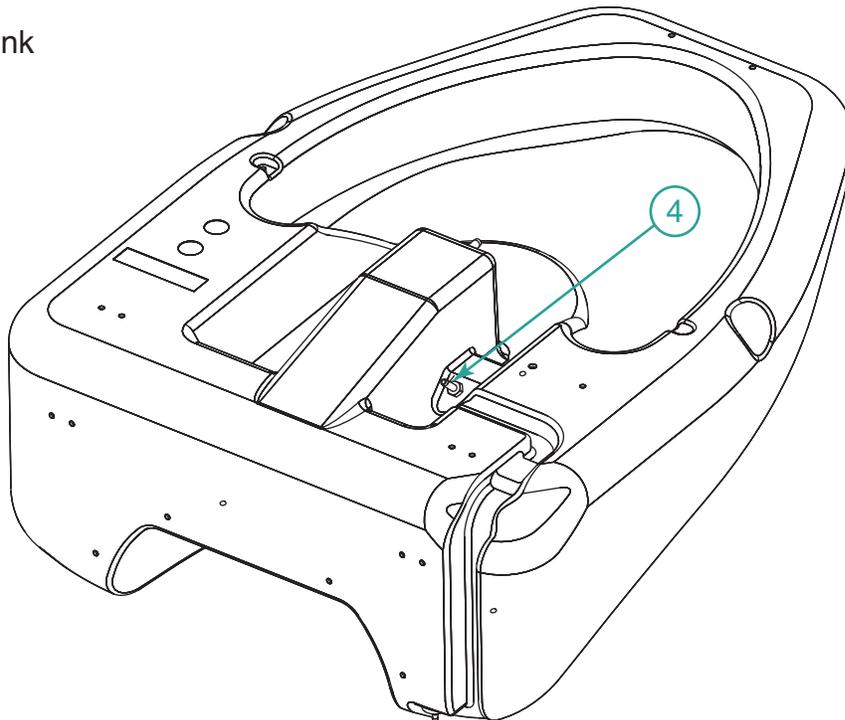


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4283232	7	Jubilee Hose Clamp, 11-16 mm	5702HV 18 Vangaurd
2	4246912	1	Fuel Line Adapter	
3	690338	1	Engine, EU Stage V	
4	4246810	1	Rollover Valve	
5	4247032	1	Carbon Canister Weldment	
6	4246910	1	Carbon Canister Delphi	
7	450168	4	Hex Screw, M6-1.0 x 12 mm	
8	450410	4	Lock Washer, M6 x 9.6 x 1.5 mm	
9	4150180	2	Fuel Line, 6 mm	
10	4246911	1	Fuel Line, 10 mm	

> Change from previous revision



Underside view of Tank

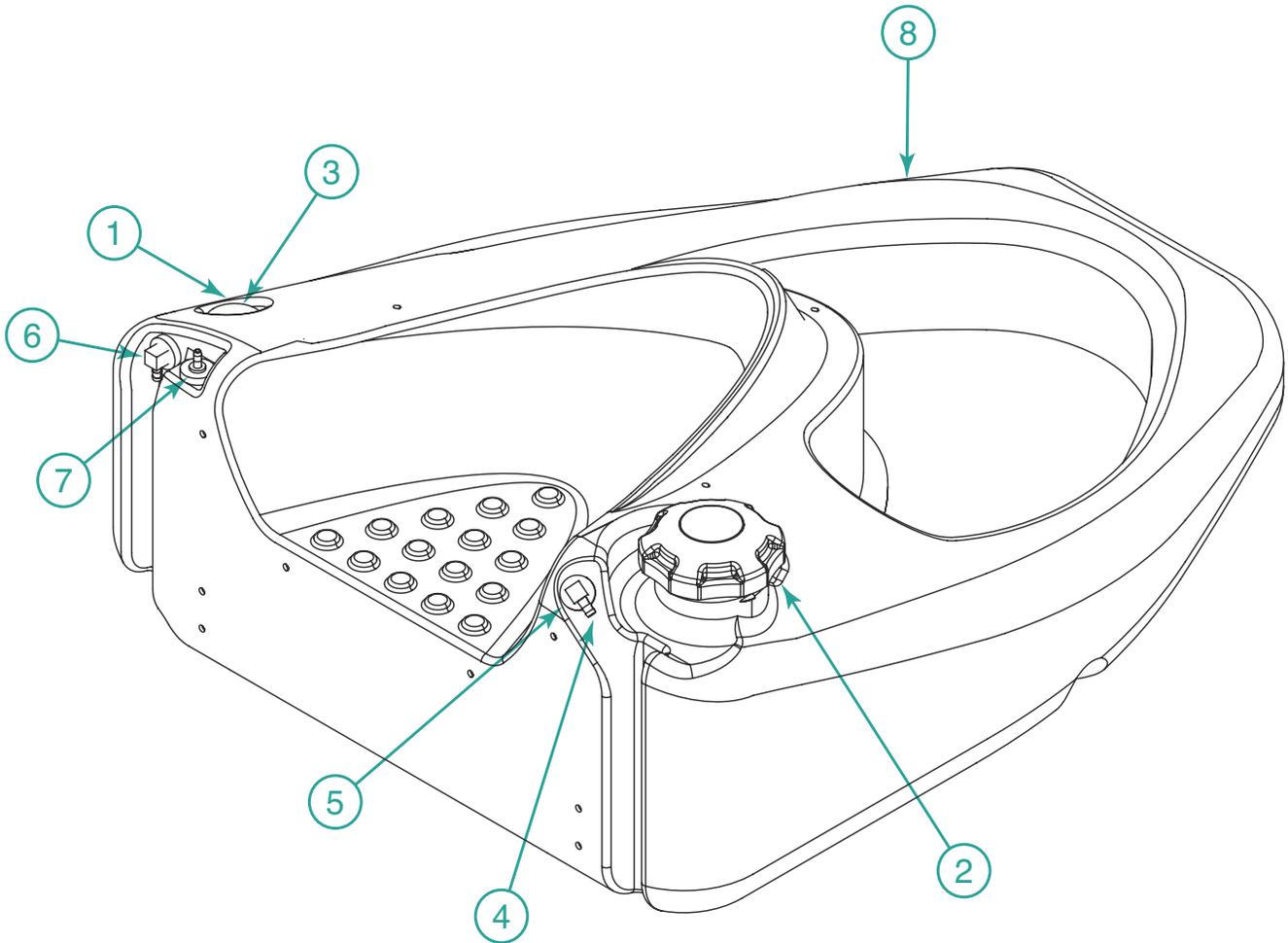


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	5000869	1	Gauge Grommet	
2	4248170	1	Fuel Level Gauge	
3	4219900	1	Fitting, 1/4" NPTF x 5/16" Straight	
4	4219901	1	Fitting, 1/4" NPTF x 1/4" Straight	
5	4222224	1	Diesel Fuel Tank	Up to Serial GY4011384
6	4229120	1	Kelch Non Vented Fuel Cap	
7	4348986	1	• FKM / Viton Seal	(Not Illustrated)
8	4291015	1	Fuel Pick up Tube Grommet	
9	4291031	1	Straight Barb Hose Fitting, 1/4"	

> Change from previous revision

13.1 Fuel Tank Diesel

Illustration Number: 680973



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2218147	1	Gauge Grommet	
2	4229120	1	Kelch Non Vented Fuel Cap	
3	4248170	1	Fuel Level Gauge	
4	4291014	1	Tube Fuel Pickup	
5	4291015	1	Fuel Pick up Tube Grommet	
6	4291031	1	Straight Barb Hose Fitting, 1/4"	
7	681103	1	Barb, Fuel Return Fitting	
8	680974	1	Diesel Fuel Tank	From Serial GY4011385

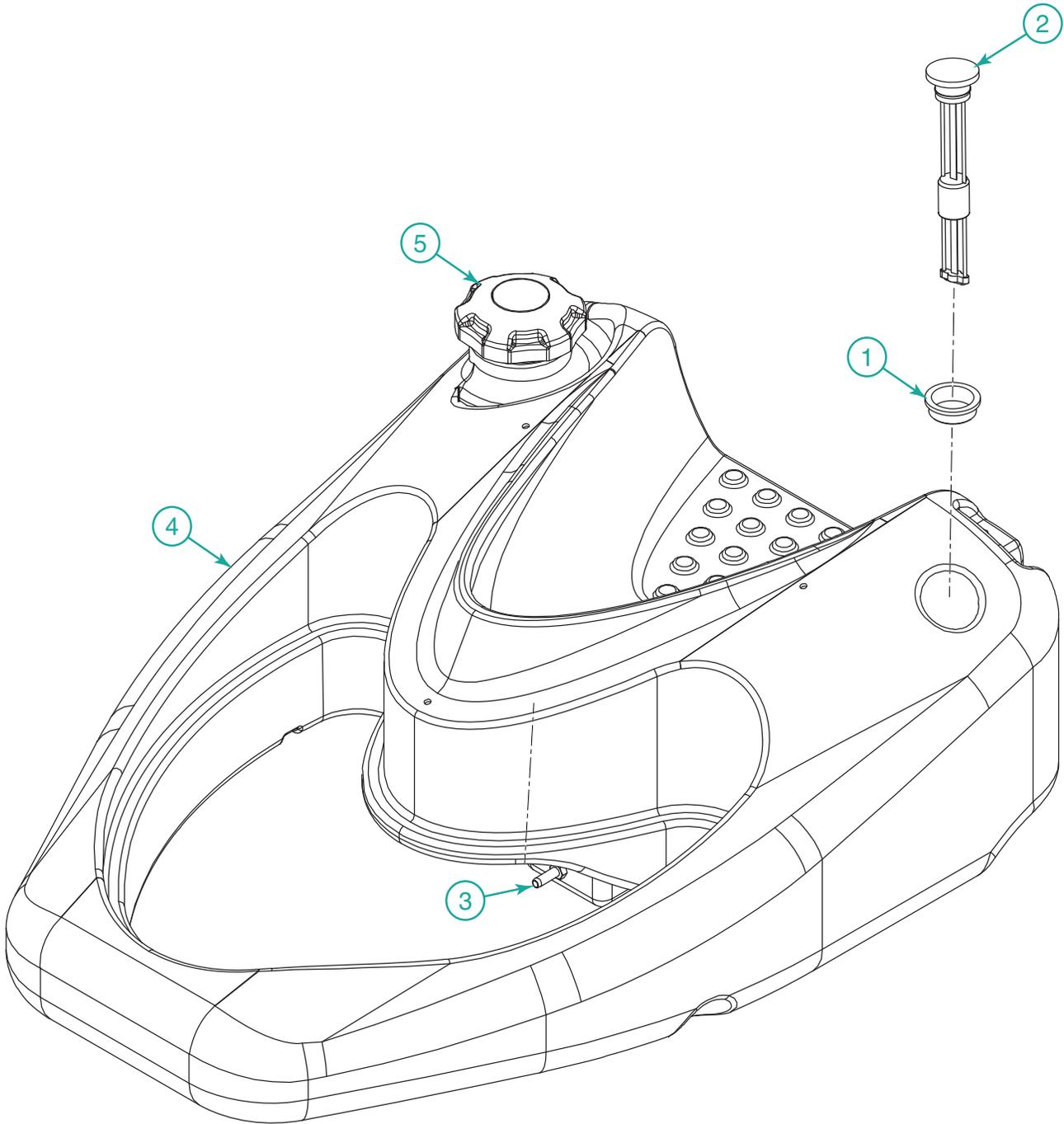
> Change from previous revision

GP400

14.1 Fuel Tank Gasoline - None EPA and Carb Compliant

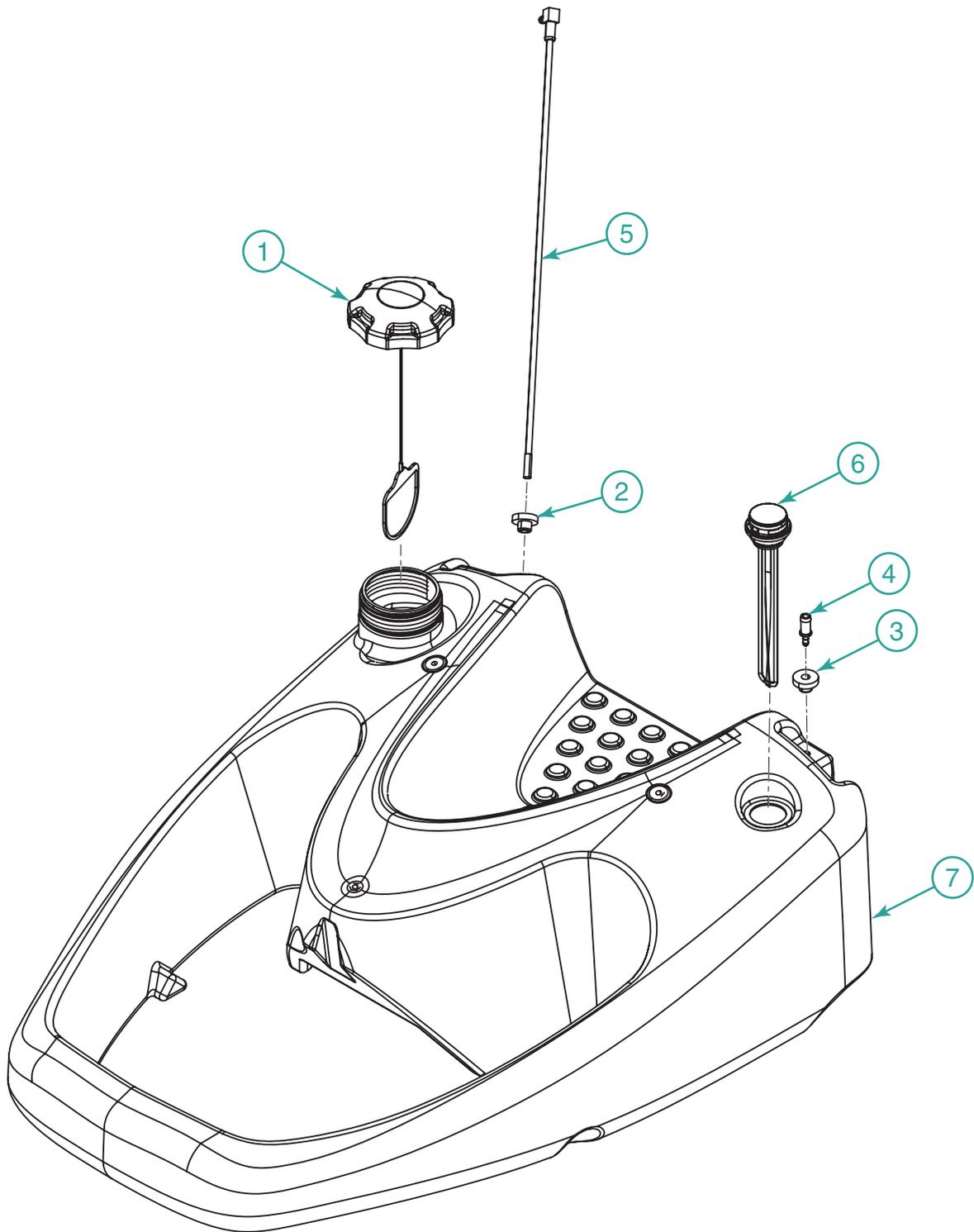
Serial No. All

Illustration Number: 4282951-B



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	5000869	1	Gauge Grommet	(Not Illustrated)
2	4248170	1	Fuel Level Gauge	
3	4219900	1	Fitting, 1/4" NPTF x 5/16" Straight	
4	4222223	1	Petrol Fuel Tank	
5	4229120	1	Kelch - Non Vented Fuel Cap	
6	4348986	1	• FKM / Viton Seal	

> Change from previous revision

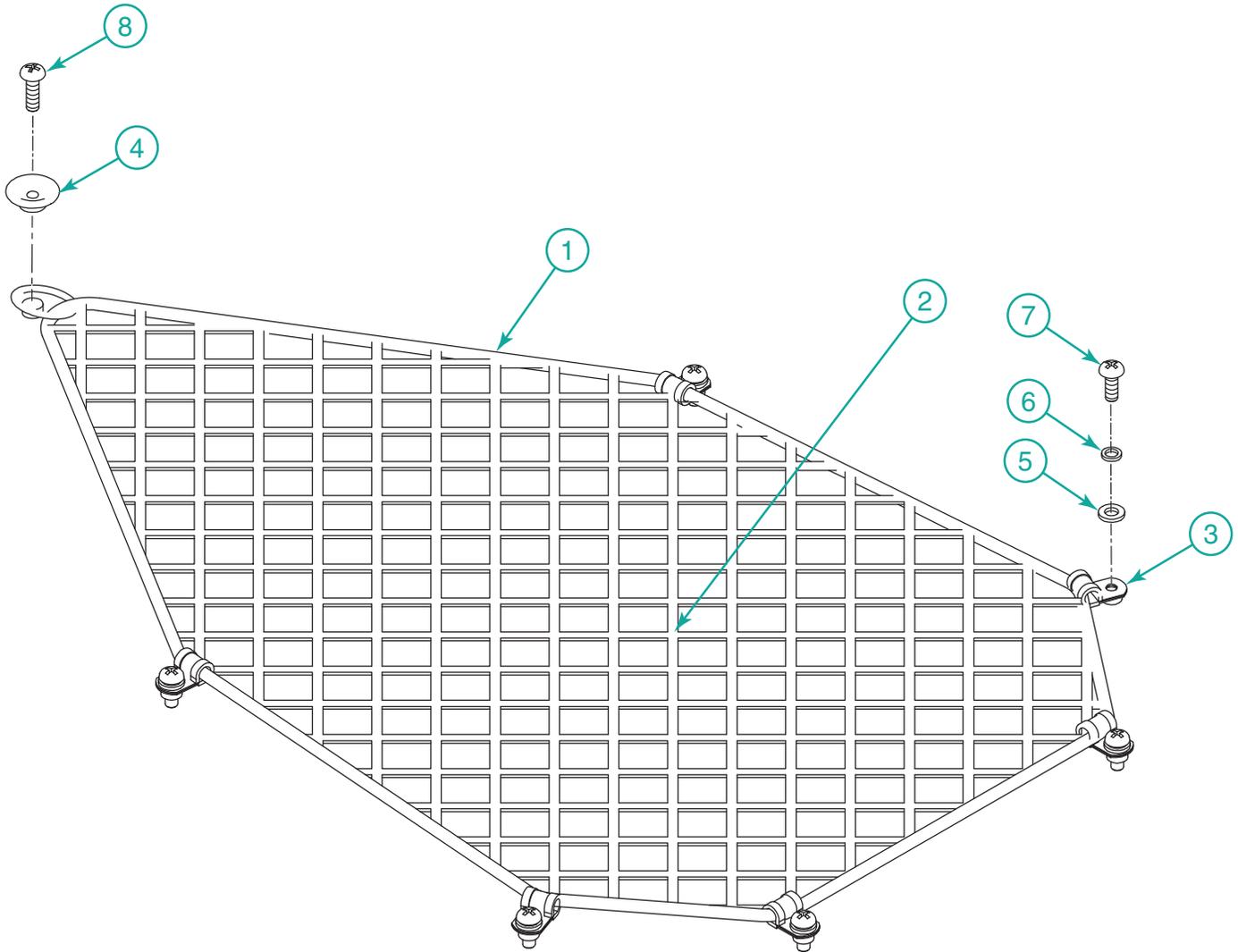


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4287174	1	Kelch Cap	(Not Illustrated)
2	4348986	1	• FKM / Viton Seal	
3	4291015	2	Pick Up Tube Grommet	
4	4291031	1	Hose Fitting, 1/4" Straight	
5	4291014	1	Fuel Pick Up Tube	
6	4291012	1	Fuel Level Gauge	
7	4282952	1	Fuel Tank	

> Change from previous revision

16.1 Cargo Net Assembly

Illustration Number: 4239247-A

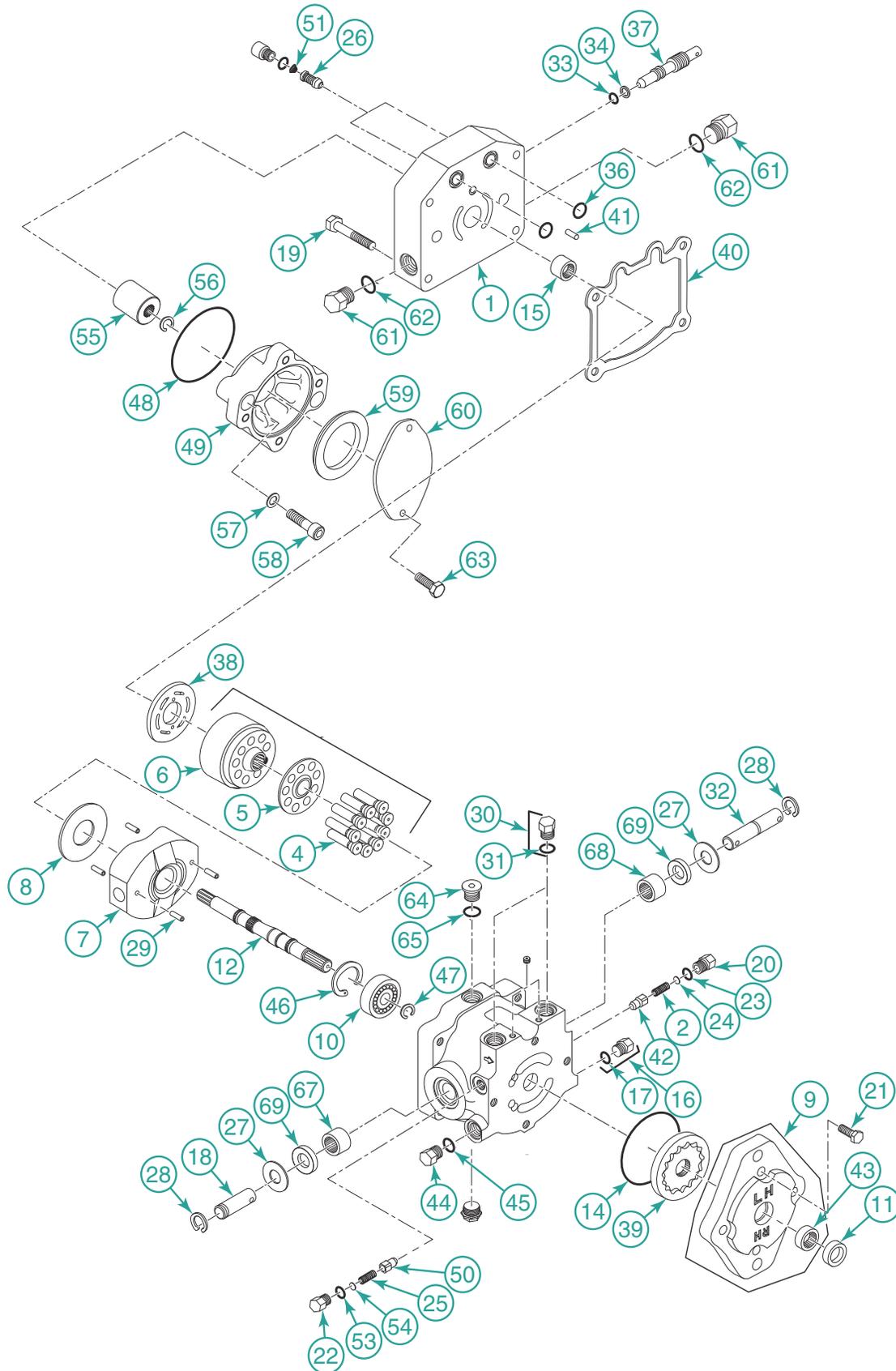


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4239247	1	Cargo Net Assembly	
2	4239246	1	• Cargo Net	Not available as a spare
3	4239248	6	• Cargo Net Clips	Not available as a spare
4	4249850	1	Cargo Net Access Retainer Clip	
5	450389	6	Washer, M6 x 12.5 x 1.8	
6	450410	6	Lock Washer, M6 x 9.6 x 1.5	
7	450541	6	Pan Head Screw, M6 -1 x 16 mm (Grade 4.8)	
8	450542	1	Pan Head Screw, M6 -1 x 20 mm (Grade 4.8)	

> Change from previous revision

17.1 Transmission Pump

Illustration Number: 894103

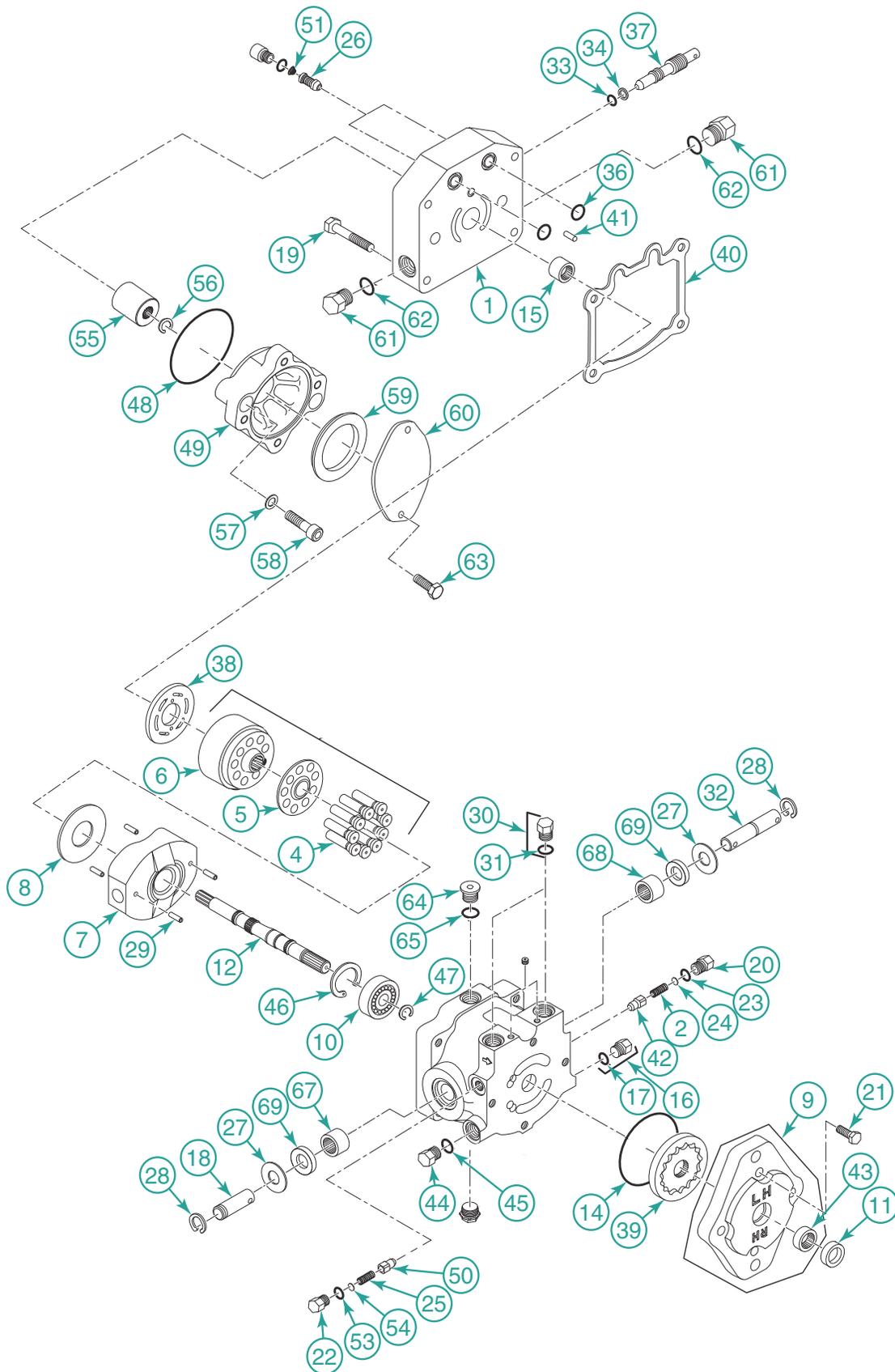


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1		3	End Cap	
2	008065438	1	Implement Relief Spring	
3	156287	1	Cylinder Block Kit	
4		9	Piston Assembly	
5		1	Slipper Retainer	
6		1	Cylinder Block	
7	008093134	1	Swash Plate	
8	333844	1	Trust Plate	
9	4331366	1	Charge Pump Housing Assembly	
10	4329888	1	Ball Bearing	
11	4312586	1	Lip Seal	
12	4282111 & 4298572	1	Shaft	
13				
14	4311670	1	O-Ring	
15	008067140	1	Roller Bearing	
16		1	Plug	
17		1	O-Ring	
18	008067950	1	Trunnion Shaft	
19		4	Screw	
20		1	Plug	
21	4331367	4	Screw	
22		1	Plug	
23		1	O-Ring	
24		1	Shim Kit	
25	008093760	1	Charge relief spring	
26		2	Check valve poppet	
27	930002679	2	Washer	
28		2	Retaining ring	
29		4	Spring coiled pin	
30	4338710	2	Plug	
31		2	O-ring	
32	008067960	1	Trunnion shaft	
33		1	O-ring	
34		1	Back up ring	
35			Pipe plug	
36			O-ring	
37			Bypass valve	
38			Valve plate	
39	4311668	1	Gerotor assembly	
40	4217640	1	Gasket	
41		1	Pin	
42	4333206	1	Charge relief cone	
43	4298771	1	Needle bearing	
44		1	Plug	

> Change from previous revision

10.1 Transmission Pump (Continued)

Illustration Number: 894103

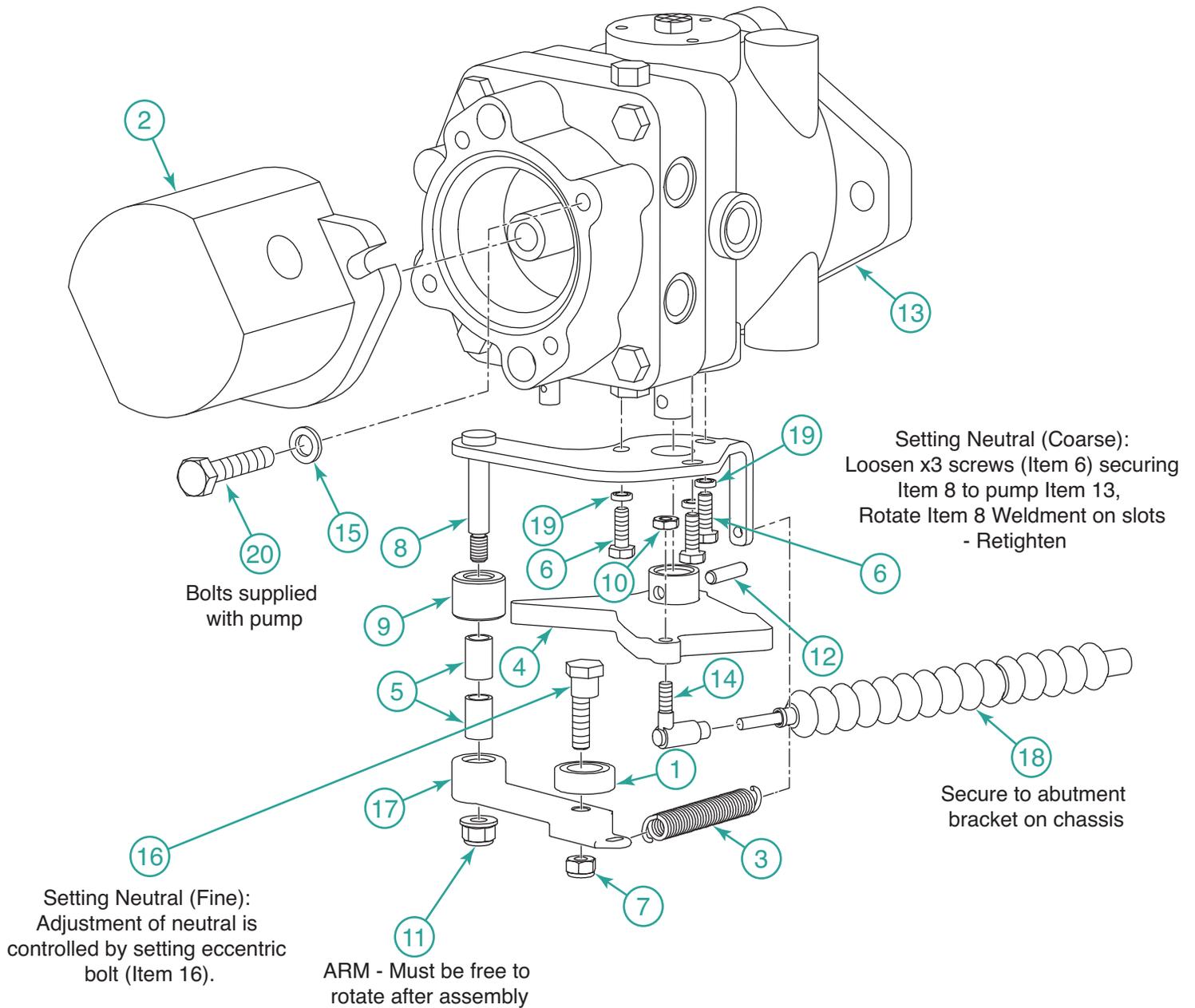


Item	Part No.	Qty.	Description	Serial Numbers/Notes
45		1	O-Ring	
46		1	Retaining ring	
47		1	Retaining ring	
48	4230200	2	O-Ring	
49	4343646	1	Flange adapter	
50	4333206	1	Poppet	
51		2	Spring	
52		2	Plug assembly	
53		1	O-ring	
54		1	Shim kit	
55	5002066	1	Coupling	
56	5002067	1	Retaining ring	
57		2	Washer	
58		2	Screw	
59	4134681	1	A pad seal	
60		1	Cover Plate	
61	4338710	2	Plug	
62		2	O-Ring	
63	008008350	2	Screw	
64		1	Plug	
65		1	O-Ring	
66		1	Housing assembly	
67		1	Needle bearing	
68		1	Needle bearing	
69	4311669	2	Lip seal	

> Change from previous revision

18.1 Transmission Pump Control

Illustration Number: 4146094

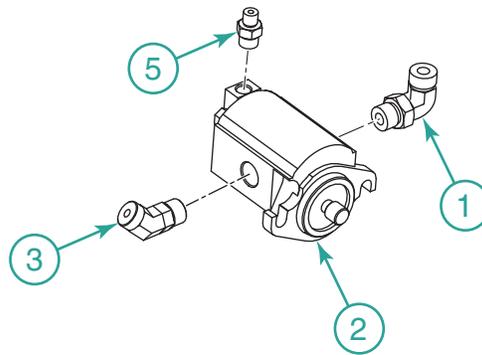
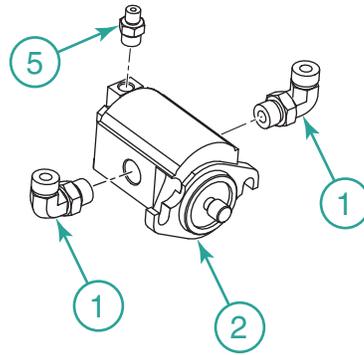
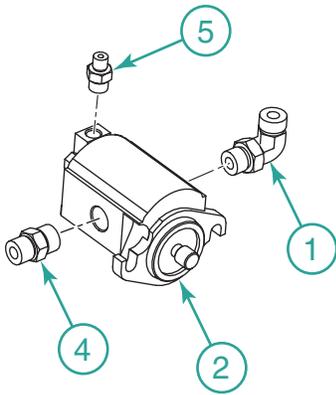


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	344545	1	Ball Bearing, 1/2" x 1-1/8" x 3/8"	
2	2701711	1	Hydraulic Pump	
	2702707	1	• Service Kit	
3	3000693	1	Spring Extension	
4	4143627	1	Wldmt - Pump Neutral/Speed selector	
5	361108	2	Bushing	
6	408851	3	Hex Screw, 1/4 x 3/4" (Grade S)	
7	001393222	1	Hex Nut, 5/16-18 Staytite	
8	4143669	1	Weldment - Pump Neutral	
9	4144586	1	Flange Bushing	
10	001399082	1	Hex Nut, 1/4-28	
11	452436	1	Hex Nut, M8	
12	461387	1	Roll Pin, 1/4" x 1"	
13	894103	1	Hydraulic Pump Assembly	See "Transmission Pump" on page 35.
14	4159640	1	End Rod	
15	452200134	2	Lock Washer, 3/8" x .063 x .094	
16	3009733	1	Eccentric Bolt	
17	3009734	1	Roller Arm	
18	4146697	1	Control Cable	
19	4313086	3	AV Washer, 6.5 x 10.8 x 1.8	
20	008008350	2	Screw	

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19.1 Cutting Motors

Illustration Number: 4221480-1



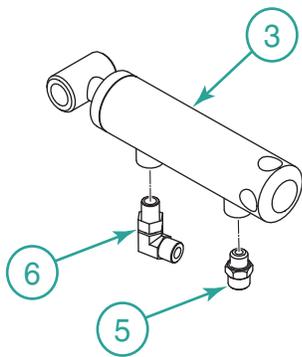
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	158007-02	4	Fitting, 13/16 ORS x 3/4 SAE	
	158061-02	4	• O-Ring ORFS	(Not Illustrated)
	002218081	4	• O-Ring SAE	(Not Illustrated)
2	2701710	3	Hydraulic Reel Motor	
	2702706	1	• Service Kit	(Not Illustrated)
	4310053	4	• Hex Screw, Rear Plate	(Not Illustrated)
3	158059-03	1	Fitting, 13/16 ORFS x 3/4 SAE	
	158061-02	1	• O-Ring ORFS	(Not Illustrated)
	002218081	1	• O-Ring SAE	(Not Illustrated)
4	158006-05	1	Fitting, 13/16 ORFS x 3/4 SAE	
	158061-02	1	• O-Ring ORFS	(Not Illustrated)
	002218081	1	• O-Ring SAE	(Not Illustrated)
5	002515000	3	Fitting, 9/16 ORS x 7/16 SAE	
	158061-18	3	• O-Ring ORFS	(Not Illustrated)
	002218049	3	• O-Ring SAE	(Not Illustrated)

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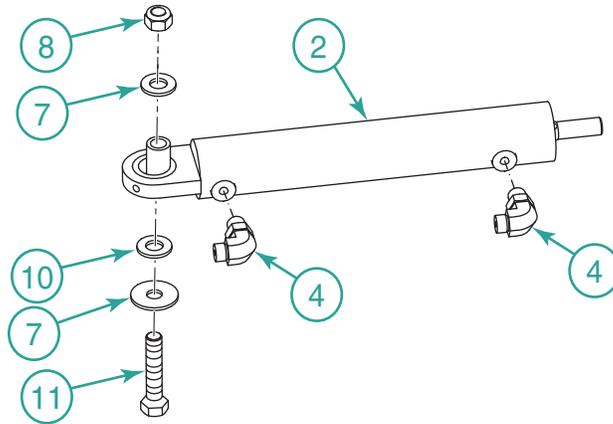
20.1 Lift Steer Rams

Illustration Number: 4221480-2

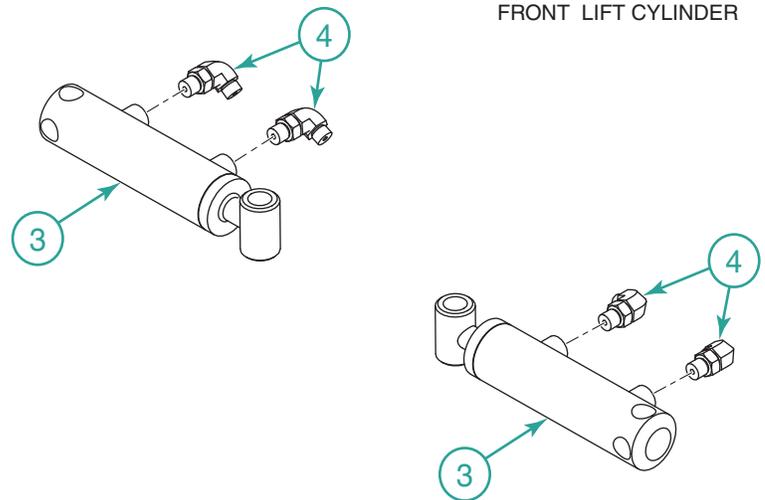
REAR LIFT CYLINDER



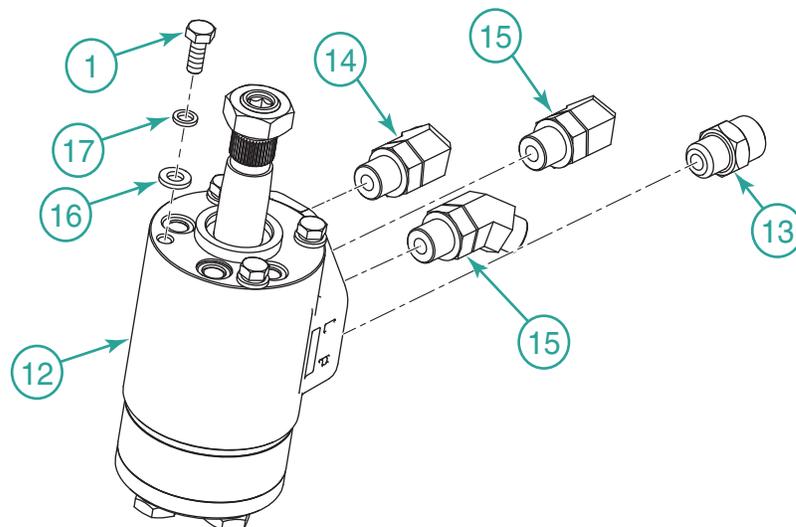
STEERING RAM



LEFT AND RIGHT FRONT LIFT CYLINDER



STEER VALVE

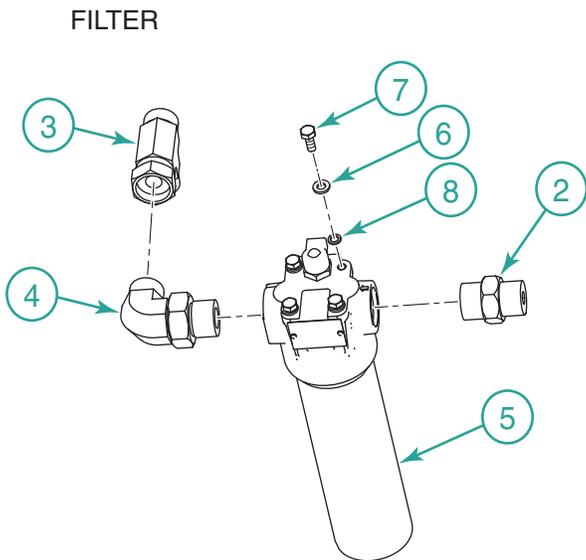


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	450170	4	Hex Screw, M6 x 16	
2	4244283	1	Steering Cylinder	
	4288991	1	• Seal Kit	
3	4183641	3	Hydraulic Ram	
	4288991	1	• Seal Kit	
4	002525010	6	Fitting, 9/16 ORS x 9/16 SAE	
	002218065	6	• O-Ring SAE	(Not Illustrated)
	158061-18	6	• O-Ring ORFS	(Not Illustrated)
5	158006-01	1	Fitting, 11/16 ORS x 9/16 SAE	
	002218065	1	• O-Ring SAE	(Not Illustrated)
	158061-01	1	• O-Ring ORFS	(Not Illustrated)
6	158007-01	1	Fitting, 11/16 ORS x 9/16 SAE	
	002218065	1	• O-Ring SAE	(Not Illustrated)
	158061-01	1	• O-Ring ORFS	(Not Illustrated)
7	452101285	2	Washer, 1/2 x 1-1/8 x 0.104	
8	450090389	1	Hex Nut, 1/2-20 Nyloc (Thin 'T' Type)	
9	831877	1	Bushing, .51" x 0.748500 x 1.438"	
10	800800	1	Washer, 1/2 x 1.1/2 x 2.5mm	
11	451030667	1	Hex Bolt, 1/2-20 x 2-1/2	
12	4239255	1	Steering Unit	
	4195580	1	• Seal Kit	
13	158006-01	1	Fitting, 11/16 ORS x 9/16 SAE	
	002218065	1	• O-Ring SAE	(Not Illustrated)
	158061-01	1	• O-Ring ORFS	(Not Illustrated)
14	158059-04	1	Fitting, 11/16 ORFS x 9/16 SAE	
	002218065	1	• O-Ring SAE	(Not Illustrated)
	158061-01	1	• O-Ring ORFS	(Not Illustrated)
15	839846	2	Fitting, 9/16 ORFS x 9/16 SAE	
	002218065	6	• O-Ring SAE	(Not Illustrated)
	158061-18	6	• O-Ring ORFS	(Not Illustrated)
16	450389	4	Washer, M6 x 9.6 x 1.5	
17	450410	4	Hex Screw, M6 x 16	

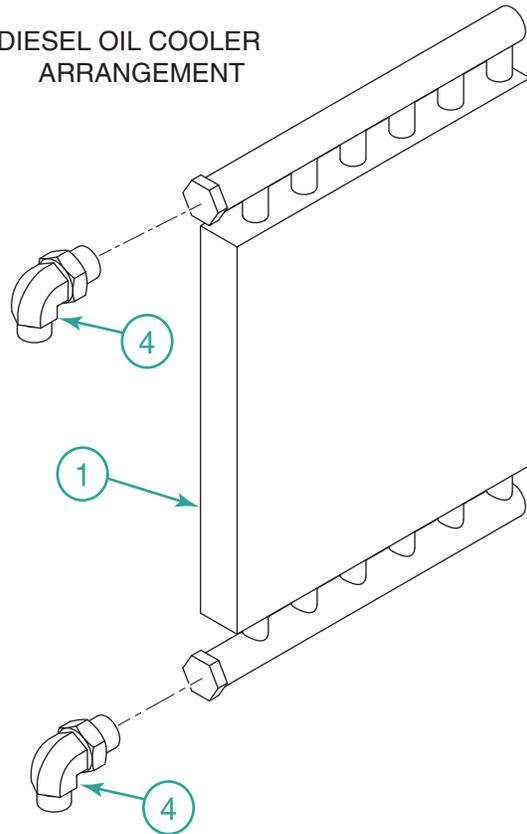
> Change from previous revision

21.1 Filter And Cooler

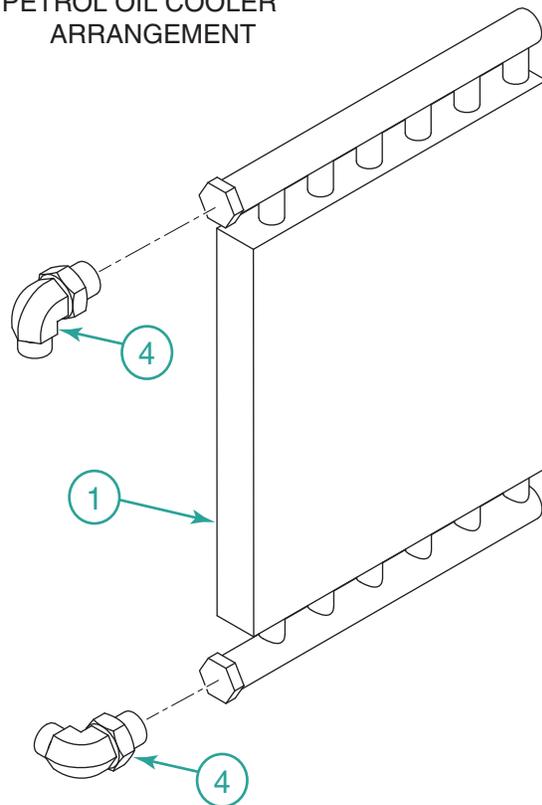
Illustration Number: 4221480-3



DIESEL OIL COOLER ARRANGEMENT



PETROL OIL COOLER ARRANGEMENT



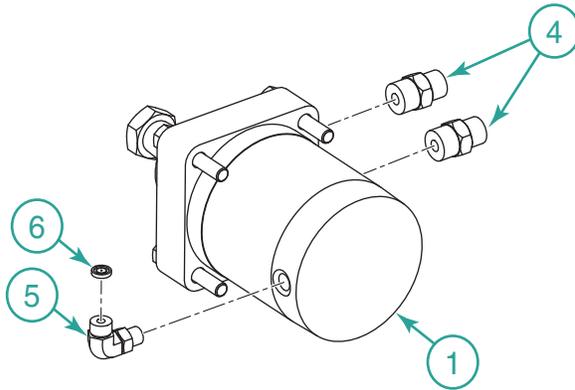
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	842916	1	Oil Cooler	
2	158006-11	1	Fitting, 1-1/16 SAE	
	002218120	1	• O-Ring SAE	(Not Illustrated)
	158061-08	1	• O-Ring ORFS	(Not Illustrated)
3	158010-02	1	Fitting, M/F/M 1 ORS	
	158061-08	1	• O-Ring ORFS	(Not Illustrated)
4	158007-06	3	Fitting, 90 ORS x 1-1/16 SAE	
	002218120	3	• O-Ring SAE	(Not Illustrated)
	158061-08	3	• O-Ring ORFS	(Not Illustrated)
5	4252570	1	Hydraulic Filter, 7 Bar	
	4199061	1	• Element 10 micron Absolute	
	4270770	1	• Pressure Switch	
	4270771	1	• Plastic Cap	
6	450389	4	Washer, M6 x 12.5 x 1.8	
7	450170	4	Hex Screw, M6 x 16	
8	450410	4	Lock Washer, M6 x 9.6 x 1.5	

> Change from previous revision

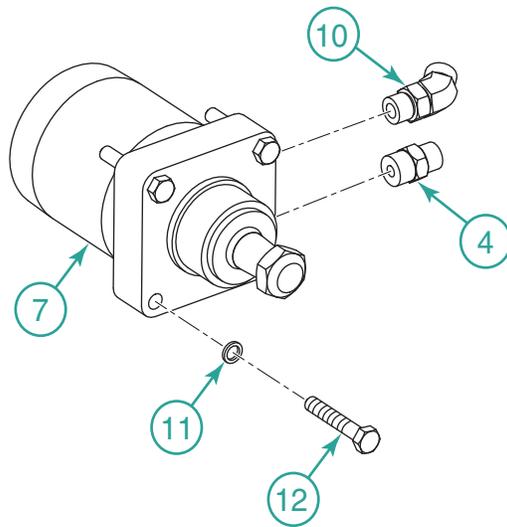
22.1 Front Motors

Illustration Number: 4221480-4

FRONT RH WHEEL MOTOR



FRONT LH WHEEL MOTOR

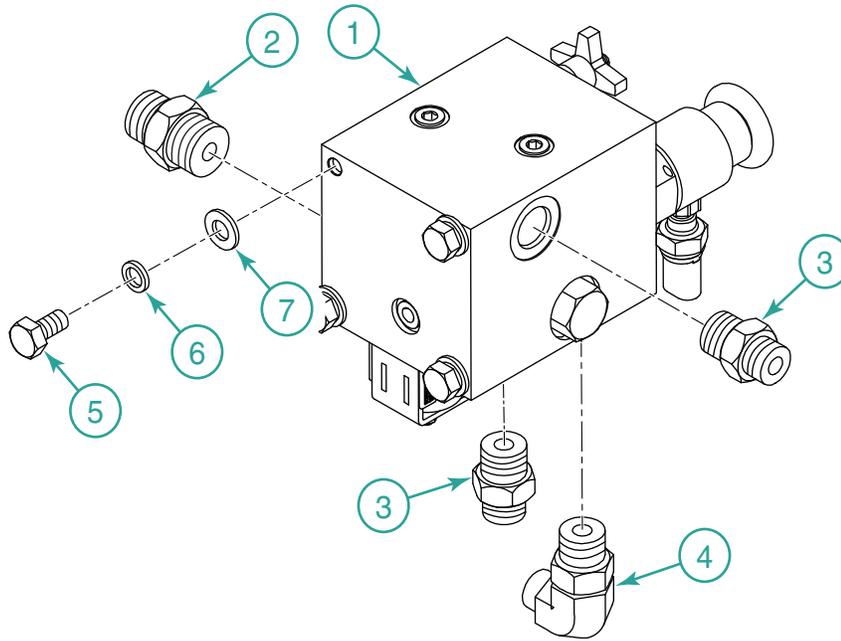


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4115024	1	Front Right Wheel Motor	
	891910	1	• Service Kit	
2	800777	1	• Key	(Not Illustrated)
3	800778	1	• Nut	(Not Illustrated)
4	158006-07	3	Fitting, 7/8-14	
		1	• O-ring (per fitting)	(Not Illustrated)
5	158007-01	1	Fitting, - 90 ORS/ORB	
	002218065	1	• O-ring (per fitting)	(Not Illustrated)
6	69068-01	1	Orifice Disk, 0.052"	
		1	• O-ring (per fitting)	(Not Illustrated)
7	892381	1	Front Left Wheel Motor	
	891910	1	• Service Kit	
8	800777	1	• Key	(Not Illustrated)
9	800778	1	• Nut	(Not Illustrated)
10	002535010	1	Fitting, 45 M/M ORS x 7/8 SAE	
		1	• O-ring (per fitting)	(Not Illustrated)
11	450413	8	Lock Washer, M12 x 17.9 x 2.5	
12	450054	8	Hex Bolt, M12 x 70	

> Change from previous revision

23.1 Backlap Valve

Illustration Number: 4221480-5



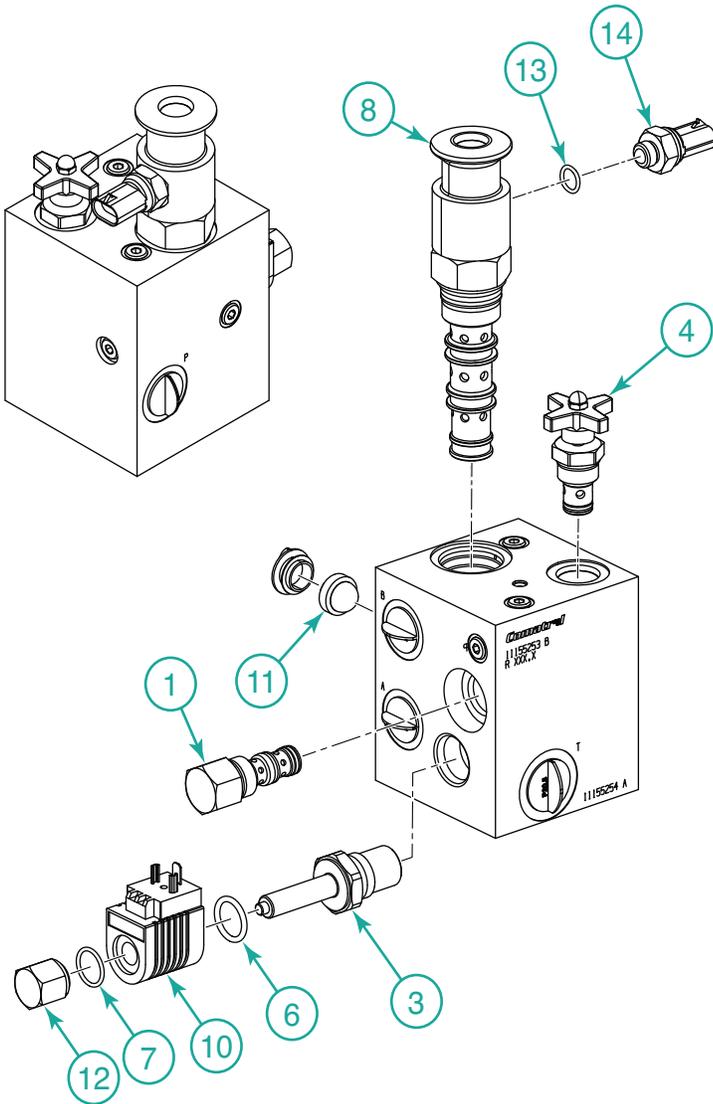
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4221020	1	Backlap Valve (Danfoss)	See page 51 for breakdowns.
	4337986	1	Backlap Valve (Comatrol)	See page 51 for breakdowns.
2	158006-11	1	Fitting, 1 ORS x 1-1/16 SAE	
3	158061-08	1	• O-ring ORFS	(Not Illustrated)
4	002218120	1	• O-Ring SAE	(Not Illustrated)
5	158006-06	2	Fitting, 13/16 ORS x 7/8 SAE	
6	158061-02	2	• O-ring ORFS	(Not Illustrated)
7	002218104	2	• O-Ring SAE	(Not Illustrated)
8	158007-03	1	Fitting, 90 M/M 13/16 ORS x 7/8 SAE	
9	158061-02	1	• O-ring ORFS	(Not Illustrated)
10	002218104	1	• O-Ring SAE	(Not Illustrated)
11	450213	4	Hex Screw, M10-1.5 x 20 mm	
12	450412	4	Lock Washer, M10 x 15.9 x 2.5	
13	450391	4	Washer, M10 x 21 x 2.2	

> Change from previous revision

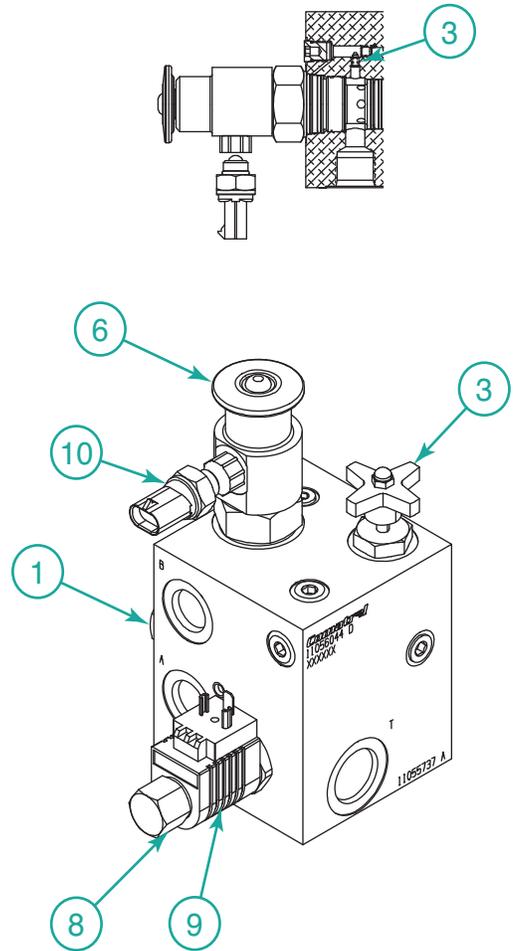
24.1 Backlap Valve Breakdown

Illustration Number: 4221480-5

P/N 4337986



P/N 4221020

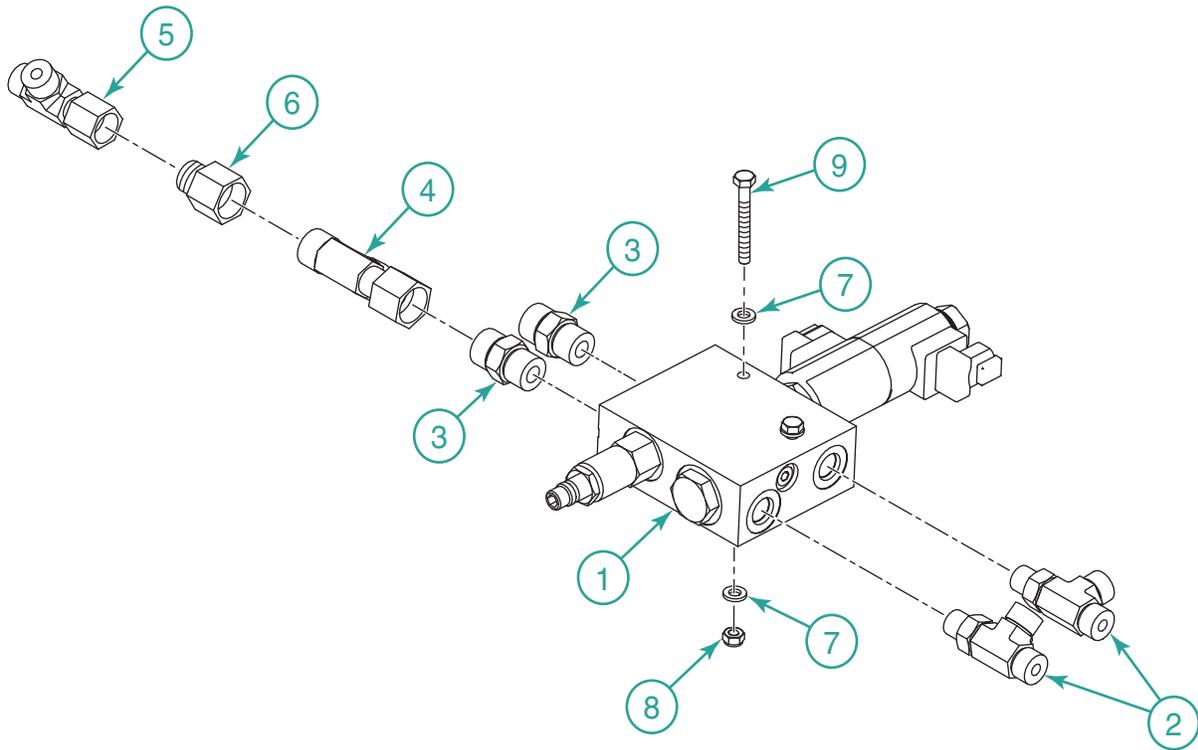


Item	Part No.	Qty.	Description	Serial Numbers/Notes
	4221020	1	Backlap Valve (Danfoss)	(To S/N GY400736 GZ000398 6270610903)
1	4250130	1	• Cartridge Valve	Torque 41 - 47 Nm
2	4299713	AR	• • Seal kit	(Not Illustrated)
3	4238263	1	• Adjustable Flow Control Valve	Torque 41 - 47 Nm
4	4312986	AR	• • Seal kit	(Not Illustrated)
5	4238262	1	• 2 Position Pilot Valve	
6	4238264	1	• Detent Cartridge Valve	Torque 108 - 135 Nm
7	4312987	AR	• • Seal kit	(Not Illustrated)
8	4238265	1	• Solenoid Relief	
9	4294754	1	• • Coil	
10	4294760	1	• • Switch	Torque 4 - 7 Nm
	4337986	1	Backlap Valve (Comatrol)	(From S/N GY400737 GZ000399 6270610904)
1	4250130	1	• Cartridge Valve	Torque 41 - 47 Nm
2	4299713	AR	• • Seal kit	(Not Illustrated)
3	4349726	1	• Solenoid Valve	Torque 27 - 34 Nm
4	4238263	1	• Adjustable Flow Control Valve	Torque 41 - 47 Nm
5	4312986	AR	• • Seal kit	(Not Illustrated)
6	4349707	1	• O Ring	
7	4349708	1	• O Ring	
8	4238264	1	• Detent Cartridge Valve	Torque 108 - 135 Nm
9	4312987	AR	• • Seal Kit	(Not Illustrated)
10	4294754	1	• Solenoid Coil	
11	4349727	1	• Filter Screen	
12	4349728	1	• Coil Nut	Torque 7 - 8.5 Nm
13	4349709	1	• O Ring	
14	4294760	1	• Switch	Torque 4 - 7 Nm

> Change from previous revision

25.1 Cutter Lift Valve

Illustration Number: 4221480-6

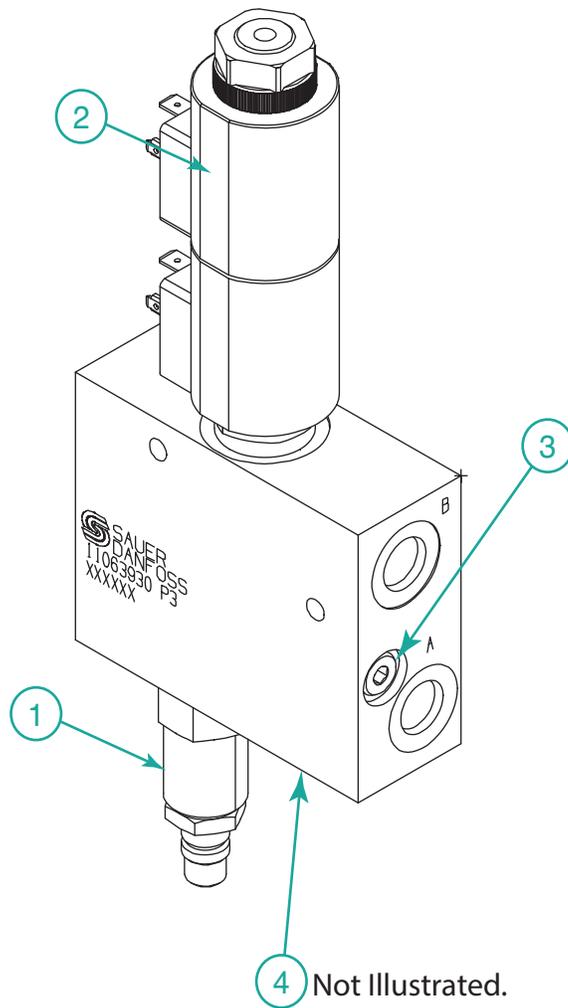


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4221040	1	Cutter / Lift Valve	See breakdown parts on page 55.
	4227564	2	• Coil	
	4238266	1	• Relief Valve	
	4238267	1	• 3 Position Solenoid Cartridge Valve	
2	158056-02	2	Fitting, ORS/O-Ring Tee	(Not Illustrated)
	158061-01	2	• O-Ring ORFS	
	002218065	2	• O-Ring SAE	
3	158006-05	2	Fitting, ORS/ORB	(Not Illustrated)
	158061-02	2	• O-Ring ORFS	
	002218081	2	• O-Ring SAE	
4	002498490	2	Fitting, 13/16 ORS	(Not Illustrated)
	158061-02	4	• O-Ring ORFS	
5	002498400	1	Fitting, 11/16 ORS Tee	(Not Illustrated)
	158061-01	2	• O-Ring ORFS	
6	002600230	1	Fitting, F/M 13/16 x 11/16 ORS	(Not Illustrated)
	158061-01	1	• O-Ring ORFS	
7	450389	4	Flat Washer, M6 x 12.5 x 1.8	
8	450377	2	Hex Nut, M6 Nyloc	
9	450005	2	Bolt, M6 x 50	

> Change from previous revision

26.1 Cutter-Lift Valve Breakdown

Illustration Number: 4221040-A

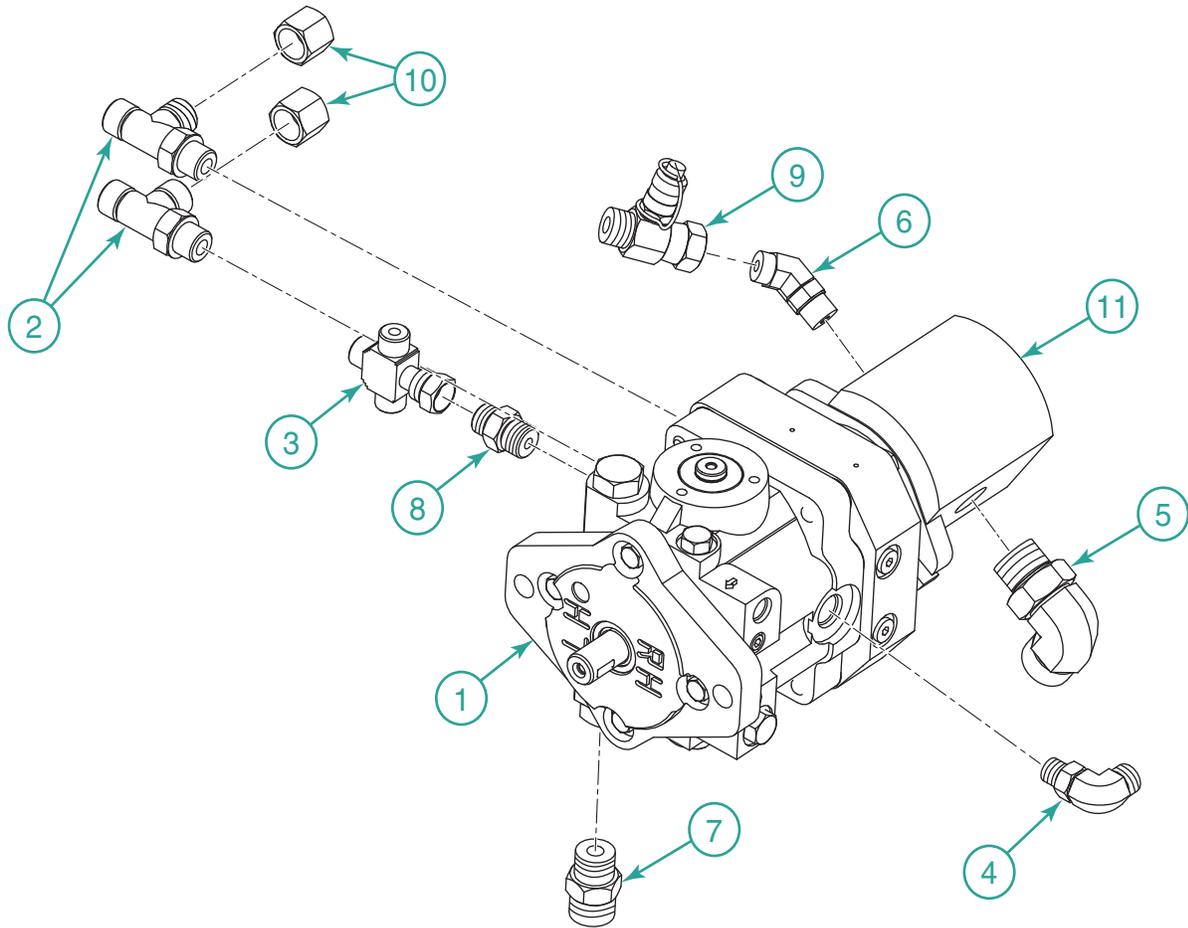


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4238266	1	Relief Valve	Location illustrated only
2	4238267	1	3 Position Solenoid Cartridge Valve	
3	4369158	1	Plug SAE4	
4	4337387	1	Check Valve	

> Change from previous revision

27.1 Pump Stack

Illustration Number: 4221480-7

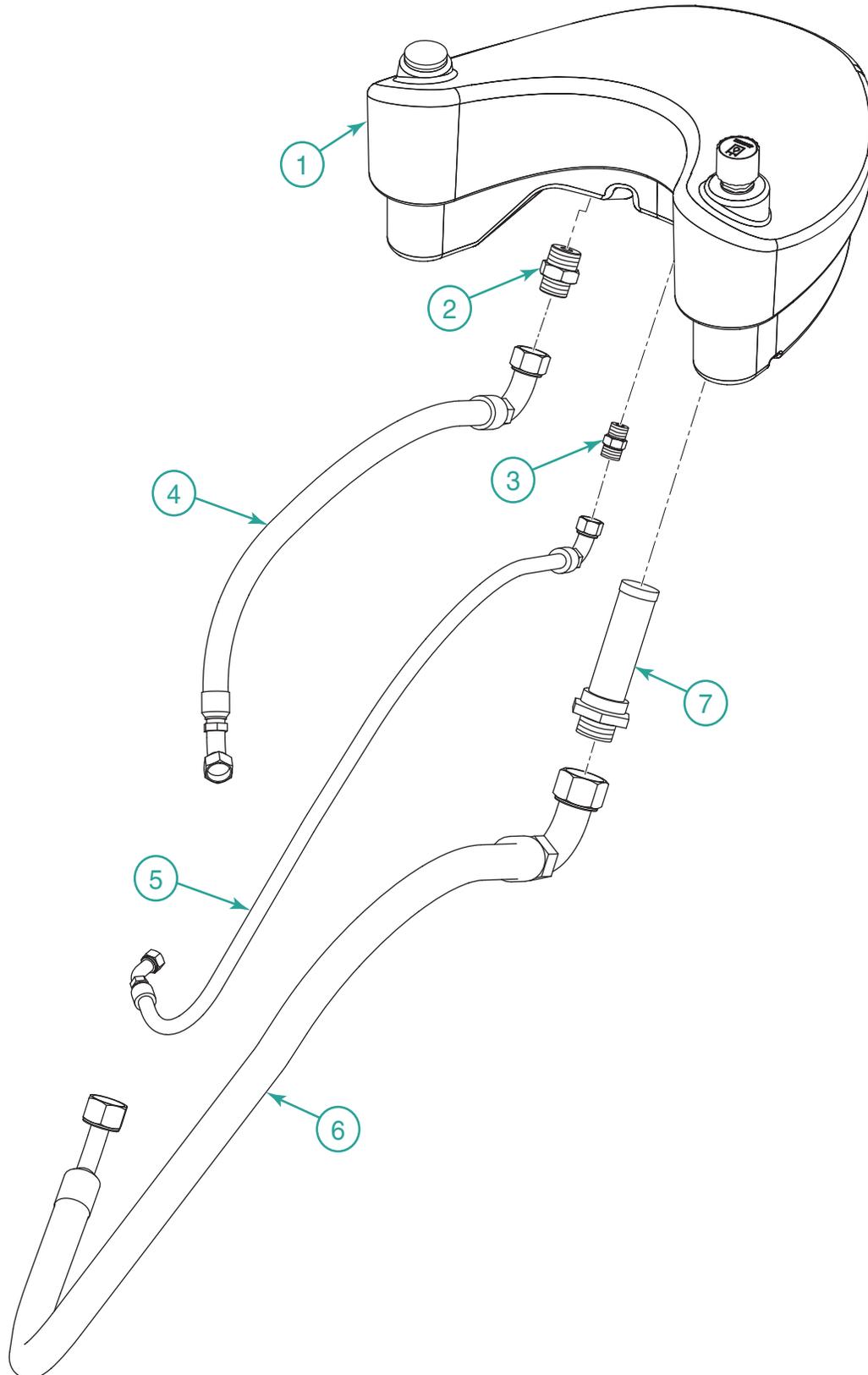


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	893104	1	Pump, Hydraulic Gear	
	2702707	1	• Service Kit	
2	158056-01	1	Fitting, ORS/O-RING TEE	
	158061-02	1	• O-Ring ORFS	(Not Illustrated)
3	002218081	1	• O-Ring SAE	(Not Illustrated)
	4186000	1	Fitting, M/M/M/F 11/16 ORS	
	158061-01	3	• O-Ring ORFS	(Not Illustrated)
4	158007-01	1	Fitting, 90 ORS/ORB	
	158061-01	1	• O-Ring ORFS	(Not Illustrated)
	002218065	1	• O-Ring SAE	(Not Illustrated)
5	839820	1	Adapter, 90 EL 1.44-12 x 1.06-12	
	158061-19	1	• O-Ring ORFS	(Not Illustrated)
	002218120	1	• O-Ring SAE	(Not Illustrated)
6	158059-01	1	Fitting, 45 ORS/ORB ADJ	
	158061-09	1	• O-Ring ORFS	(Not Illustrated)
	00218104	1	• O-Ring SAE	(Not Illustrated)
7	158006-07	1	Fitting, ORS/ORB	
	158061-08	1	• O-Ring ORFS	(Not Illustrated)
	002218104	1	• O-Ring SAE	(Not Illustrated)
8	158006-13	1	Fitting, Straight Thread	
	158061-01	1	• O-Ring ORFS	(Not Illustrated)
	002218081	1	• O-Ring SAE	(Not Illustrated)
9	4231440-01	1	Fitting -F/M 13/16 ORFS	
	158061-02	1	• O-Ring ORFS	(Not Illustrated)
	002218104	1	• O-Ring SAE	(Not Illustrated)
10	002449048	1	• Test Point-1/8 BSPP x M16	
11	002568030	2	Cap, 13/16 ORS	
12	2701711	1	Pump, Reels	

> Change from previous revision

28.1 Hydraulic Tank Connections

Illustration Number: 4221480-9

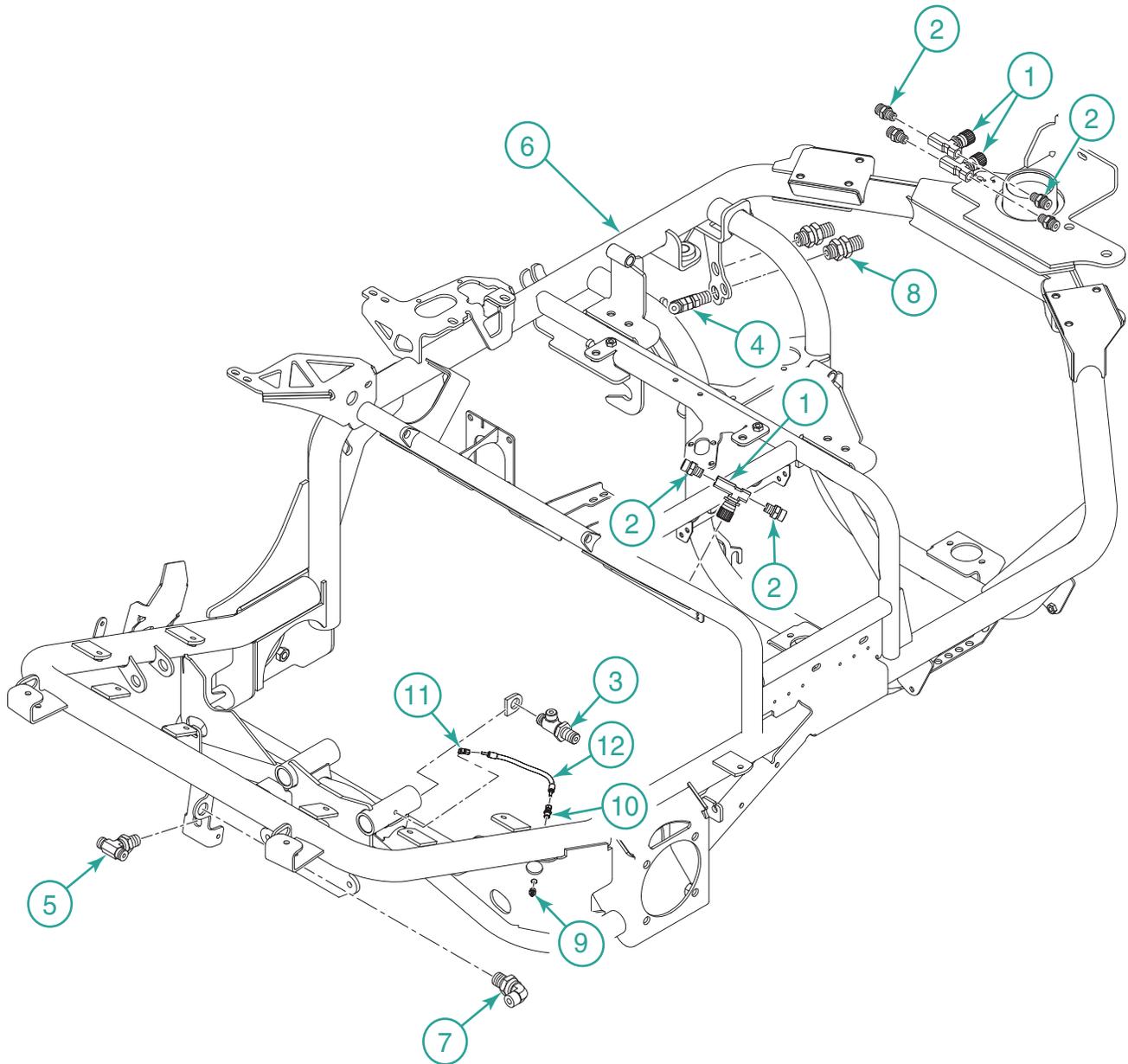


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4229000	1	Hydraulic Tank	
2	4229260	1	Fitting-1 5/16 SAE-1 3/16 ORFS	
	158061-09	1	• O-Ring ORFS	(Not Illustrated)
	002218146	1	• O-Ring SAE	(Not Illustrated)
3	158006-05	1	Fitting-13/16 ORFS x 3/4 SAE	
	158061-02	1	• O-Ring ORFS	(Not Illustrated)
	002218081	1	• O-Ring SAE	(Not Illustrated)
4	4246090	1	Hydraulic Hose	
5	4234040	1	Hydraulic Hose	
6	4231840	1	Hydraulic Hose	
7	4153597	1	Strainer, 125 Micron	

> Change from previous revision

29.1 Bulkhead Fittings

Illustration Number: 4221480-10

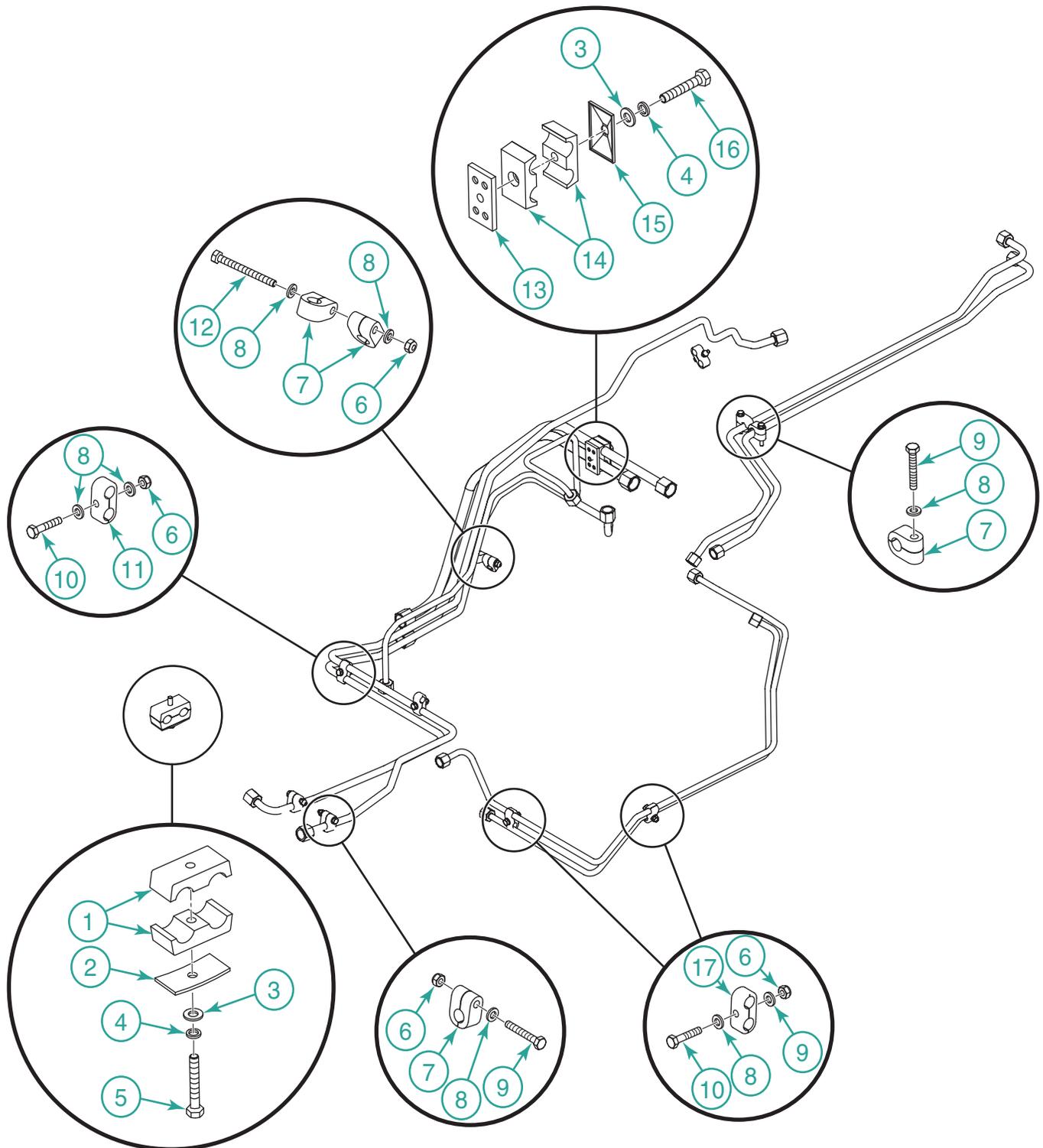


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4143766	3	Needle Valve	
2	002590690	6	Fitting, 11/16 ORS x 1/4 BSPP	
	158061-01	6	• O-Ring ORFS	(Not Illustrated)
3	002590090	1	Fitting, 11/16 ORS	
	158061-01	3	• O-Ring ORFS	(Not Illustrated)
4	843915	1	Fitting, 45 M/M 11/16 ORFS	
	158061-01	2	• O-Ring ORFS	(Not Illustrated)
5	4136396	1	Fitting, 11/16 ORS	
	158061-01	3	• O-Ring ORFS	(Not Illustrated)
6	4218440	1	Chassis Weldment	
7	4136395	1	Bulkhead, 90- 13/16 ORS	
	158061-02	2	• O-Ring ORFS	(Not Illustrated)
8	158067-04	2	Fitting, 13/16 ORS	
	158061-02	2	• O-Ring ORFS	(Not Illustrated)
9	4252930	2	Lubricator-Remote	
10	4252931	2	Bulkhead, 6mm	
11	4252932	2	Elbow, M6, 6mm	
12	689376	2	Grease Line	

> Change from previous revision

30.1 Clamps

Illustration Number: 4221480-11

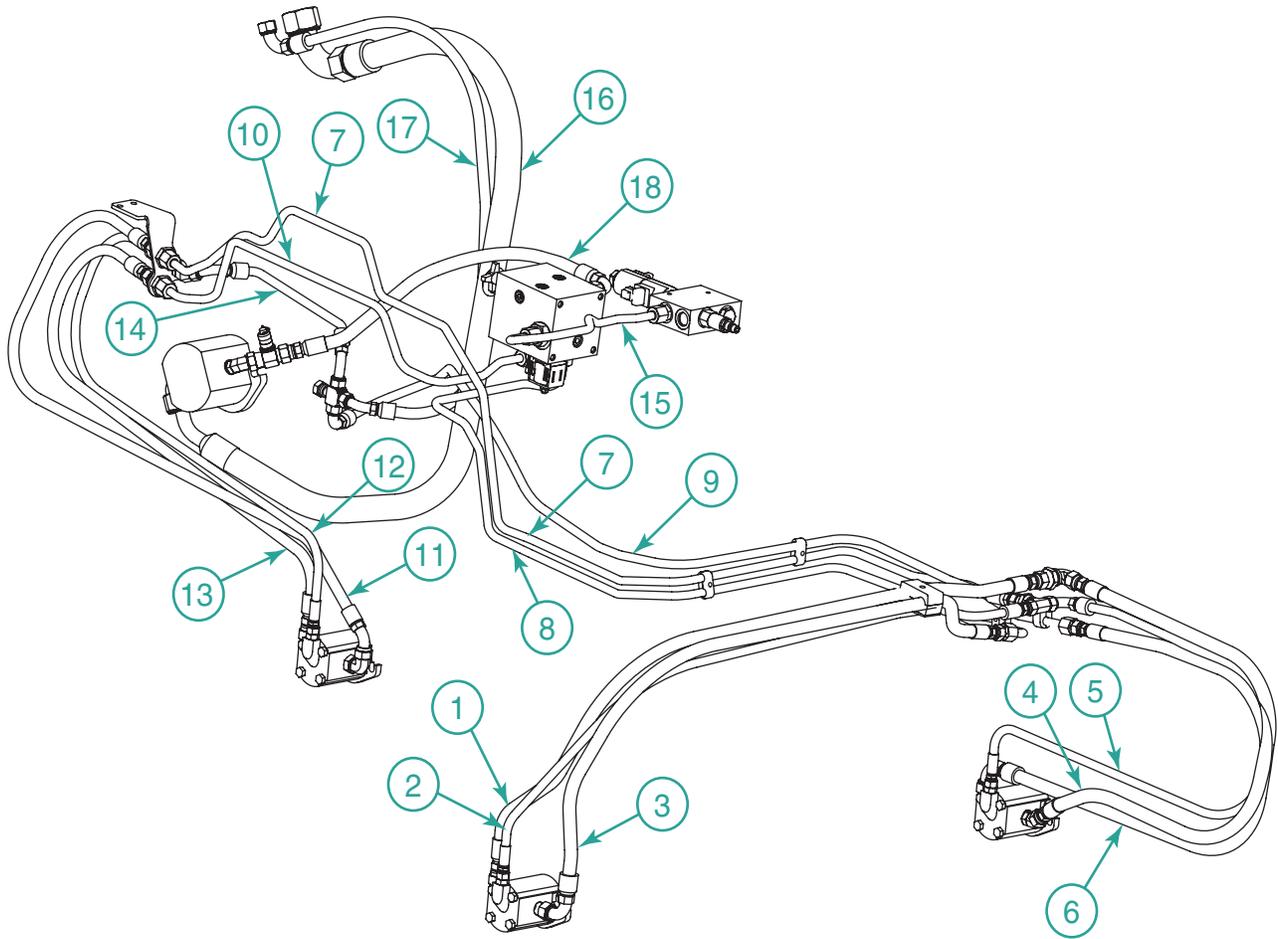


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2208139	2	Bore Hose Clamp, 5/8	
2	009079310	1	Top Plate	
3	450390	2	Washer, M8 x 17 x 1.8	
4	450411	2	Lock Washer, M8 x 12.75 x 2	
5	450019	1	Hex Bolt, M8 x 55	
6	450377	8	Hex Nut, M6 Nyloc	
7	4150297	6	Single Clamp, 12 mm	
8	450389	15	Washer, M6 x 12.5 x 1.8	
9	450175	5	Hex Screw, M6 x 40	
10	450173	4	Hex Screw, M6 x 40	
11	4240222	3	Double Clamp, 12 mm	
12	450007	1	Hex Bolt, M6 x 60	
13	4264193	2	Hose Clamp Bottom - 5/8" Bore	
14	837737	2	Clamp Plate	
15	837736	1	Hose Clamp Cover	
16	450196	1	Hex Screw, M8 x 45	
17	844219	2	Double Clamp, 10mm	

> Change from previous revision

31.1 Cutting Circuit

Illustration Number: 4221480-13

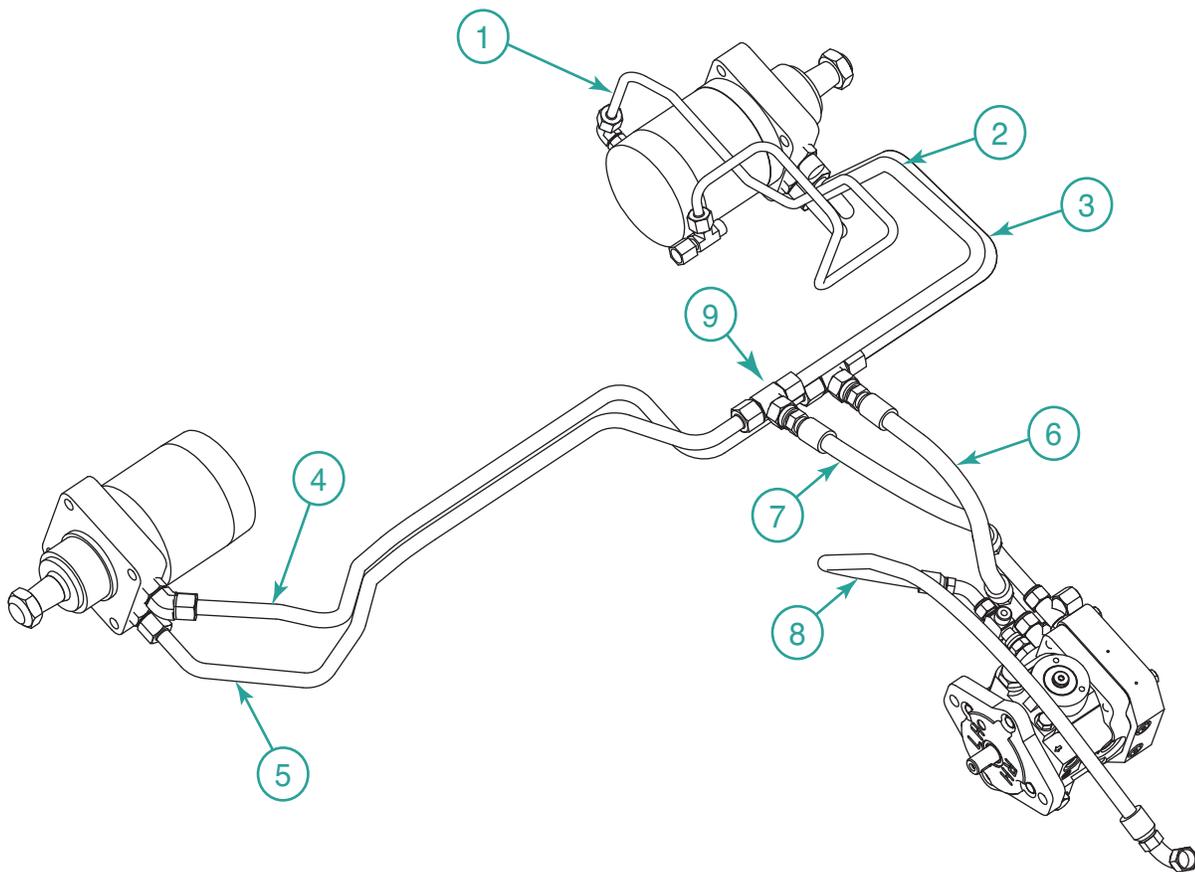


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4147136	1	Hose, 12.7 MM I.D. x 20.6 MM O.D.	RH Motor Rear
2	4147137	1	Hose, 6.4 MM I.D. x 13.4 MM O.D.	RH Motor Drain
3	4147135	1	Hose, 12.7 MM I.D. x 20.6 MM O.D.	RH Motor Front
4	4147139	1	Hose, 12.7 MM I.D. x 20.6 MM O.D.	LH Motor Front
5	4147140	1	Hose, 6.4 MM I.D. x 13.5 MM O.D.	LH Motor Drain
6	4147138	1	Hose, 12.7 MM I.D. x 20.6 MM O.D.	LH Motor Rear
7	4226741	1	Hydraulic Tube	
8	4226744	1	Hydraulic Tube	
9	843913	1	Hose, Hydraulic .25 I.D. x 76.00" Long	
10	4227600	1	Hydraulic Tube	
11	843921	1	Hose, Hydraulic .50 I.D. x 47.50" Long	
12	843922	1	Hose, Hydraulic .50 I.D. x 43.25" Long	
13	843911	1	Hose, Hydraulic .25 I.D. x 47.50" Long	
14	4202181	1	Hydraulic Tube	
15	4231640	1	Hydraulic Tube	
16	4231840	1	Hydraulic Tube	
17	4234040	1	Hydraulic Tube	
18	4232180	1	Hydraulic Tube	

> Change from previous revision

32.1 Transmission Circuit

Illustration Number: 4221480-14

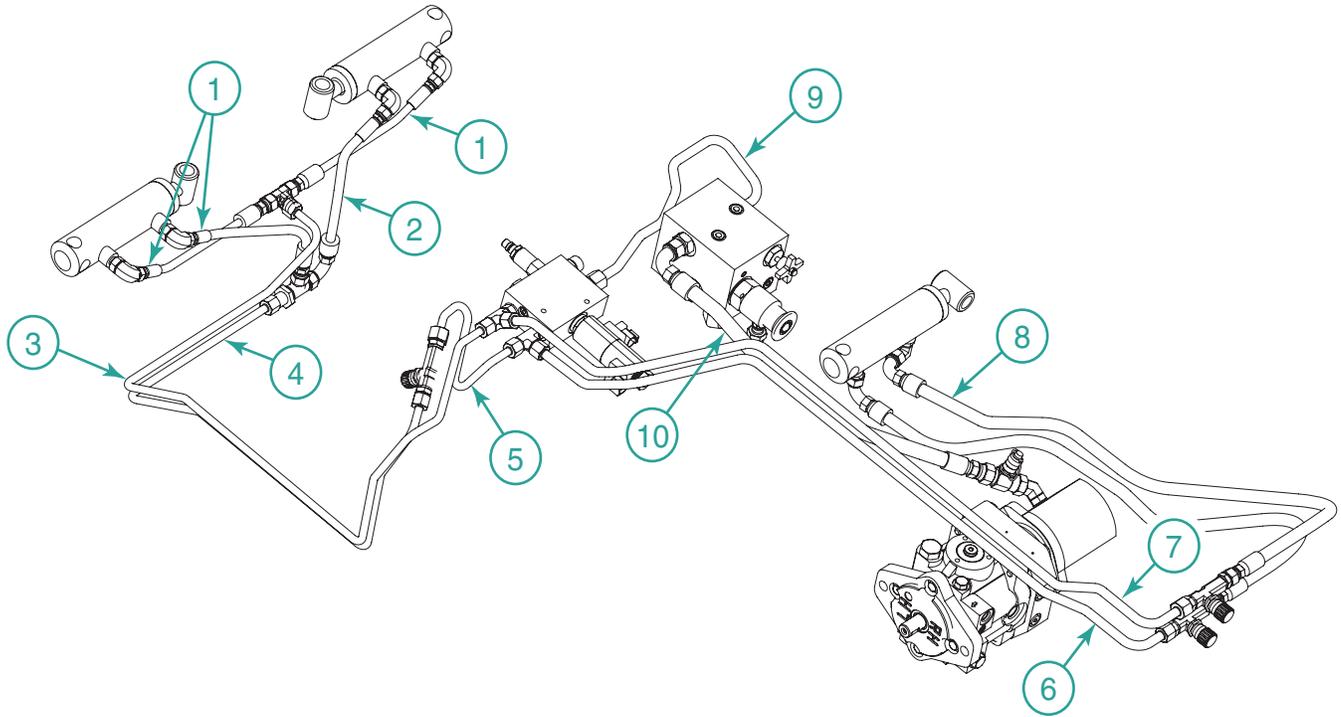


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4239822	1	Hydraulic Tube	
2	4239722	1	Hydraulic Tube	
3	4239723	1	Hydraulic Tube	
4	4226742	1	Hydraulic Tube	
5	4303496	1	Hydraulic Tube	
6	4245192	1	Hydraulic Hose	
7	843926	1	Hydraulic Hose, .5 I.D x 16.75" Long	
8	4234040	1	Hydraulic Tube	
9	002540050	2	Fitting Tee -M-M-M 1.00 ORFS	
	158061-08	6	<ul style="list-style-type: none"> • O-Ring ORFS M/M/M 1" 	

> Change from previous revision

33.1 Lift Circuit

Illustration Number: 4221480-15

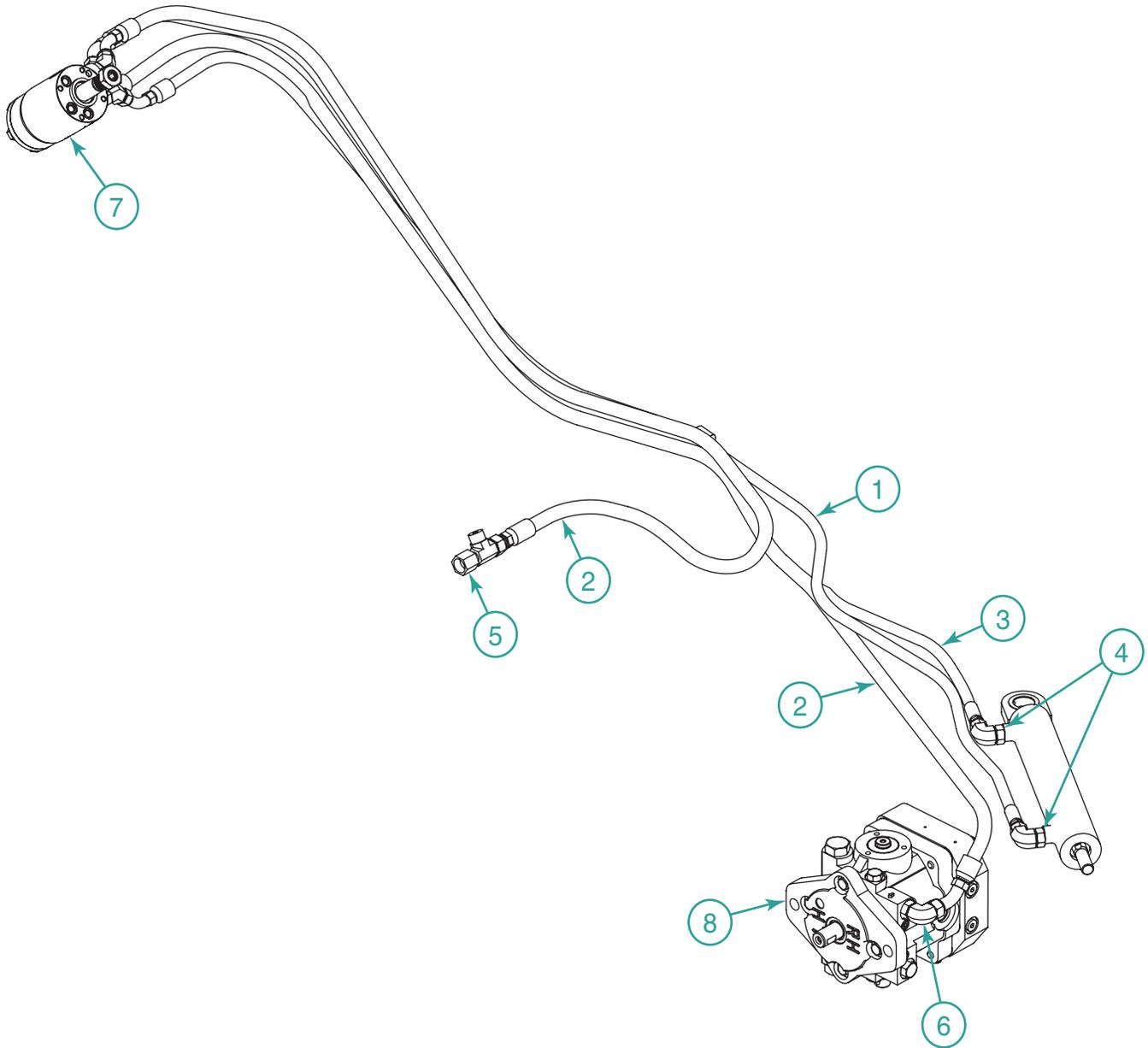


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	843908	3	Hydraulic Hose, .25 I.D x 10.62" Long	
2	839837	1	Hydraulic Hose, .25 I.D x 10.50" Long	
3	4226780	1	Hydraulic Tube	
4	4226740	1	Hydraulic Tube	
5	4226781	1	Hydraulic Tube	
6	4227880	1	Hydraulic Tube	
7	4227881	1	Hydraulic Tube	
8	4147141	2	Hose, 9.5 MM I.D. x 15.5 MM O.D.	Rear Lift
9	4231640	1	Hydraulic Tube	
10	4232180	1	Hydraulic Tube	

> Change from previous revision

34.1 Steering Circuit

Illustration Number: 4221480-16



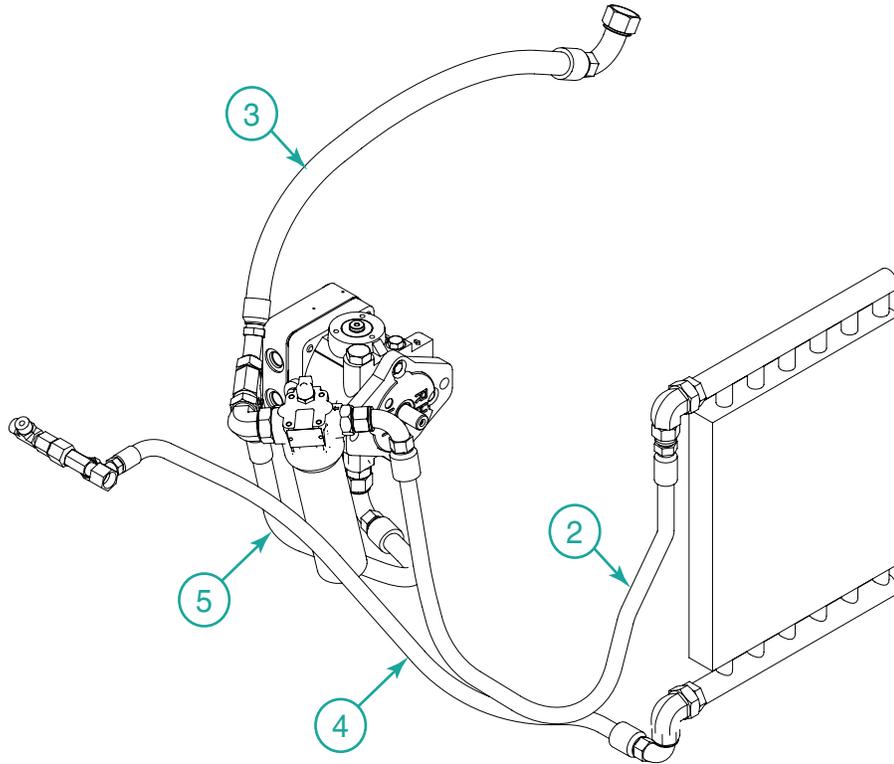
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	839842	1	Hydraulic Hose, .25 I.D x 77"	Between Steer Valve & Hose 839842 (Not Illustrated) (Not Illustrated)
	158059-04	1	• Fitting, 45 ORS/ORB	
	158061-01	1	• O-Ring ORFS	
	002218065	1	• O-Ring SAE	
2	843919	1	Hydraulic Hose, .38 I.D x 72.50"	Between Steer Valve & Hose 843919 (Not Illustrated) (Not Illustrated)
	839846	2	• Fitting, 45.56 - 18 x .56 - 18	
	158061-18	1	• O-Ring ORFS	
	002218065	1	• O-Ring SAE	
3	4237263	1	Hydraulic Hose	
4	002525010	1	Fitting, 90 deg 9/16 SAE	(Not Illustrated) (Not Illustrated)
	158061-18	1	• O-Ring ORFS	
	002218065	1	• O-Ring SAE	
5	002498400	1	Fitting, 11/16 ORS	(Not Illustrated)
	158061-01	2	• O-Ring ORFS	
6	158007-01	1	Fitting, 90 deg 9/16 SAE	(Not Illustrated) (Not Illustrated)
	158061-01	1	• O-Ring ORFS	
	002218065	1	• O-Ring SAE	
7	4239255	1	Steer Valve	
	4195580	1	• Seal Kit	
8	894103	1	Hydraulic Pump Assembly	

> Change from previous revision

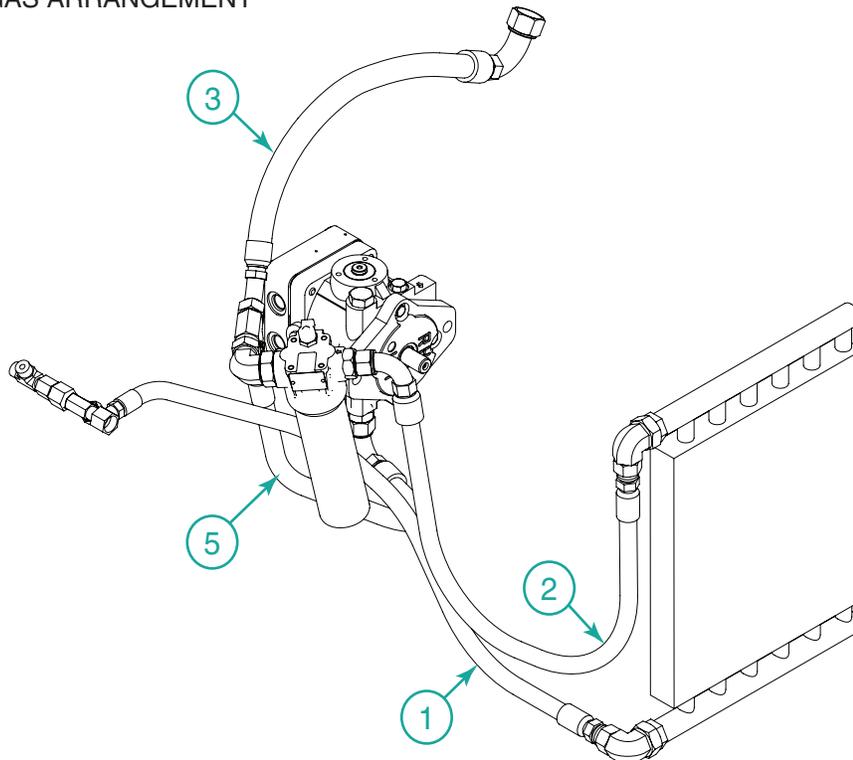
35.1 Tank Filter Cooler Circuit

Illustration Number: 4221480-17

DIESEL ARRANGEMENT

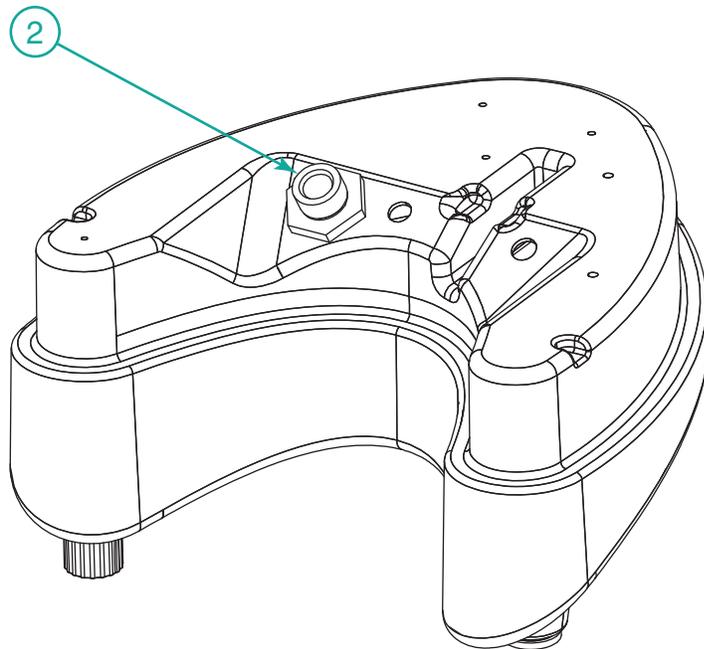
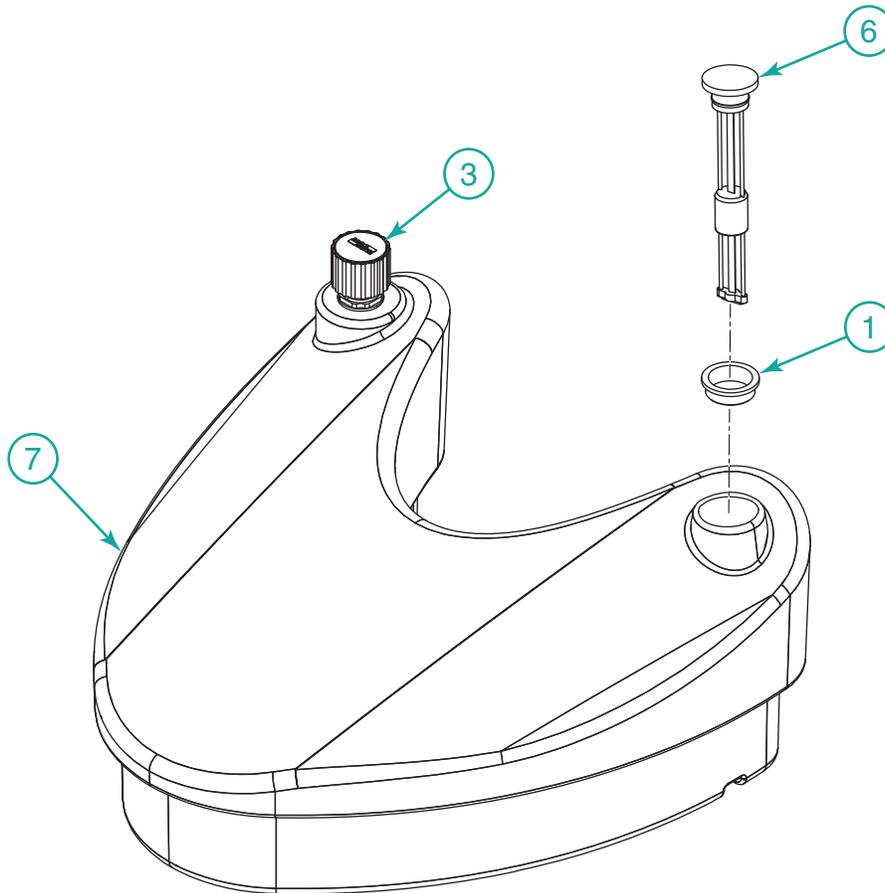


GAS ARRANGEMENT



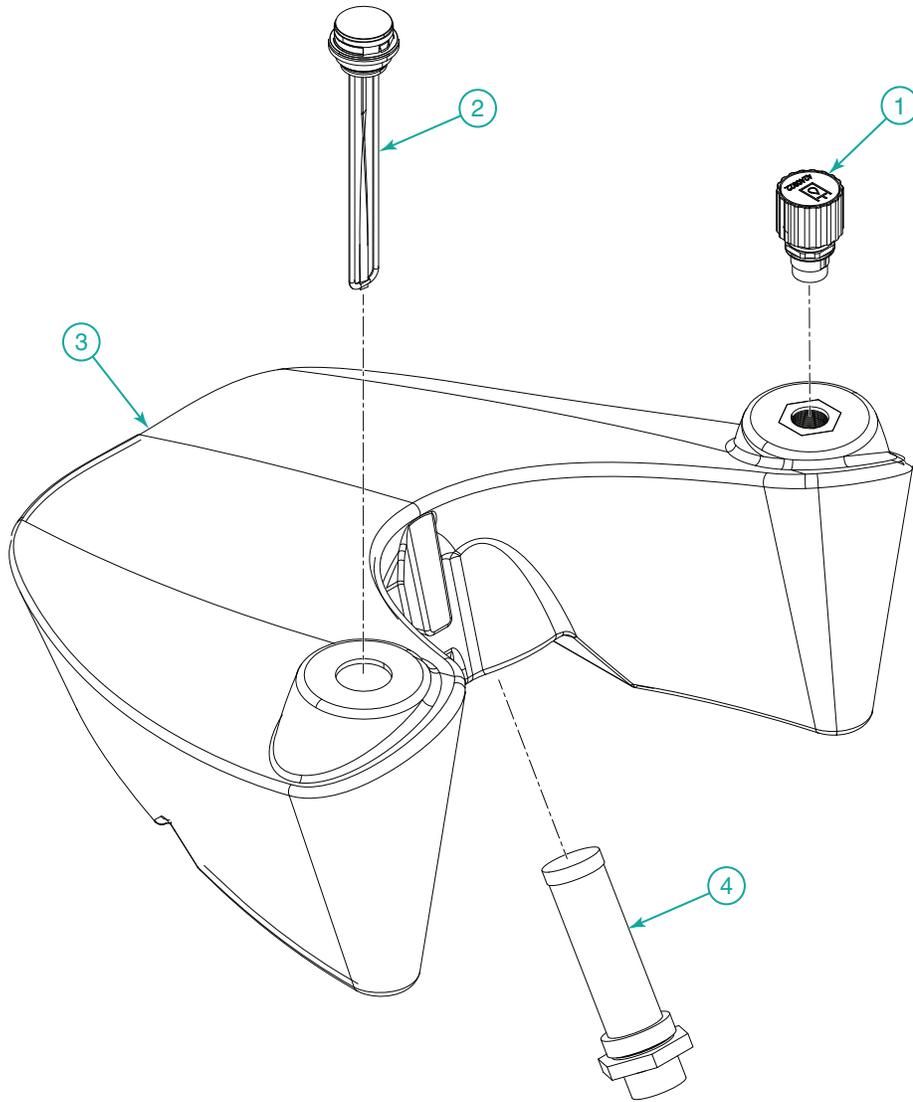
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4250913	1	Hydraulic Hose	
2	4232140	1	Hydraulic Hose	
3	4246090	1	Hydraulic Hose	
4	4232120	1	Hydraulic Hose	
5	4163631	1	Hydraulic Hose	Diff Valve to Front Motor

> Change from previous revision



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2218147	1	Gauge Grommet	
2	4153597	1	Suction Strainer, 125 Micron	Torque to 40 - 45 Nm
3	4240922	1	Breather / Filler	
4	4292311	1	• O Ring	(Not Illustrated)
5	4292312	1	• Metal Ring	(Not Illustrated)
6	4238062	1	Hydraulic Level Gauge	
7	4222225	1	Hydraulic Tank	

> Change from previous revision

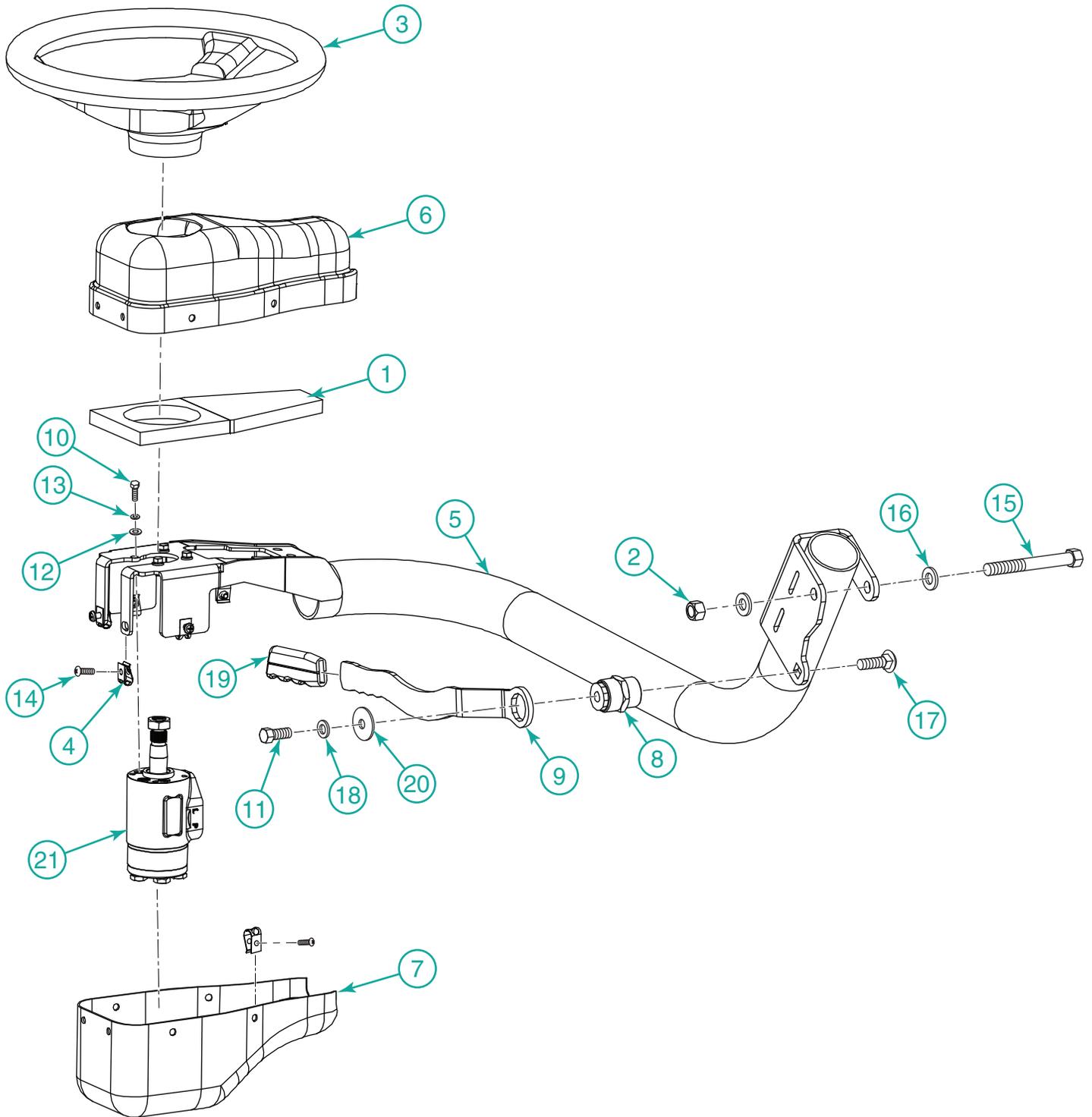


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4240922	1	Breather / Filler	
2	4291051	1	Oil Level Gauge	
3	4282956	1	Hydraulic Tank	
4	4153597	1	Suction Strainer, 125 Micron	

> Change from previous revision

38.1 Control Arm

Illustration Number: 4208740-E



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4239251	1	Acoustic-Steer Cover Top	
2	001399032	1	Hex Nut, 1/2-20	
3	2811364	1	Steering Wheel	
4	4134028	6	Lug Nut, M6	
5	4208220	1	Steering Arm Weldment	
6	4213400	1	Steering Column Top Cover	
7	4213401	1	Bottom Cover	
8	4246371	1	Boss - Steering Arm Lock	
9	4246372	1	Handle	
10	450170	1	Hex Screw, M6 x 16 mm	
11	001021090	4	Screw 1/2" UNC x 3/4	
12	450389	1	Washer, M6 x 12.5 x 1.8 mm	
13	450410	4	Lock Washer, M6 x 9.6 x 1.5 mm	
14	450542	4	Pan Head Screw, M6-1 x 20 mm (Grade 4.8)	
15	451031477	6	Hex Bolt, 1/2-20 x 4-1/2	
16	452101285	1	Washer, 1/2 x 1-1/8 x .104	
17	800845	2	C Bolt, 0.5-13 1.50 YS G5 (KC)	
18	450413	1	Lock Washer, M12 x 17.9 x 2.5 mm	
19	4265291	1	Grip Control Lever (Red)	
20	800800	1	Washer, 1/2 x 1.1/2 x 2.5 mm	
21	4239255	1	Steering Unit	
22	4195580	1	• Seal Kit	(Not Illustrated)

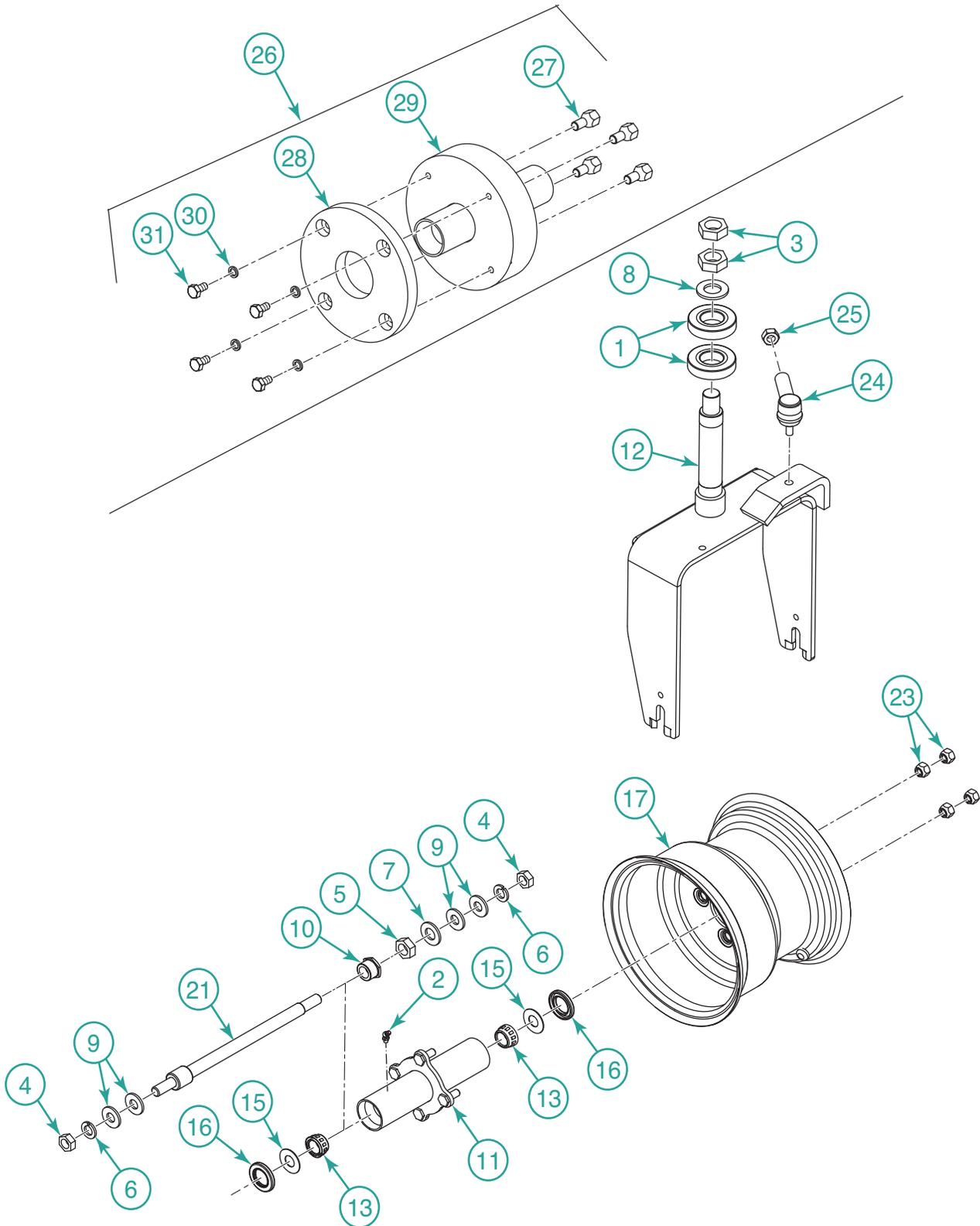
> Change from previous revision

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4205283	1	Kit-Handbrake GP400	Includes items 2, 11, 12, 13.
2	4187540	1	• Handbrake H29 10:1	
3	4209180	1	Switch Assembly	(Not Illustrated)
4	4209181	2	E-Clip	(Not Illustrated)
5	4209182	1	Stainless Nut, M2	(Not Illustrated)
6	4209183	1	Pin	(Not Illustrated)
7	4209184	2	R-Clip	(Not Illustrated)
8	4209185	4	Screw SSM2 CH Hd	(Not Illustrated)
9	4209186	1	Stainless Washer, M2	(Not Illustrated)
10	4189460	1	Handbrake Boss	
11	4203580	1	• Cable Assembly-Equaliser	
12	4204342	1	• Cable-Brake, Short	
13	4204440	1	• Cable-Brake, Long	
14	4210540	1	Assembly-Brake Caliper Ccw (Long Lever)	
15	4207120	1	Lever-Brake Caliper Rh	
16	2188147-02	1	• Pad-Cam Side	
17	2188147-03	1	• Pad-Support	
18	2188147-04	1	• Spring Lever Retainer	
19	2188147-05	1	• Housing	
20	2188147-06	1	• Cam	
21	2188147-07	1	• Pin Pivot	
22	503660	1	• Pad Carrier Side	
23	2188147-09	1	• Pad Support	
24	4210541	1	Assembly-Brake Caliper Cw (Long Lever)	
25	4207121	1	Lever Brake Caliper LH	
26	2188147-02	1	• Pad Cam Side	
27	2188147-03	1	• Pad Support	
28	2188147-04	1	• Lever Retainer Spring	
29	2188147-05	1	• Housing	
30	2188147-06	1	• Cam	
31	2188147-07	1	• Pin Pivot	
32	503660	1	• Pad Carrier Side	
33	2188147-09	1	• Pad Support	
34	4218440	1	Weldment Chassis	
35	450032	1	Hex Bolt, M10x50	
36	450215	1	Hex Screw, M10x30	
37	450379	2	Hex Nut, M10 Nyloc	
38	450391	4	Washer, M10 x 21 x 2.2	
39	843160	2	Hub, Wheel & Disc	
40	4237062	2	Wheel Assembly Complete	
41	4222722	1	• Rim-10x8.50	(Not Illustrated)
42	4233900	1	• Tyre 20x10-10-2 Ply OTR Smooth	(Not Illustrated)
43	4220940	1	• Tubeless Tyre Valve Assembly - TR412	(Not Illustrated)

> Change from previous revision

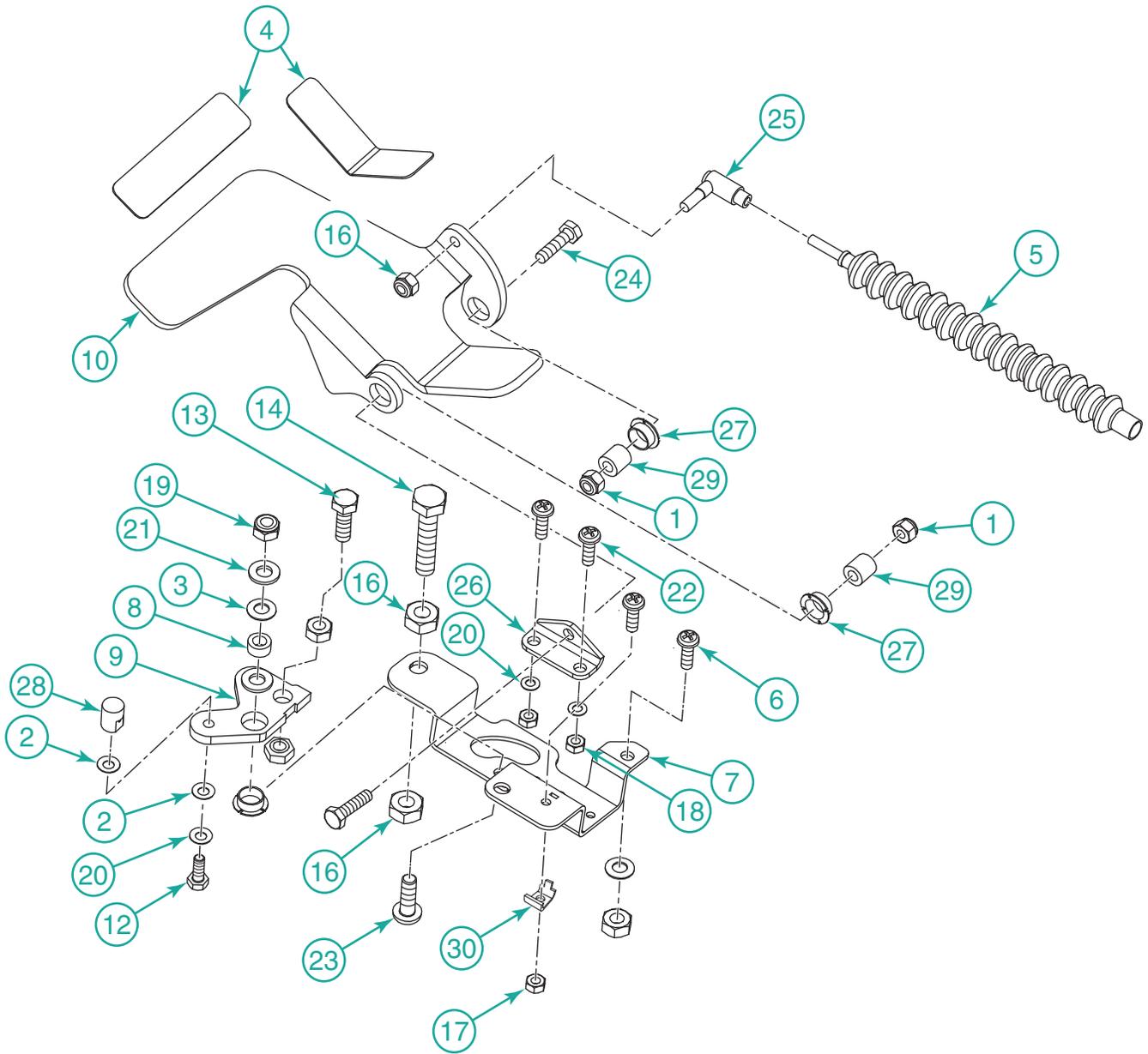
40.1 Rear Wheel

Illustration Number: 4236562-C



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	002036070	2	Radial Ball Bearing	
2	002993063	1	Lubricator, M6	
3	310854J	2	Nut, 1-14	
4	450020176	2	Hexagon Nut, 5/18-18	
5	450020354	1	Hexagon Thin Nut, 3/4-16	
6	450425	2	Lock Washer, M16 x 27.3 x 3.7	
7	452000562	1	Washer, 3/4 x 1-1/2 x .128	
8	452000627	1	Washer, 1 x 1-7/8 x .160	
9	452101293	4	Washer, 5/8 x 1-3/8 x .128	
10	836719J	1	Bearing Adjuster Nut	
11	892171	1	Wheel Hub Assembly	
	809268	2	• Ring, Bearing Backing	(Not Illustrated)
	008155160	4	• Wheel Stud 7/16-20 x 1-3/8	(Not Illustrated)
12	892913	1	Wheel Fork Assembly	
13	889859	2	Bearing	
14	830000441	1	• Tapper Bearing, .75 x 1.781 x .61	
15	809229	1	• Washer, .75 x 1.07 x .05	
16	836621	1	• Seal	
17	4222722	1	• Rim, 10 x 8.50	
18	4220940	1	• Tubeless Tyre Valve Assembly	(Not Illustrated)
19	4233900	1	• Tyre, 20 x 10-10-2 Ply OTR Smooth	(Not Illustrated)
20	4237062	1	Wheel & Tyre Assembly, 20 x 10-10	(Not Illustrated)
21	889843	1	Front Wheel Assembly	
22	4331446	1	Heavy Duty Axle (Gas Machines)	(Not Illustrated)
23	450990638	4	Wheel Nut, 7/16-20	Torque to 61 - 74 Nm
24	4210100	1	Steering Joint	
25	800490	1	Hexagon Nut, M14-1.5	
26	4240122	1	Rear Axle Stability	
27	64220-01	4	• Wheel Bolt, 1/2-20 x .88	
28	4126604	1	• Outer Rear Axle Weight	
29	4236482	1	• Wheel Hub	
30	450412	4	• Lock Washer, M10 x 15.9 x 2.5	
31	450213	4	• Hex Screw, M10 x 20	

> Change from previous revision



To Adjust Transport Speed Stop.

1. Loosen locknuts (16).
2. Adjust bolt (14).
3. Tighten Locknuts (16).

To Adjust Mow Speed Stop.

1. Loosen locknuts (15).
2. Adjust bolt (13).
3. Tighten Locknuts (15).

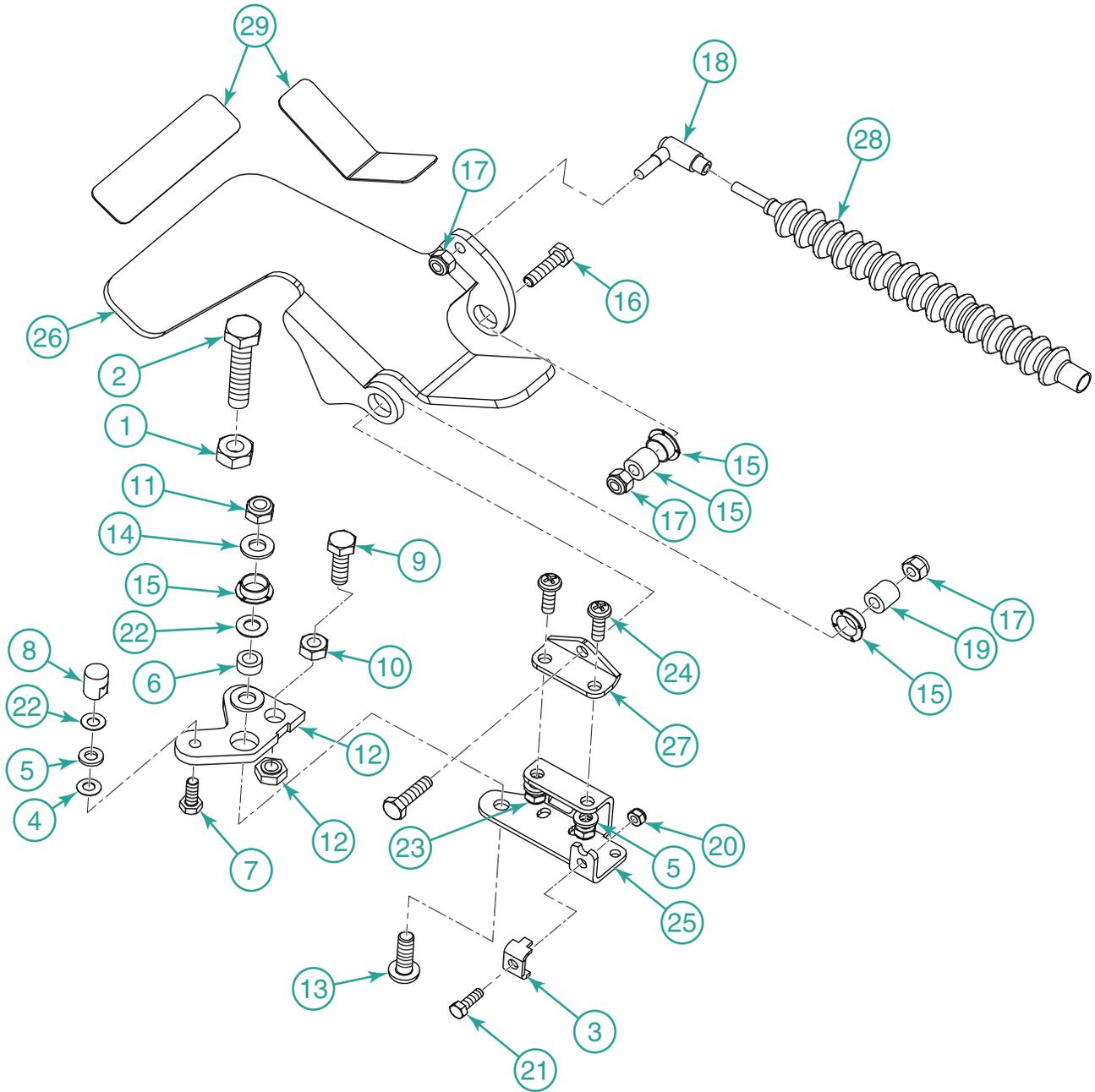
Note: Set pedal stops (Item 9), at a level to ensure cable is not fully extended.

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	001399121	3	Hex Nut, 1/4-28 Nyloc	
2	002920280	2	Disc Spring, 6.2 x 12.5 x 0.5	
3	002920501	1	Disc Spring, 8.2 x 12.5 x 0.5	
4	840003	2	Control Pedal	
5	4331126	1	Transmission Cable	
6	450552	2	Pan Head Screw, M8 - 1.25 x 20 mm (Grade 4.8)	
7	4389946	1	MOW Speed Bracket	
8	4149979	1	MOW Speed Bush	
9	4150697	1	MOW Speed Bush	
10	4144026	1	Foot Pedal	
11	450528	1	Pan Head Screw, M5 - 0.8 x 16 mm (Grade 4.8)	
12	450170	1	Hex Screw, M6 - 1 x 16 mm	
13	450192	1	Hex Screw, M8 - 1.25 x 25 mm	
14	450222	1	Hex Screw, M10 - 1.5 x 65 mm	
15	450324	1	Hex Nut, M8 - 1.25 (Grade 8)	
16	450325	2	Hex Nut, M10 - 1.5 (Grade 8)	
17	450376	1	Hex Nut, M5 - 0.8 (Grade 8)	
18	450377	2	Hex Nut, M6 - 1 (Grade 8)	
19	450378	3	Hex Nut, M8 - 1.25 (Grade 8)	
20	450389	3	Washer, M6 x 12.5 x 1.8	
21	450390	3	Washer, M8 x 17 x 1.8	
22	450542	2	Pan Head Screw, M6 - 1 x 20 mm (Grade 4.8)	
23	450553	1	Pan Head Screw, M8 - 1.25 x 25 mm (Grade 4.8)	
24	456110024	2	Hex Screw, 1/4 - 28 x 1	
25	831518	1	Rod End	
26	839388	1	Pivot Bracket	
27	J366877	3	Nyliner Bearing	
28	MBF0942	1	Cable Clamp	
29	MBG6994	2	Bush	
30	W022372	1	Throttle Clamp	

> Change from previous revision

42.1 Foot Pedal

Illustration Number: 4223840-D

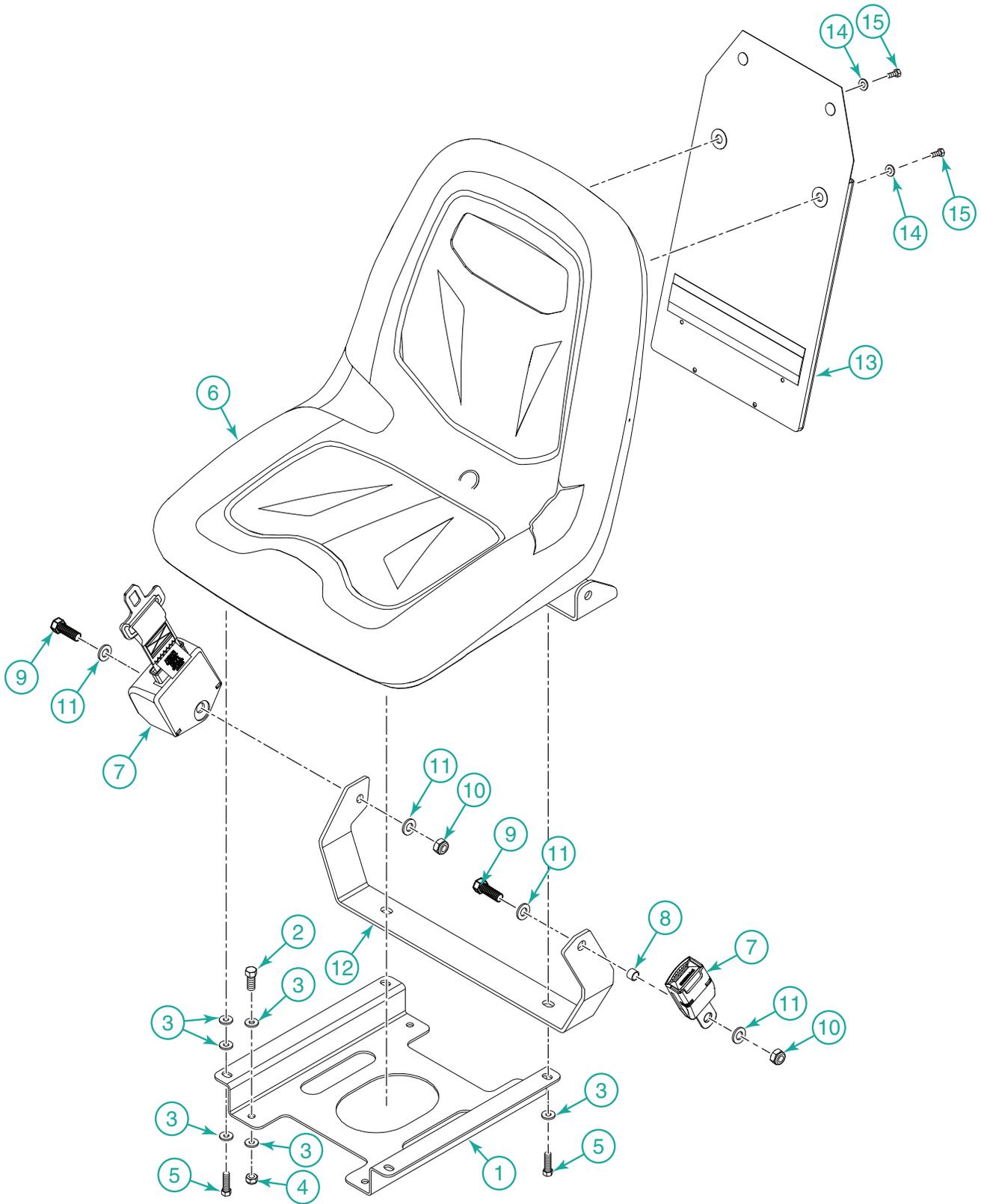


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	450325	1	Hex Nut, M10	
2	450219	1	Hex Screw, M10 x 50	
3	W022372	1	Throttle Clamp	
4	002920280	2	Disc Spring, 6.2 x 12.5 x .5	
5	450389	3	Washer, M6 x 12.5 x 1.8	
6	4149979	1	Mow Speed Bush	
7	450170	1	Hex Screw, M6 x 16	
8	MBF0942	1	Cable Clamp	
9	450192	1	Hex Screw, M8 x 25	
10	450324	1	Hex Nut, M8	
11	450378	1	Hex Nut, M8 Nyloc	
12	4150697	1	Mow Speed Lever Weldment	
13	450553	1	Pan Head Screw, M8 x 25	
14	450390	2	Washer, M8 x 17 x 1.8	
15	J366877	3	Nyliner Bearing	
16	456110024	2	Hex Screw, 1/4 x 1	
17	001399121	3	Hex Nut, 1/4-28 Nyloc	
18	831518	1	Rod End	
19	MBG6994	2	Steel Bush	
20	450376	1	Hex Nut, M5 Nyloc	
21	450151	1	Hex Screw, M5 x 16	
22	002920501	1	Disc Spring, 8.2 x 16 x .9	
23	450377	2	Hex Nut, M6 Nyloc	
24	450542	2	Pan Head Screw, M6 x 20	
25	4149978	1	Mow Speed Bracket	
26	4144026	1	Foot Pedal	
27	839388	1	Bracket, MTG, Pivot	
28	4239242	1	Transmission Cable	
29	840003	2	Tread, Control Pedal	

> Change from previous revision

43.1 Seat (Milsco)

Illustration Number: 4241462 & 695332

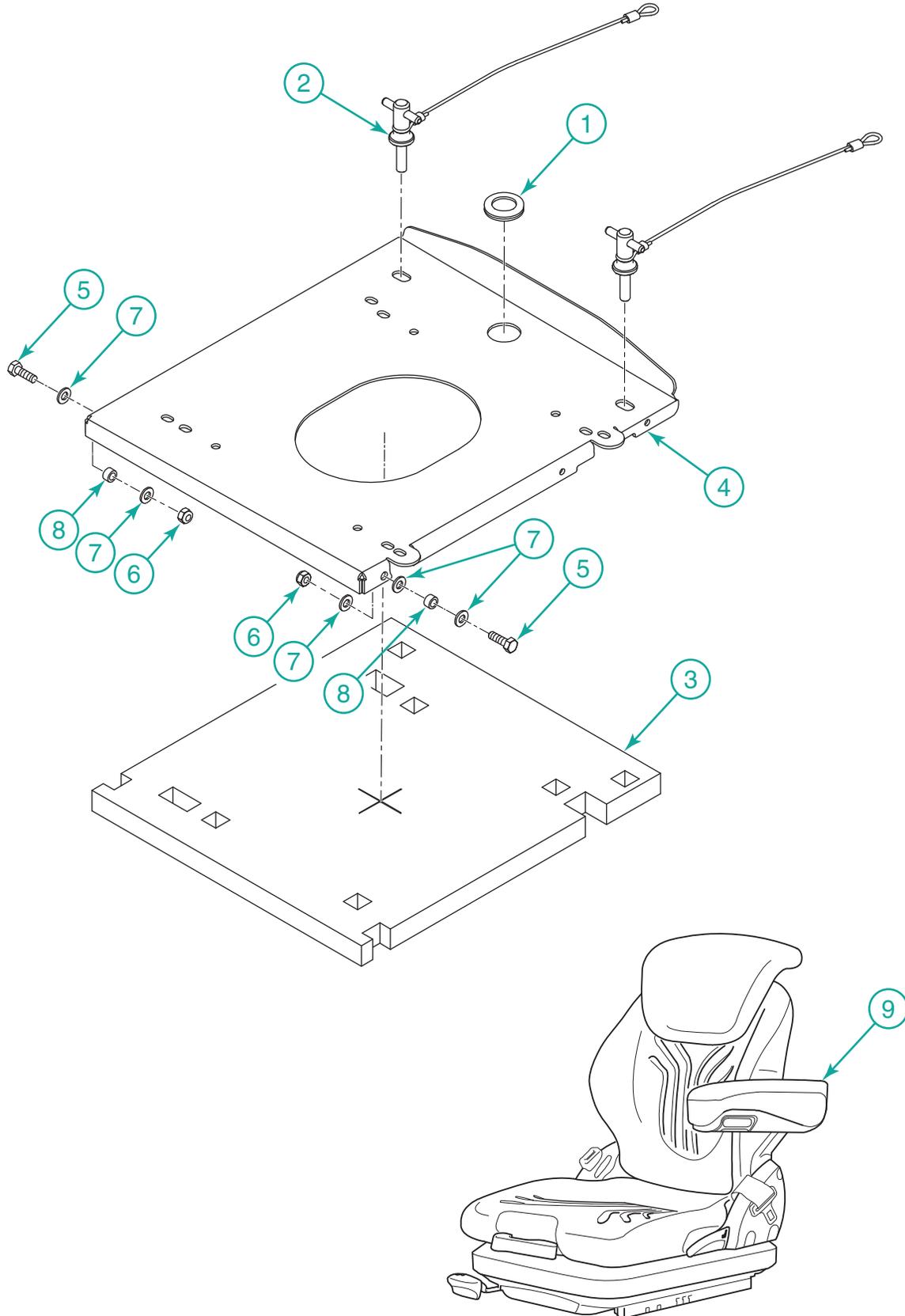


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4215580	1	Seat Mount - Milsco	
2	UK450191	4	Hex Screw, M8 - 1.25 x 20 mm	Grade8.8
3	UK450390	16	Washer, M8 x 17 x 1.8 mm	
4	UK450378	4	Hex Nut, M8 - 1.25 Nyloc	Grade 8
5	UK450192	4	Hex Screw, M8 - 1.25 x 25 mm	Grade 8.8
6	10039126	1	Seat - MI V3800 With Seat Belt Bracket	
7	4257812	1	Retractor, Safety Belt	
8	4205942	1	Spacer - Seat Belt Bracket	
9	UK450214	2	Hex Screw, M10 - 1.5 x 25 mm	Grade 8.8
10	UK450379	2	Hex Nut, M10 - 1.5 mm Nyloc	Grade 8
11	UK450391	4	Washer, M10 x 21 x 2.2 mm	
12	10038817	1	Seat Mounting Bracket	
13	3003928	1	Literature Bag	
14	UK452000211	2	Washer, 1/4 x 9/16 x 0.056	
15	UK456010030	2	Hex Screw, 1/4 - 28 x 1/2	Grade S

> Change from previous revision

44.1 Seat (Grammer)

Illustration Number: 4209420-C



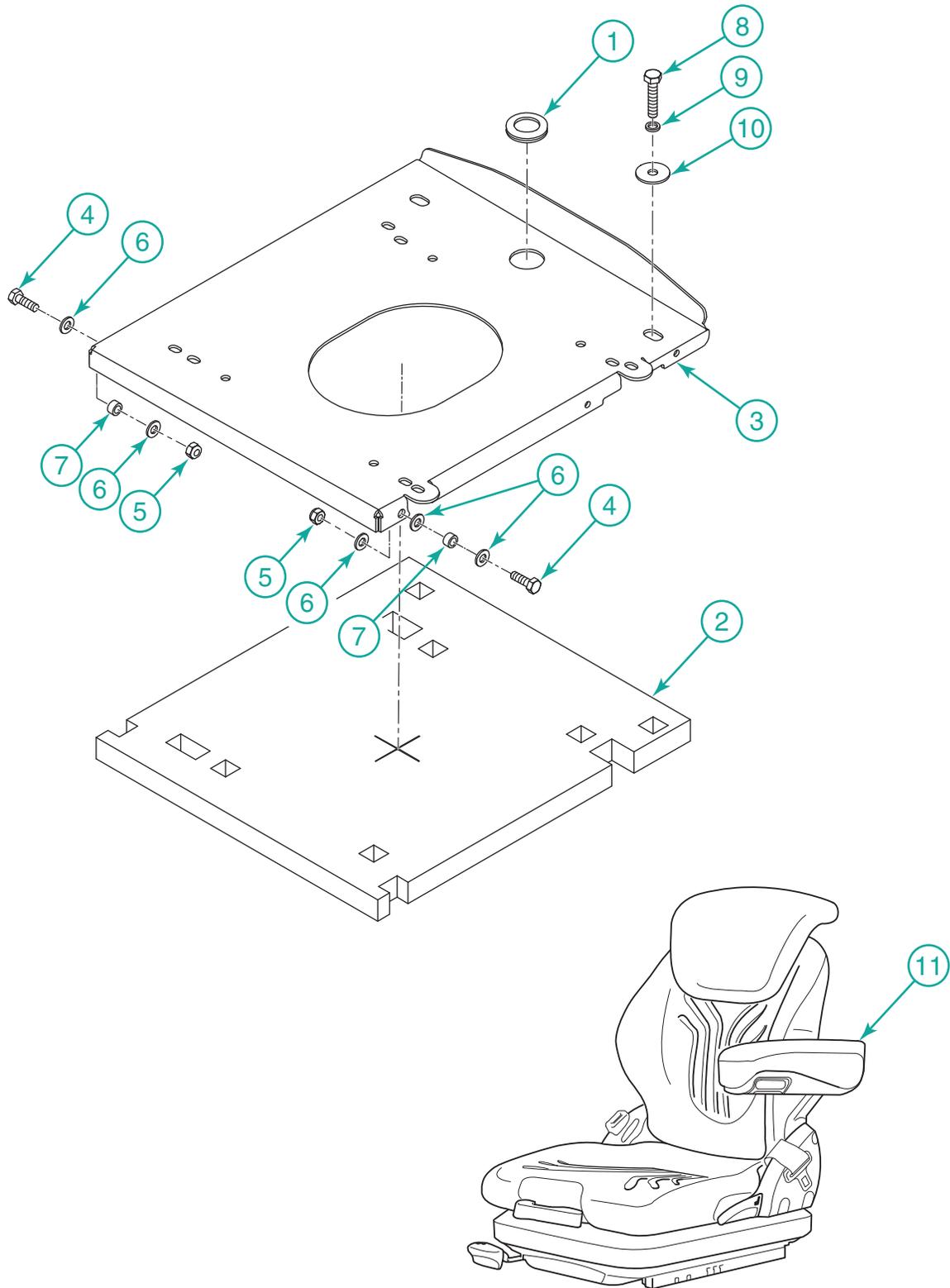
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	002953320	1	Diaphragm Grommet	
2	4218740	2	Lanyard Assembly - M10	
	2720296	1	• Lanyard	(Not Illustrated)
	2720297	1	• Ring Crimp	(Not Illustrated)
	4139693	1	• Seat Plate Stud	(Not Illustrated)
	451498	1	• Spirol Pin, 8 x 50	(Not Illustrated)
3	4239250	1	Acoustic-Seat Plate	
4	4244584	1	Seat Plate	
5	450192	6	Hex Screw, M8 - 1.25 x 25 mm	
6	450378	10	Hex Nut, M8 Nyloc (Grade 8)	
7	450390	17	Washer, M8 x 17 x 1.8	
8	823332	2	Bushing	
	4244917	1	MSG 65 - Hardware + Stop Kit	
9	4180700	1	Seat & Suspension Grammer	(Now Obsolete)
	450411	4	• Lock Washer, M8 x 12.75 x 2	(Not Illustrated)
	450390	8	• Washer, M8 x 17 x 1.8	(Not Illustrated)
	450377	1	• Hex Nut, M6 Nyloc	(Not Illustrated)
	450190	4	• Hex Screw, M8 -1.25 x 16 mm	(Not Illustrated)
	4243182	1	• MSG 65 - Slide Rail Set	(Not Illustrated)
	4140867	1	• Harness	(Not Illustrated)
	452101510	2	• Washer, 3/8 x 1-1/2 x .104	(Not Illustrated)
	450412	2	• Lock Washer, M10 x 15.9 x 2.5	(Not Illustrated)
	450219	2	• Hex Screw, M10 -1.5 x 50 mm	(Not Illustrated)

> Change from previous revision

45.1 Seat (Grammer) Serial Number

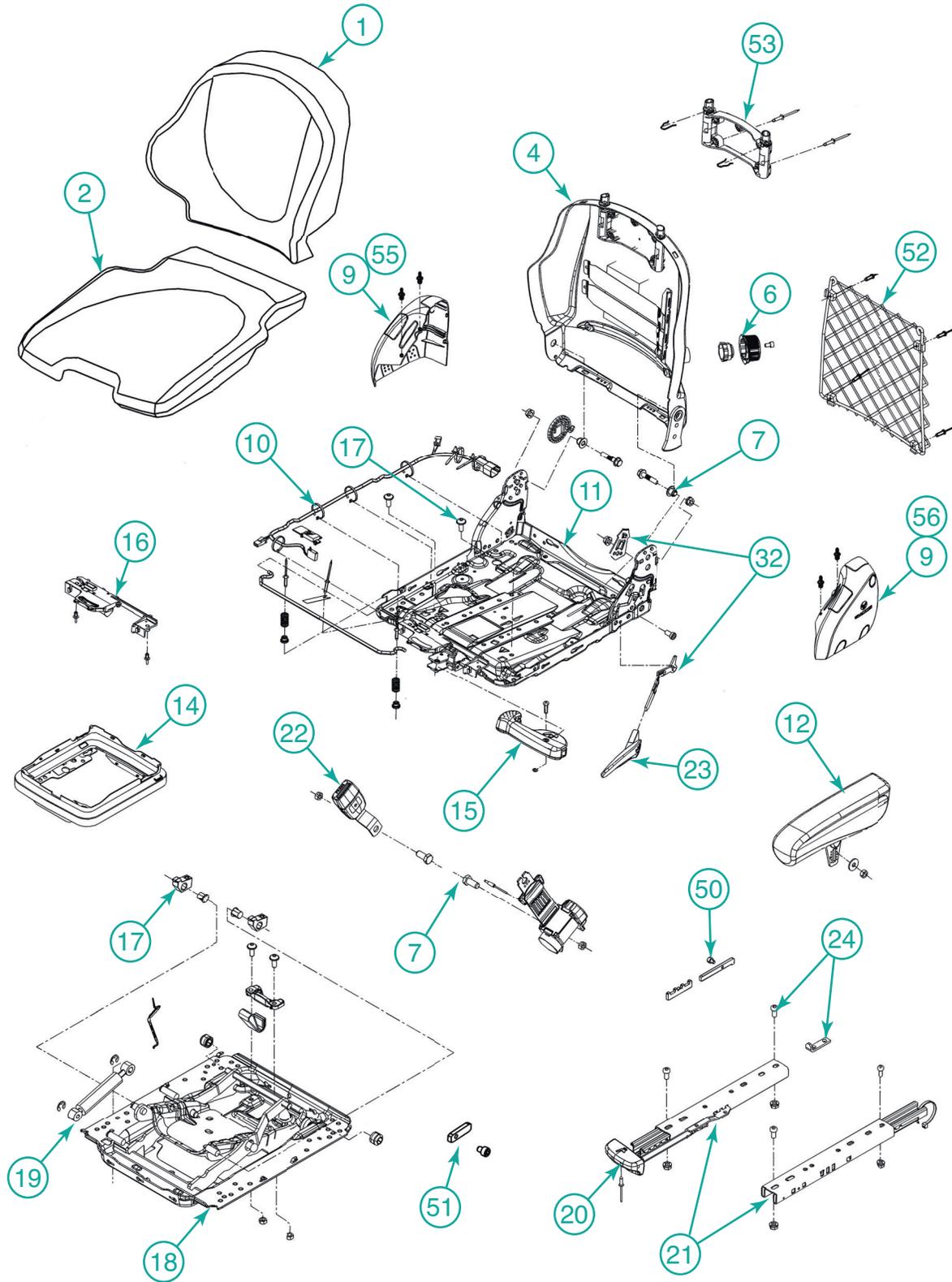
Serial No. GY000579 & GY400301

Illustration Number: 4209420-C



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	002953320	1	Rubber Grommet	
2	4239250	1	Seat Plate Acoustic Pad	
3	4244584	1	Milsco / MSG65 Seat Plate	
4	450192	2	Hexagon Head Screw, M8-1.25 x 25	
5	450378	2	Hexagon Nyloc Nut, M8-1.25	
6	450390	5	Washer, M8 x 17 x 1.8	
7	823332	2	Bushing	
8	450219	2	Hexagon Head Screw, M10-1.5 x 50	
9	450412	2	Lock Washer, M10 x 15.9 x 2.5	
10	452101510	2	Washer, 3/8" x 1-1/2" x .104	
11	4212720	1	Seat Grammer, MSG65	

> Change from previous revision



Item	Part No.	Qty.	Description	Serial Numbers/Notes
•	4212720	1	Seat Grammer, MSG65	
1	4318746	1	Cushion Kit, back	
2	4319289	1	Seat Cushion	
4	4207461	1	Backrest - metal	
6	4173562	1	Handle Kit for lumbar support	
7	4173563	1	Fixing Parts for Backrest	
9	4173565	1	Side Cover kit	
10	1104948	1	Switch Kit	Grammer Part Number.
11	689366	1	Suspension MSG65	
12	4173567	1	LH Armrest kit	
14	4173569	1	Bellows kit	
15	4173570	1	Handle kit for weight adjustment	
16	4173571	1	Housing kit	
17	4173572	1	Set of wear parts	
18	1079664	1	Swing Arm Kit	Grammer Part Number
19	1100338	1	Shock Absorber	Grammer Part Number
20	1081426	1	Handle kit grey	Grammer Part Number
21	4173574	1	Set of Adjustment rails	
22	4167821	1	Seat belt kit	
23	1071081	1	Grip. Back Angle	Grammer Part Number
24	1199379	1	Assembly Parts kit	Grammer Part Number
32	4173579	1	Backrest Adjustment kit	
50	4280831	1	Seat Stop kit	
51	1192074	1	LV Stop Catch	Grammer Part Number
52	1115954	1	Document Net	Grammer Part Number
53	1158730	1	Preparation Backrest	Grammer Part Number

> Change from previous revision

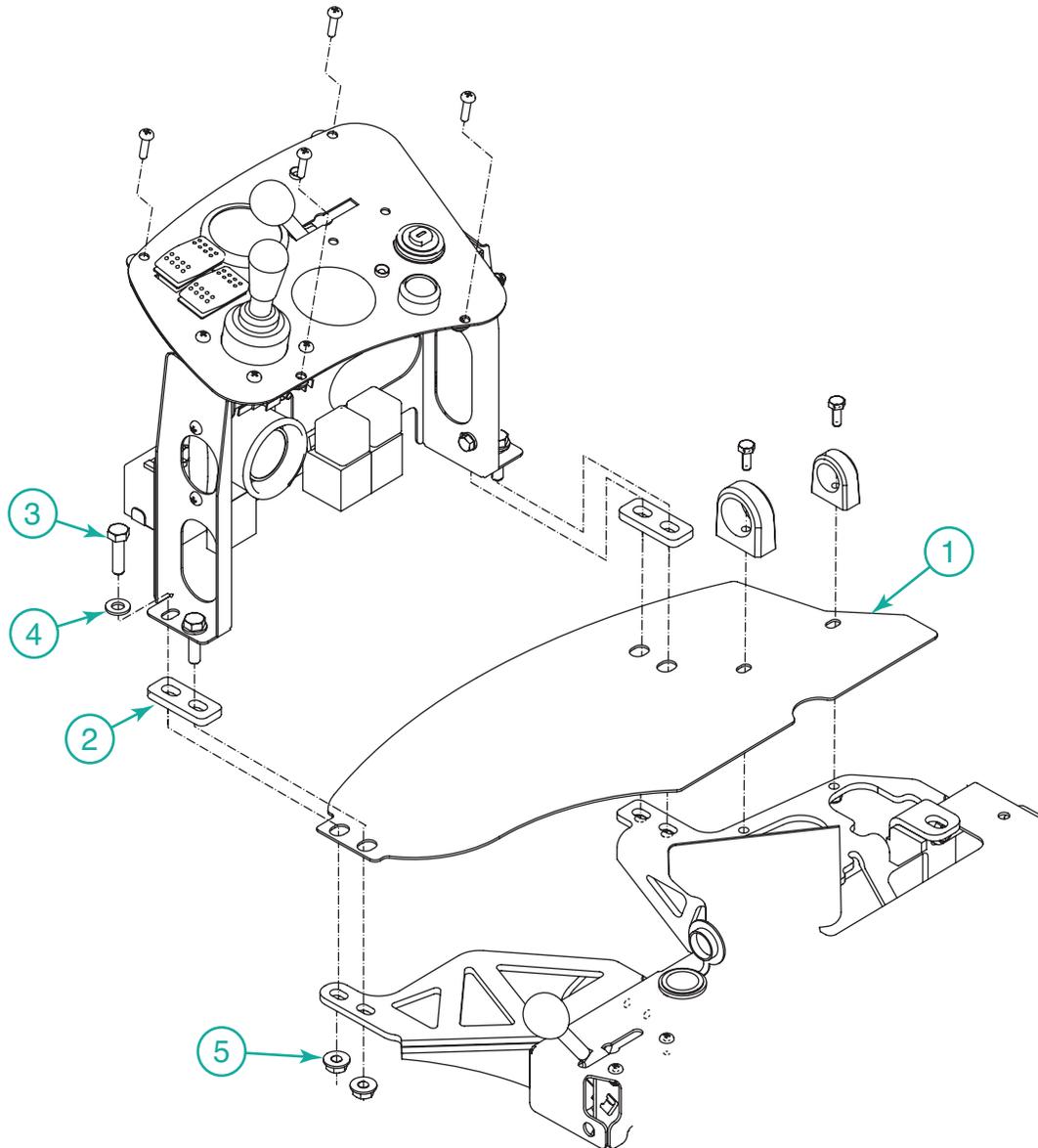
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	N/A	2	Relay Base Single	
2	008238350	1	Fuse Holder	
	008233164	1	• Fuse 10 Amp	Air Seat (Red)
	008233180	1	• Fuse 20 Amp	Plus +1 Controller (Yellow)
	008233164	1	• Fuse 10 Amp	PTO Switch & Accessory Socket (Red)
	008233172	1	• Fuse 15 Amp	Working Lights (Blue)
3	009072070	2	Washer, M8 x 22 x 3	
4	4138885	1	Accessory Socket - Large	
5	4142655	1	Horn	
6	4344569	1	Plus+1 Controller	C/W GP400 Generic Program
7	4150739	1	Throttle Cable - Diesel	(Not Illustrated)
•	4150738	1	Throttle Cable - Gasoline	(Not Illustrated)
8	4337787	1	Inductive Sensor	
9	4212483	1	Weldment - Cradle Frame	
10	4245050	1	Instrument Cover	
11	4245052	1	Weldment - Control Panel Aux Socket	
12	694698	1	Panel - Instrument Assembly (Gas)	See "Instrument Panel (Gas)" on page 103.
13	4228541	2	Shoulder Bolt	
14	450175	2	Hex Screw, M6-1.0 x 40	
15	450191	6	Hex Screw, M8-1.25 x 20	
16	450376	10	Hex Nut, M5-.8, Nyloc (Grade 8)	
17	450377	2	Hex Nut, M6-1.0, Nyloc (Grade 8)	
18	450378	4	Hex Nut, M8-1.25, Nyloc (Grade 8)	
19	450389	7	Washer, M6 x 12.5 x 1.8	
20	450390	10	Washer, M8 x 17 x 1.8	
21	450411	2	Lock Washer, M8 x 12.75 x 2	
22	450526	9	Pan Head Screw, M5-.8 x 12 mm	(Grade 4.8)
23	450529	4	Pan Head Screw, M5-.8 x 20 mm	(Grade 4.8)
24	008244690	2	Relay (30 Amp Change Over)	Used on Diesel and Gas Engines
25	4154600	1	40 Amp Maxi Fuse	Orange
26	694602	1	Panel-instrument Assembly (Diesel)	See "Instrument Panel (Diesel)" on page 101.
27	840002-1	1	Timer	Diesel Only
28	001394016	1	Nut, M6	
29	4227280	1	Cable-mow / Transport Selector	
30	4250730	1	Plate - Sensor Retainer	
31	450528	4	Pan Head Screw, M5-.8 x 16 mm	(Grade 4.8)
32	4250630	1	Bracket - Mode Sensor	
33	450388	12	Washer, M5 x 10 x 1.1	
34	4161528	1	Conduit Clamp, 28 mm	
35	4167144	2	Conduit Clamp, 20 mm	
36	4161527	1	Conduit Clamp, 16 mm	
37	450323	1	Hex Nut, M6-1	
38	450539	1	Pan Head Screw, M6-1.0 x 12 mm	(Grade 4.8)
39	450322	1	Hex Nut, M5-.8	(Grade 8)
40	450410	1	Lock Washer, M6 x 9.6 x 1.5	
41	450541	1	Pan Head Screw, M6-1.0 x 16 mm	(Grade 4.8)
42	450527	2	Pan Head Screw, M5-.8 x 14 mm	
43	4175079	1	Micro Relay, 15/25 Amp	Gas
44	008245135	1	3 Amp Diode, White	(Not Illustrated)
45	008245151	1	6 Amp Diode, Black	(Not Illustrated)

> Change from previous revision

47.1 Instrument Control Panel Cover

Illustration Number: 10004399-A

Serial No. From GY500545
Serial No. From GZ500338

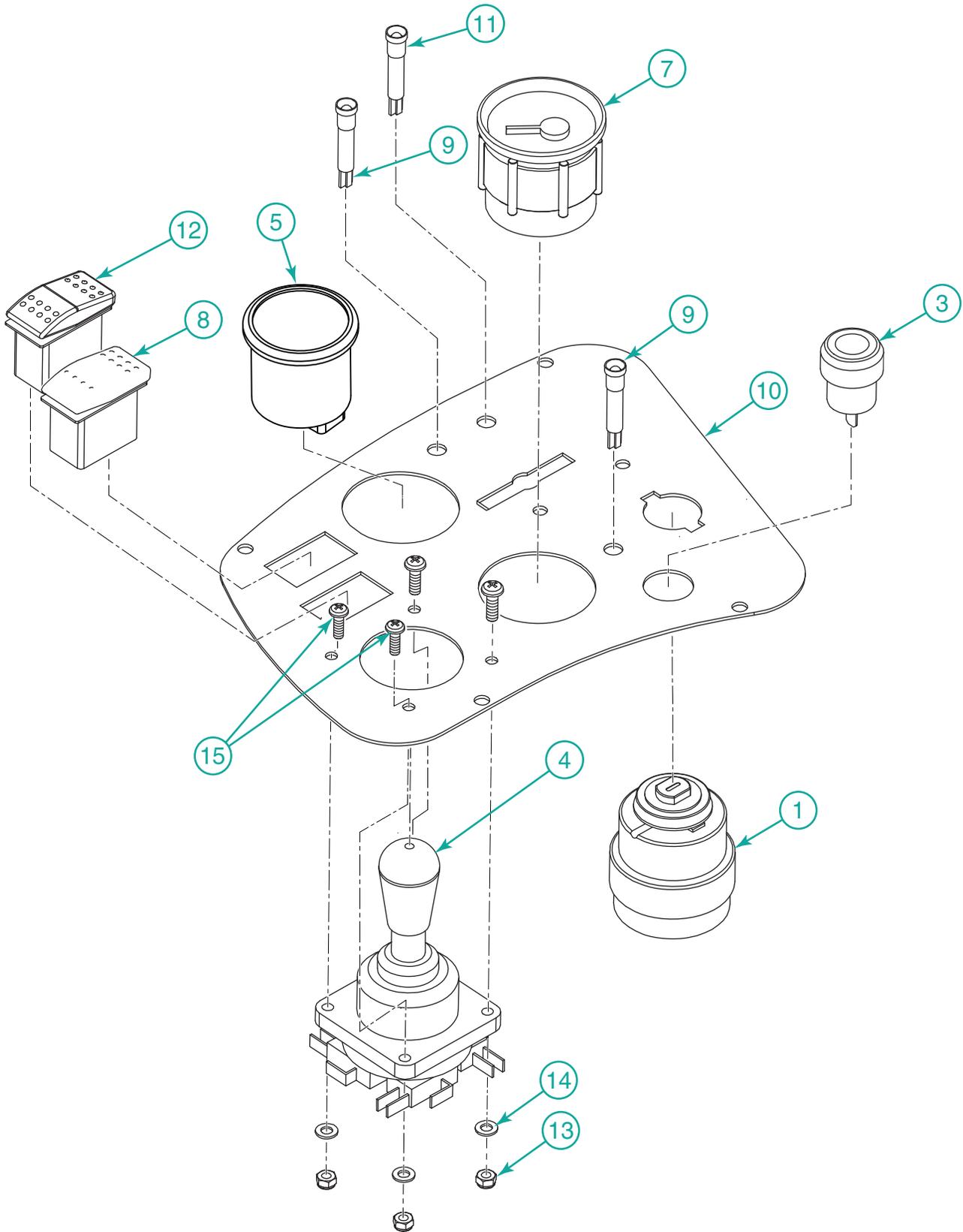


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	10002241	1	Controls Panel Cover	
2	10003579	2	Control Cover Spacer	
3	UK450193	4	Screw Hex, M8-1.25 x 30, Gr8.8	
4	UK450390	4	Washer, M8 x 17 x 1.8	
5	UK450453	4	Nut Hex M8-1.25, Gr 10, Verbus Ripp	

> Change from previous revision

48.1 Instrument Panel (Diesel)

Illustration Number: 694602-A



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	008289120	1	Ignition Switch	
2	4191900	1	• Key	(Not Illustrated)
3	008298544	1	Push Switch (Horn)	
4	4118223	1	Joystick	
	2812344	A/R	Micro Switch With Screws	
5	008109660	1	Hourmeter	
6	4274930	1	• Adapter for new Hour Meter	(Not Illustrated)
7	4152717	1	Gauge-Temp	
8	4159102	1	Mow / Reel Switch (Yellow)	
9	4212121	1	Cut Active Indicator Led	
10	694466	1	Instrument Panel GP400	
11	4230900	2	Filter Block Indicator Led	
12	4237083	1	Switch (Black)	
13	450376	4	Hex Nut, M5	
14	450388	4	Washer, M5 x 10 x 1.1 mm	
15	450528	4	Pan Head Screw, M5 x 16	
16			Harnesses/Leads - Diesel	(Not Illustrated)
17	4263150	1	• Main Harness-GP400 Genric	(Not Illustrated)
18	4227640	1	• Work Lamp Harness	(Not Illustrated)
19	4227642	1	• Engine Harness	(Not Illustrated)
20	4230901	1	• Lead Battery Positive	(Not Illustrated)
21	4230902	1	• Lead Battery Negative	(Not Illustrated)
22	4175141	1	• Rubber Boot - Black	(Not Illustrated)
23	4379587	1	• Split Convolute 32mm ID x 100mm	(Not Illustrated)

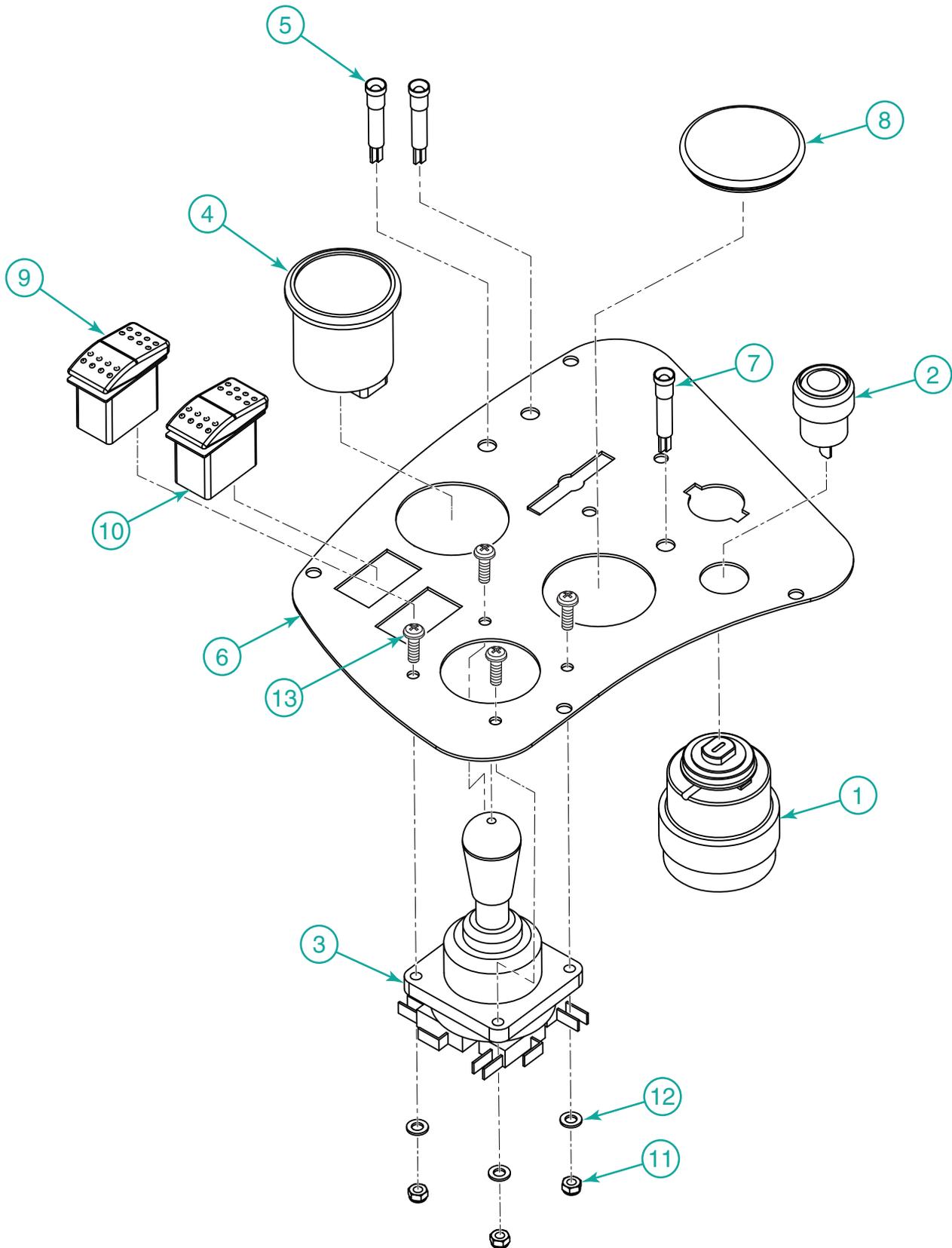
> Change from previous revision

GP400

49.1 Instrument Panel (Gas)

Serial No. All

Illustration Number: 694698-B

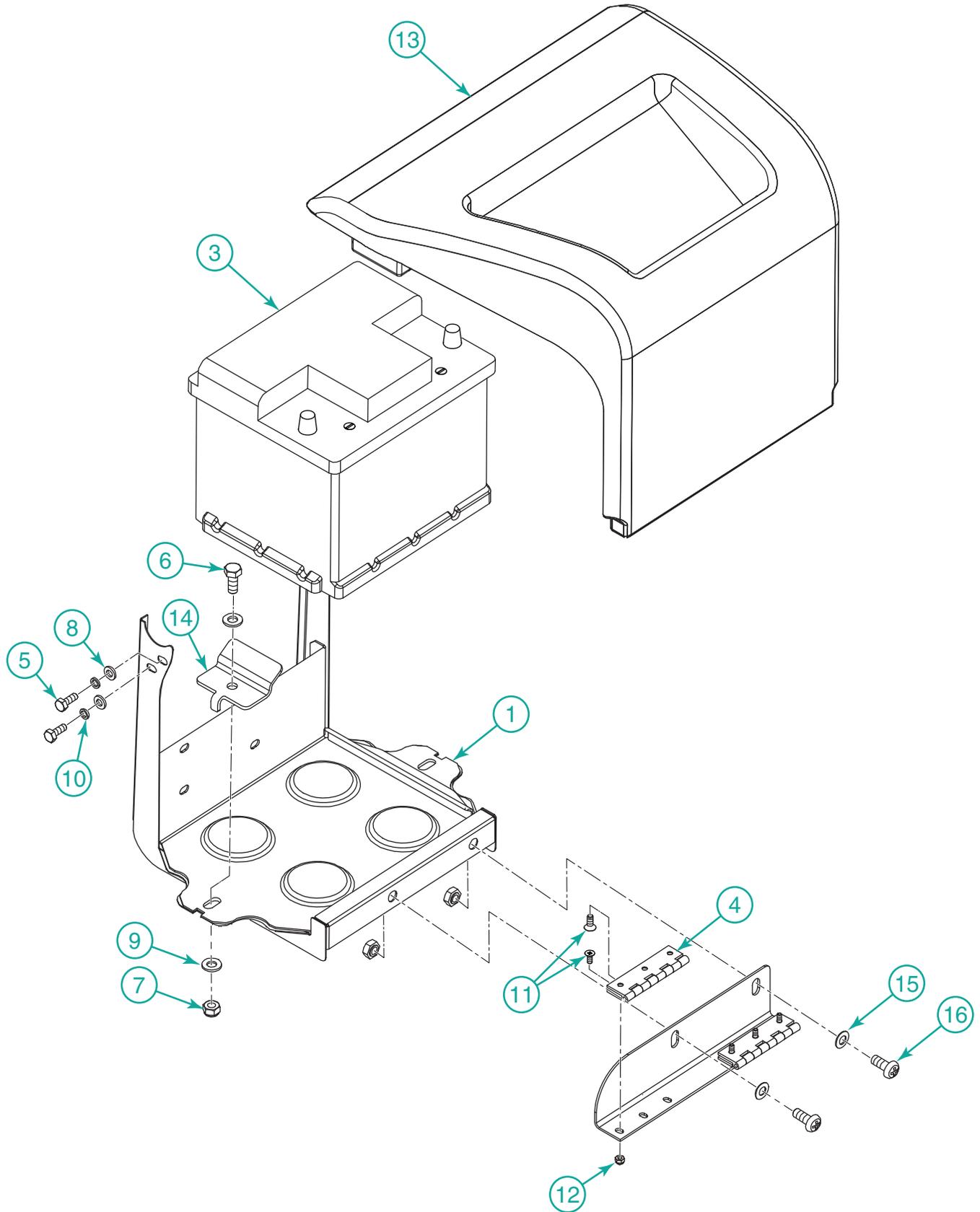


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	008289120	1	Ignition Switch	
2	008298544	1	Push Switch (Horn)	
3	4118223	1	Joystick	
4	008109660	1	Hourmeter	
5	4212121	1	Filter Block Indicator	Yellow
6	694466	1	Instrument panel GP322	
7	4230900	2	Engine Oil And Ignition Warn Light	
8	4230903	1	Grommet	
9	4237083	1	Switch (Black)	
10	4159102	1	Mow / Reel Switch (Yellow)	
11	450376	4	Hex Nut, M5-0.8 (Grade 8)	
12	450388	4	Washer, M5 x 10 x 1.1	
13	450528	4	Pan Head Screw, M5-.8 x 16 (Grade 4.8)	
			Harnesses/Leads - Gas	(Not Illustrated)
14	4263150	1	• Main Harness-GP400 Genric	(Not Illustrated)
15	4227640	1	• Work Lamp Harness	(Not Illustrated)
16	4227641	1	• Engine Harness	(Not Illustrated)
17	4377807	1	• Lead Battery Positive	(Not Illustrated)
18	4139551	1	• Positive Battery Terminal Cover (Red)	(Not Illustrated)
19	4230902	1	• Lead Battery Negative	(Not Illustrated)
20	4175141	1	• Rubber Boot (Black)	(Not Illustrated)
21	4379587	1	• Split Convolute 32mm ID x 100mm	(Not Illustrated)
22	10023434	1	• Cable-starter Link	(Not Illustrated)

> Change from previous revision

50.1 Battery

Illustration Number: 4218940-C

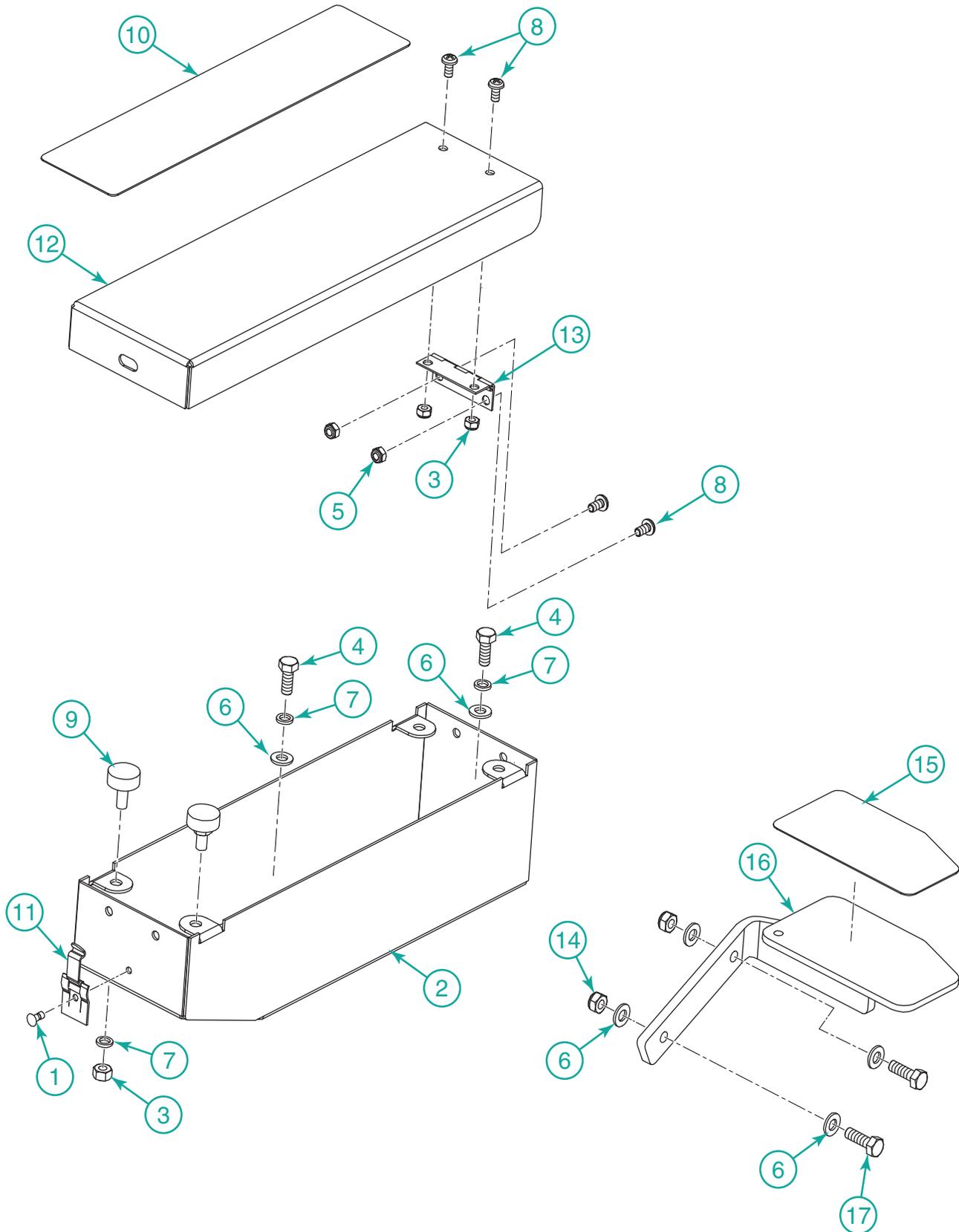


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4214680	1	Battery Tray Weldment	
2	4232840	1	Battery Cover Hinge Plate	
3	4322478	1	Battery, 12V 45AH 425A	
4	4217384	2	Storage Box Hinge	
5	450170	4	Hex Screw, M6 - 1.0 x 16 mm	
6	450191	1	Hex Screw, M8 - 1.25 x 20 mm	
7	450378	1	Hex Nut, M8 - 1.25 mm (Grade 8)	
8	450389	4	Washer, M6 x 12.5 x 1.8 mm	
9	450390	2	Washer, M8 x 17 x 1.8 mm	
10	450410	4	Lock Washer, M6 x 9.6 x 1.5 mm	
11	450593	12	Countersunk Screw, M4 - 0.7 x 10 mm (Grade 4.8)	
12	452717	6	Hex Nut, M4 - 0.7 mm	
13	4215221	1	Battery Cover	
14	4132871	1	Battery Clamp	
15	002920501	2	Spring Disc, 8.2 x 16 x 0.9 mm	
16	450552	2	Pan Head Screw, M8 - 1.25 x 20 mm (Grade 4.8)	
17	4377807	2	Positive Battery Cable	(Not Illustrated)
18	4230902	1	Negative Battery Cable	(Not Illustrated)
19	4139551	1	Positive Battery Cover	(Not Illustrated)

> Change from previous revision

51.1 Toolbox/Step

Illustration Number: 4226460-C

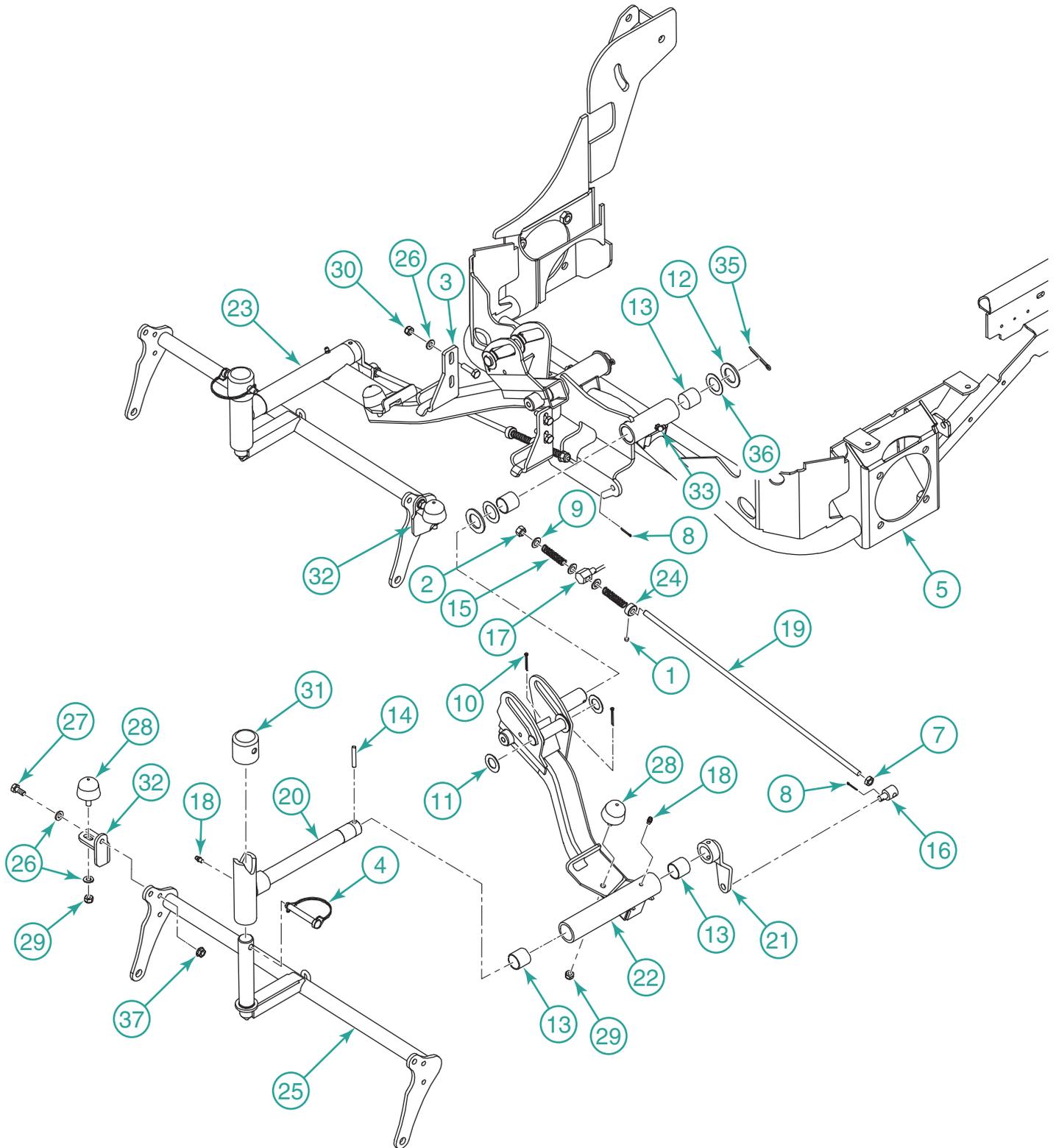


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	001496044	1	Pop Rivet (SS), 4.8 x 12 mm	
2	4164620	1	Base Toolbox	
3	450324	2	Hex Nut, 5/16-18 (Grade 8)	
4	450191	2	Hex Screw, M8 x 20 mm	
5	450377	4	Hex Nut, M6 (Grade 8)	
6	450390	6	Washer, M8 x 17 x 1.8 mm	
7	450411	4	Lock Washer, M8 x 12.75 x 2 mm	
8	450539	4	Pan Head Screw, M6 x 12 mm (Grade 4.8)	
9	523224	2	Rubber Bumper	
10	523169	1	Toolbox Tread	
11	835039	1	Snap Fastener	
12	840171.07	1	Box Cover	
13	840172	1	Hinge	
14	450378	2	Hex Nut, M8 (Grade 8)	
15	MBG4795	1	Step Pad, LH	
16	4238889	1	Foot Step Weldment	
17	450192	2	Hex Screw, M8 x 25 mm	

> Change from previous revision

52.1 Front Lift Group

Illustration Number: 4146376-F

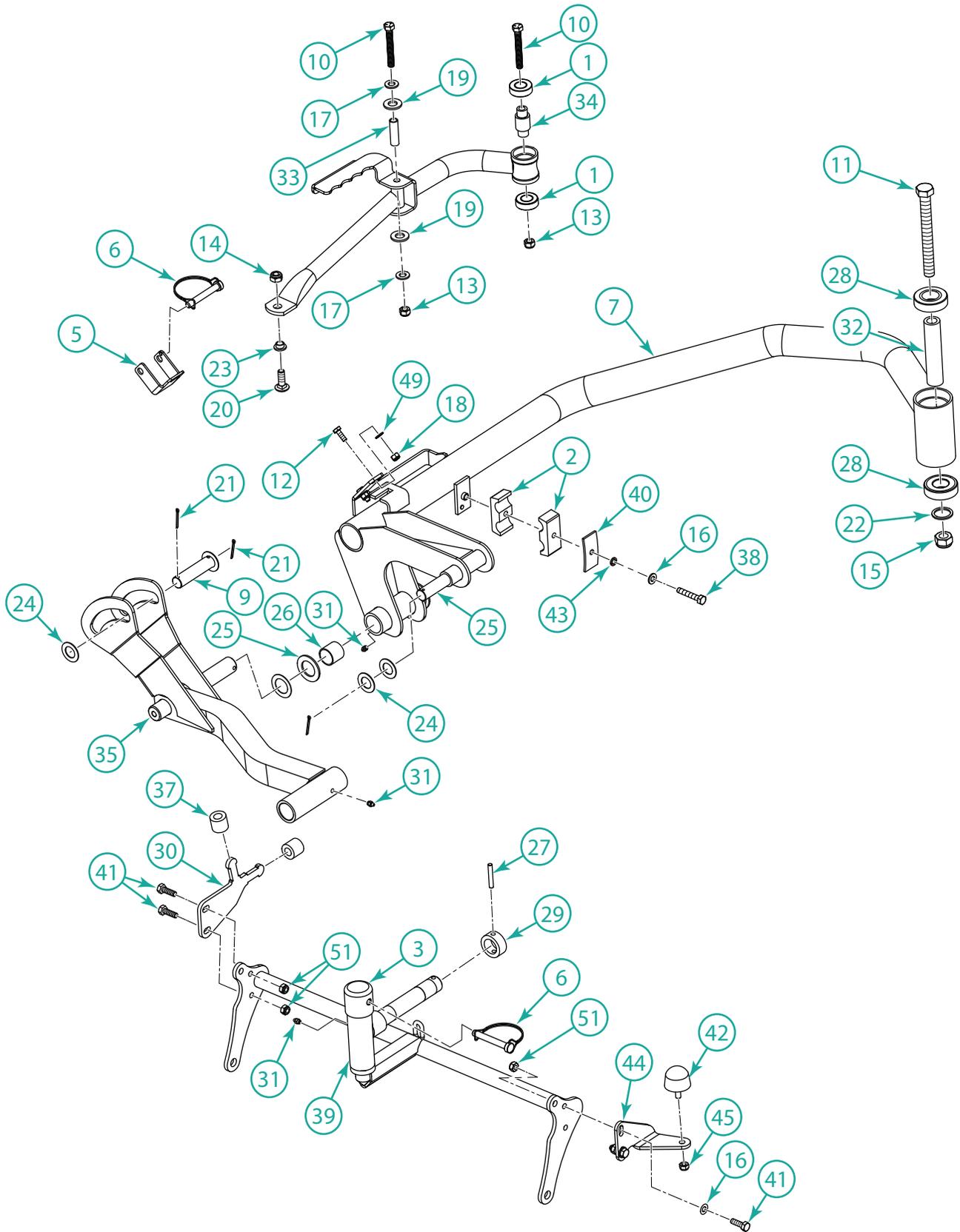


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	001290379	2	Set Screw, 1/4-20 x 1/4	
2	001399105	2	Hex Nut, 3/8-24 Nyloc	
3	4143905	2	Front Bumper Bracket	
4	4183344	2	Pin Lynch, .375" x 2.75"	
5	4218440	1	Chassis Weldment	
6	4237382	4	Cylinder Pivot	
7	450020265	2	Hex Nut, 3/8-24 Thin	
8	451225	4	Split Pin, 2.5 x 20	
9	452000326	14	Washer, 3/8 x 3/4 x .072	
10	454000297	8	Split Pin, 1/8 x 1-1/4	
11	548168	14	Washer	
12	548173	4	Washer, 1 x 1-3/4 x 0.1	
13	4137197	8	Oilite Bush	
14	001490870	2	Spirol Pin, 1/4" x 1-3/4"	
15	814499	4	Parking Brake Spring	
16	839181	2	Connecting Rod Pin	
17	841203	2	Connecting Rod Pin	
18	002993013	4	Lubricator, M6 Straight	
19	842471	2	Rod Threaded 38-24	
20	892175	2	Pivot - Fronthead Steering	
21	893787	2	Arm AY, Link	
22	893857.07	1	Arm AY, LH Front Lift	
23	893858.07	1	Arm AY, RH Front Lift	
24	MBF0654A	2	Set Collar	
25	4154140	2	Frame AY, Head Steering	
26	450390	4	Washer, M8 x 17 x 1.8	
27	400184J	4	Hex Screw, 5/16-18 x 3/4	
28	523126	4	Rubber Bumper	
29	001393222	4	Hex Nut, 5/16-18 Nyloc	
30	450378	4	Hex Nut, M8 Nyloc (Grade 8)	
31	4126779	2	Cap	
32	841466.06	2	Bumper Front Bracket	
33	002993160	2	Lubricator, M6 x 90 Deg	
34	450193	4	Hex Screw, M8 x 30	
35	454000572	2	Split Pin, 3/16 x 1 3/4	
36	001593072	4	Thrust Washer, 1 x 1.562 x .030/.032	
37	001393010	4	Hex Nut, 5/16-18	

> Change from previous revision

53.1 Rear Swing Arm

Illustration Number: 4233941-F

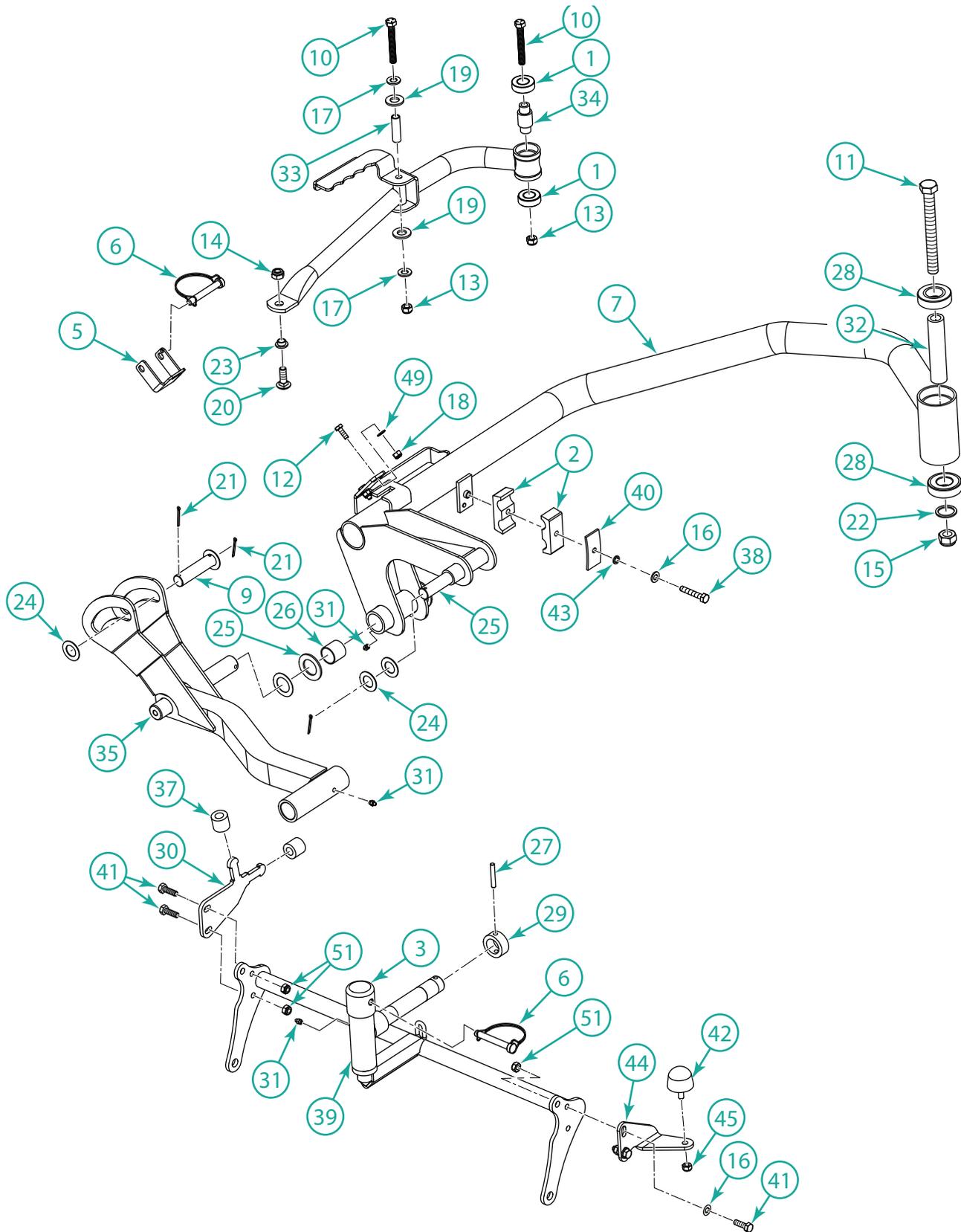


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	677808	2	Bearing Ball, 1.38 O.D x.63 I.D	(Not Illustrated)
2	008089500	1	Bore Hose Clamp, 5/8	
3	4126779	1	Rubber Cap	
4	4154140	1	Frame AY, Head Steering	
5	4159561	1	Bracket-Latch Lock	
6	4183344	2	Pin-Lynch 0.375 x 2.75	
7	4233921	1	Weldment Arm, Swing	
8	4237343	1	Pivot Weldment Arm	
9	4237382	1	Cylinder Pivot	
10	456110375	2	Hex Bolt, M8 x 75	
11	450083	1	Hex Bolt, M16 x 150	
12	456110016	2	Hex Screw 1/4-20 x 3/4	
13	450378	2	Hex Nut, M8 Nyloc	
14	450379	2	Hex Nut, M10 Nyloc (Grade 8)	
15	450382	1	Hex Nut, M16 Nyloc (Grade 8)	
16	450390	1	Washer, M8 x 17 x 1.8	
17	450391	1	Washer, M10 x 21 x 2.2	
18	001399121	2	Hex Nut, M6	
19	452101285	2	Washer, 1/2 x 1-1/8 x 0.104	
20	452586	1	Bolt-CRG M10 x 30	
21	454000297	3	Split-Pin- 1/8 x 1-1/4	
22	522840	1	Washer, Thrust 1 x 1.281 x 0.083	
23	524215	1	Bushing, Turf Guard	
24	548168	7	Washer	
25	548173	2	Washer, 1 x 1-3/4 x 0.1	
26	4137197	4	Oilite Bush	
27	001490870	1	Pin-Spirol 1/4 x 1-3/4	
28	832499	2	Ball Bearing, .98 x 2.05 x .59	
29	839410	1	Bushing, Spring Stop	
30	4303533	1	Bracket - Unit Stop	
31	842000044	2	Lubricator-1/4	
32	843181	1	Spacer, Bearing	
33	843185	1	Bushing Pivot	
34	677680	1	Spacer, Bearing	
35	893856.07	1	Arm AY, Centre Lift	
	4137197	2	• Oilite Bush	
36	894141.06	1	Link ASM - Arm	
37	517163	2	Spacer, .891 (23mm)	
38	450017	1	Hex Bolt, M8 x 55	
39	893859	1	Pivot AY, Rear Head (PLATED)	
40	009079310	1	Top Plate-Tube Clamp	
41	450192	4	Hex Screw, M8 x 25	
42	523126	1	Bumper, Rubber	
43	450411	1	Lock Washer, M8 x 12.75 x 2	
44	4261950	1	Mount-LH Rear Frame Stop	

> Change from previous revision

53.1 Rear Swing Arm (Continued)

Illustration Number: 4233941-F

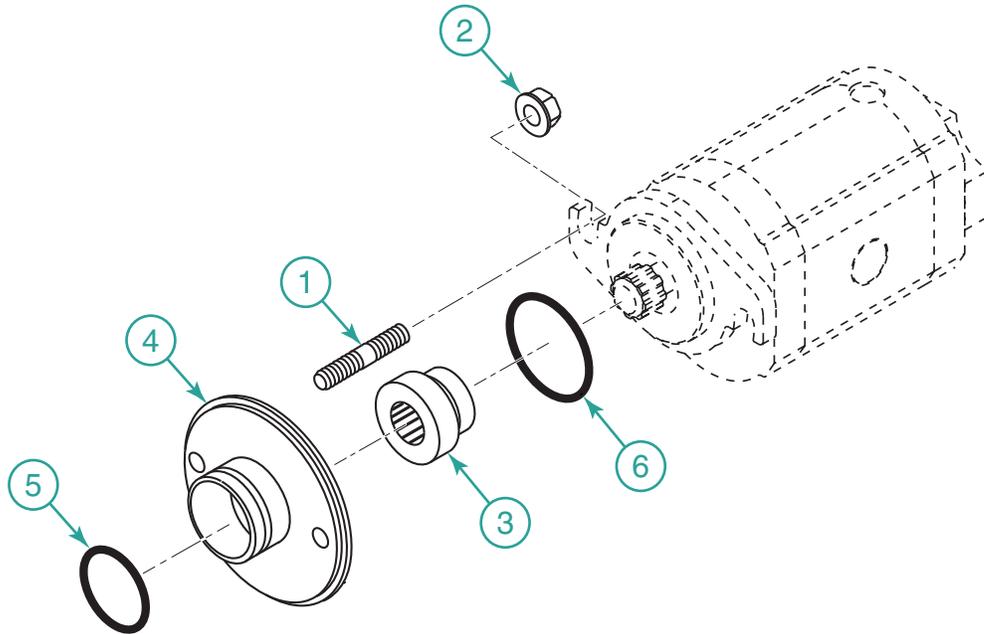


Item	Part No.	Qty.	Description	Serial Numbers/Notes
45	001393222	1	Hex Nut, 5/16-18 Nyloc	
46	838476	1	Latch, Draw	
47	800352	1	C Bolt, 5/16 - 18 (Grade 2)	
48	450120021	2	Hex Nut, 5/16 - 18 (Grade 1)	
49	452000211	2	Washer, 1/4 x 9/16 x .056	
50	001593072	1	Thrust Washer, 1 x 1.562 x .030/.032	
51	450378	4	Hex Nut, M8 - 1.25 (Grade 8)	

> Change from previous revision

54.1 Classic XP Motor Mounting

Illustration Number: 894991-A

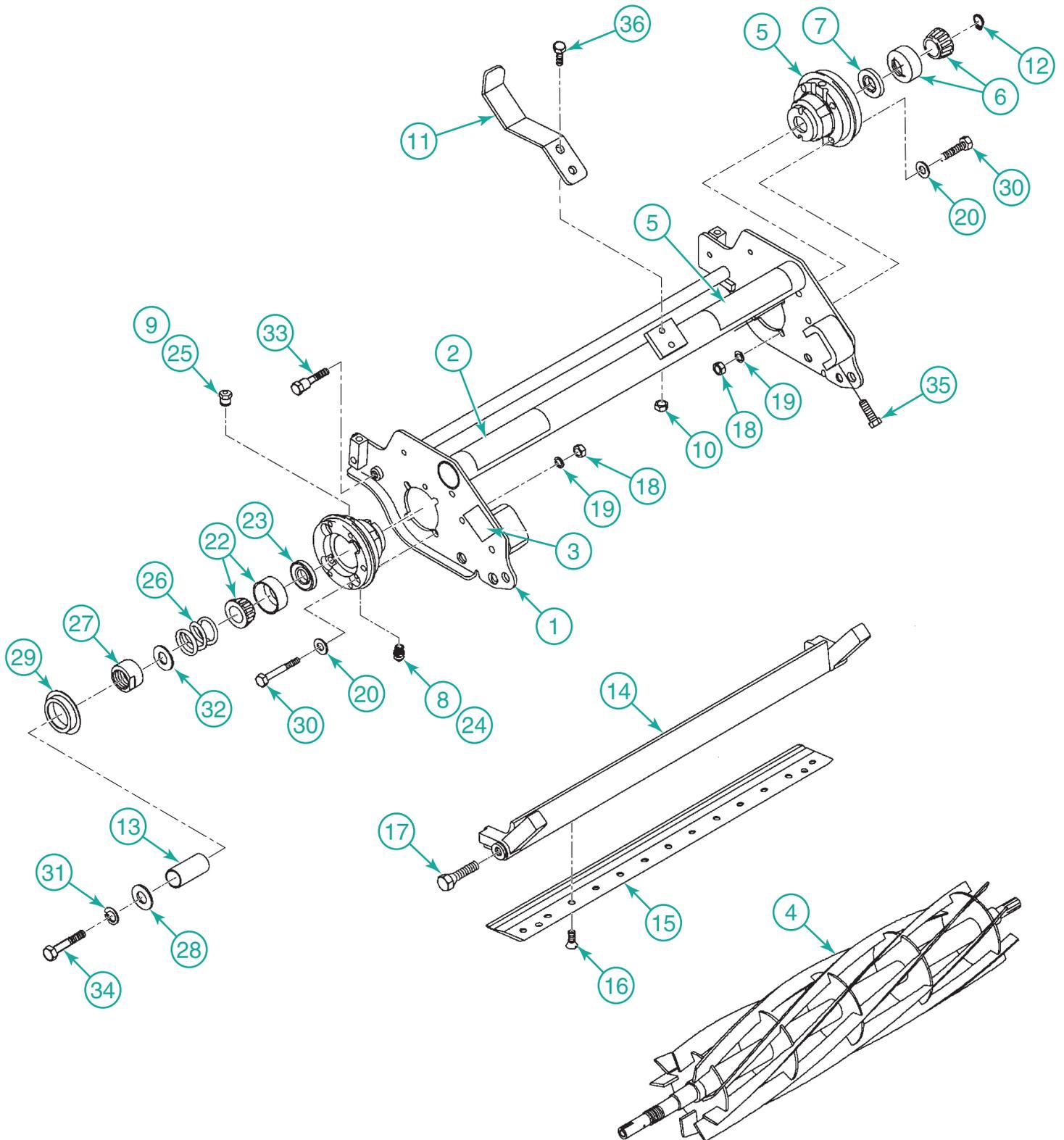


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	800904	2	Stud	
2	001393010	2	Hex Nut, 5/16	
3	4247911	1	Coupling Drive	
4	845278	1	Adapter Plate	
5	845279	1	O Ring Seal, 1.49 I.D x 0.07	
6	845280	1	O Ring Seal, 1.99 I.D x 0.07	

> Change from previous revision

55.1 Classic XP Cutting Head

Illustration Number: 067135-36-37

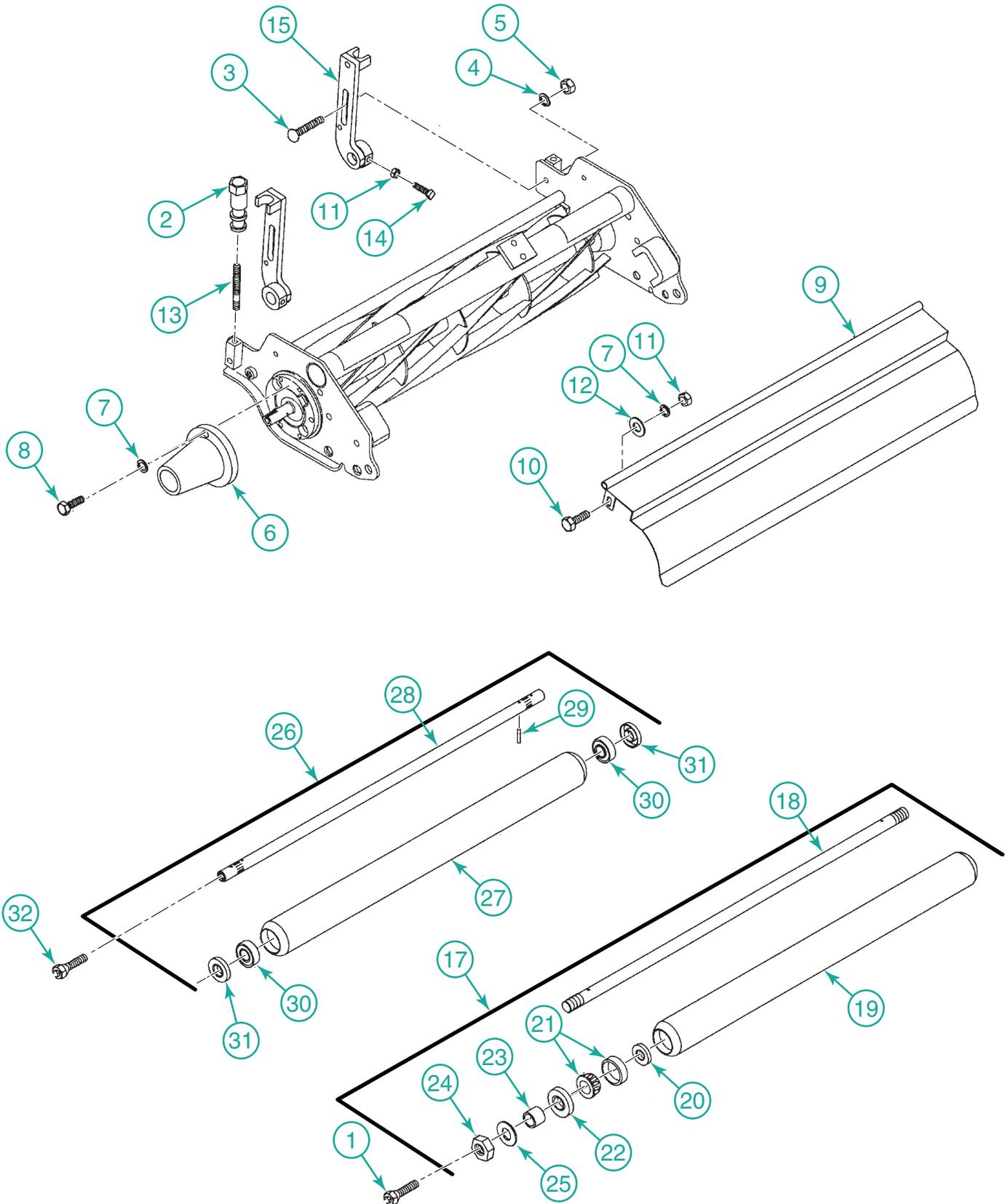


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	5003577	1	Frame, Reel	
2	361877	2	• Decal, Danger	
3	1000997	1	• Decal, Warning	
4	5003053	1	7 Blade Reel 67037 Only	
4	5001099	1	9 Blade Reel 67038 Only	
4	5001101	1	11 Blade Reel 67024 Only	
5	1004756	1	Bearing Housing	
6	500534	1	• Bearing, Cup and Cone	
7	336962	1	• Seal, Grease	
8	471214	1	• Lubricator	
9	471240	1	• Fitting, Vent	
10	445795	2	• Spirallock Locknut, 15/16-18	
11	3010293	1	Stop, Mower	
12	458013	1	Snap Ring	
13	367164	1	Spacer	
14	5000415	1	Bedknife Backing	
15	5002771	1	Bedknife, Fairway	
	503477	1	Bedknife, High Profile	
	503478	1	Bedknife, Low Profile	
	503479	1	Bedknife, Tournament	
16	3009138	13	Flat Head Screw, 1/4-20 x 1/2"	
17	315298	2	Bolt, 7/16 x 3/4"	
18	446136	8	Lock Washer 5/16"	
19	443106	8	Nut, 5/16-18 Hex	
20	453009	4	Flat Washer, 5/16	
21	1000480	1	Bearing Housing	
	2000060	1	• Housing	
22	500534	1	• Bearing, Cup and Cone	
23	336962	1	• Seal, Grease	
24	471214	1	• Grease Fitting	
25	471240	1	• Vent Fitting	
26	5002151	1	Compression Spring	
27	364900	1	Reel Nut	
28	453011	1	Flat Washer, 3/8"	
29	163892	1	Seal	
30	400192	8	Hex Head Screw, 5/16-18 x 1-1/2"	
31	446142	1	Lock Washer, 3/8 Heavy	
32	304745	1	Washer	
33	365246	1	Bolt, Shoulder	
34	400294	1	Hex Head Screw, 3/8-24 x 1"	
35	412503	4	Square Head Screw, 3/8-16 x 1-1/4"	
36	400184	2	Hex Head Screw, 5/16-18 x 3/4"	

> Change from previous revision

56.1 Classic XP Rear Rollers

Illustration Number:

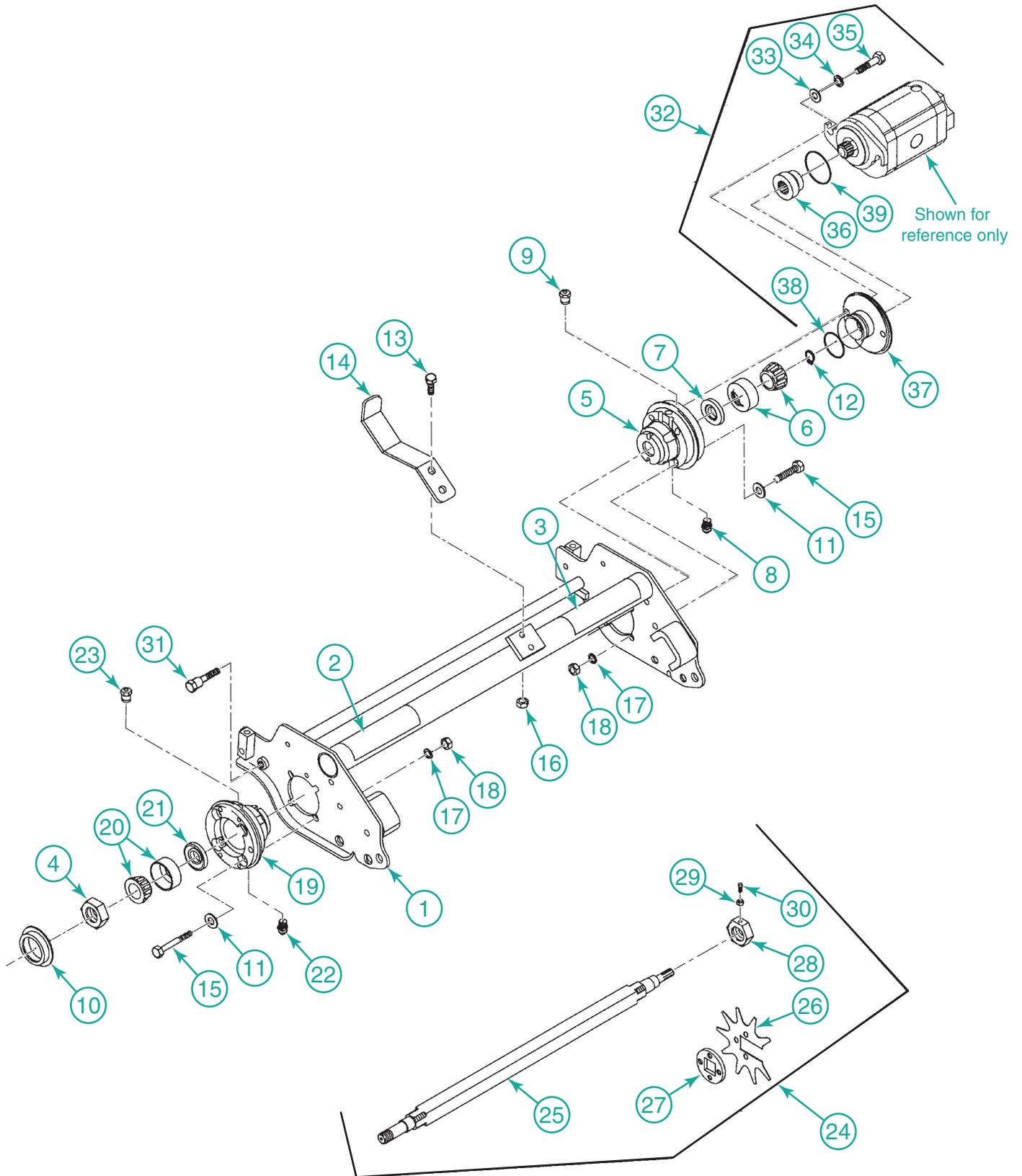


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	1002224	2	Zerk Bolt	
2	3005692	2	Front Roller Adjusting Knob	
3	441674	2	Carriage Bolt, 5/16-18 x 1-3/4"	
4	446136	2	Lock Washer, 5/16"	
5	443106	2	Nut, 5/16-18	
6	2000065	1	Casting, Counterweight	
7	446130	1	Lock Washer, 1/4 Heavy	
8	400110	2	Hex Head Screw, 1/4-20 x 7/8"	
9	2810043	1	Shield, Reel	
10	400018	2	Screw, 1/4-20 x 3/4	
11	443102	4	Hex Nut, 1/4-20	
12	453023	2	Washer, 1/4"	
13	343616	2	Stud	
14	352737	2	Screw, 1/4-20 x 7/8" Square Head	
15	3008438	1	Roller Bracket, Right Side	
16	3008439	1	Roller Bracket, Left Side	
17	1000770	1	Roller, Rear	7 Blade Reels
18	3001654	1	• Shaft, Roller	
19	3001655	1	• Tube, Roller	
20	3001656	2	• Seal	
21	5000625	2	• Bearing	
22	300983	2	• Seal	
23	3001762	2	• Sleeve	
24	445718	2	• Locknut 5/16	
25	3000698	2	• Washer	
26	1004990	1	Roller, Rear	9 & 11 Blade Reels
27	131426	1	Roller, Tube & Hub Assembly	
28	3010422	0	Roller Shaft	
29	461359	2	• Pin roll, 1/8 x 3/4	
30	3010712	2	Ball Bearing	
31	3010286	2	Oil-seal	
32	1002226	2	Zerk Bolt	
33	158568	1	Gauge, Bed knife	(Not Illustrated)

> Change from previous revision

57.1 Verticut Head

Illustration Number: 67138-E

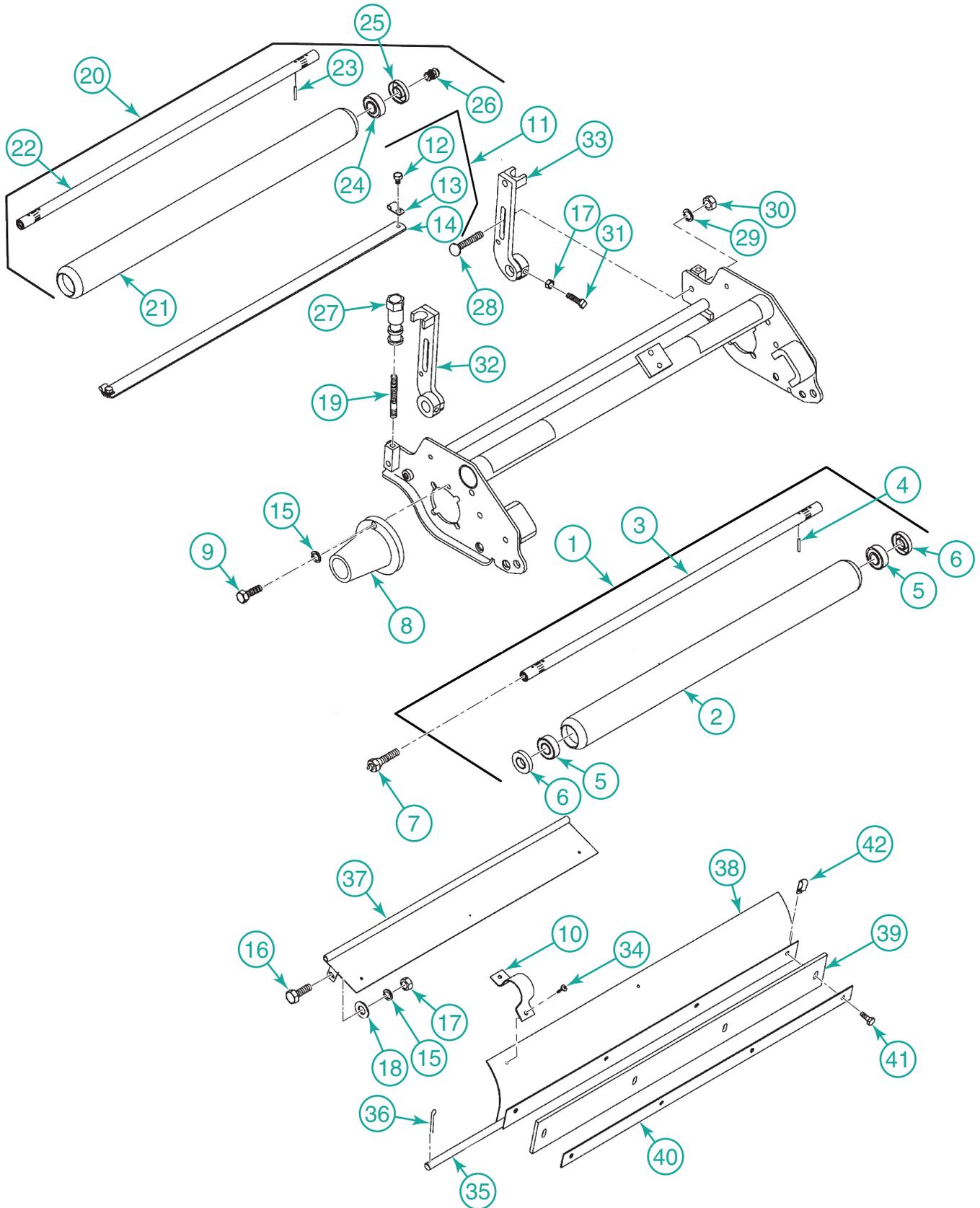


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	5002577	1	Reel Frame	
2	361877	2	• Danger Decal	
3	351738	1	• Caution Decal	
4	444742	1	Locknut, 3/4-16	
5	1004756	1	Housing Assembly Bearing	
6	500534	1	• Cup and Cone Bearing	
7	336962	1	• Seal	
8	471214	1	• Grease Fitting	
9	471240	1	• Vent Fitting	
10	1003467	1	Seal	
11	453009	4	Washer, 5/16	
12	458013	1	Snap Ring	
13	400184	2	Screw, 5/16-18 x 3/4	
14	3010293	1	Mower Stop	
15	400192	8	Screw, 5/16-18 x 1 1/2	
16	445795	2	Spirallock Flange Nut, 5/16-18	
17	446136	8	Lock Washer, 5/16	
18	443106	8	Nut, 5/16-18	
19	1000480	1	Housing Assembly Bearing	
	2000060	1	• Housing	
20	500534	1	• Cup and Cone Bearing	
21	336962	1	• Grease Seal	
22	471214	1	• Grease Fitting	
23	471240	1	• Vent Fitting	
24	1002560	1	Vertical Mower	
25	131161	1	• Shaft and Collar Assembly	
26	335449	26	• Blade	
27	352221	77	• Blade Spacer	
28	352437	1	• Blade Clamp Nut	
29	443106	1	• Nut, 5/16-18	
30	412017	1	• Square Head Screw, 5/16-18 x 3/4"	
31	365246	2	Shoulder Bolt	
32	894991	1	Motor Adapter Kit	
33	103867	2	• Washer, 5/16"	
34	306325	2	• Lock Washer, 5/16"	
35	306501	2	• Screw, 5/16-18 x 1 1/2	
36	4247911	1	• Coupling Drive	
37	845278	1	• Motor Adapter	
38	845279	1	• O-Ring Seal, 1.49 I.D. x .07	
39	845280	1	• O-Ring Seal, 1.99 I.D. x .07	

> Change from previous revision

58.1 Rear Roller & Scraper Verticut

Illustration Number: 67138-E

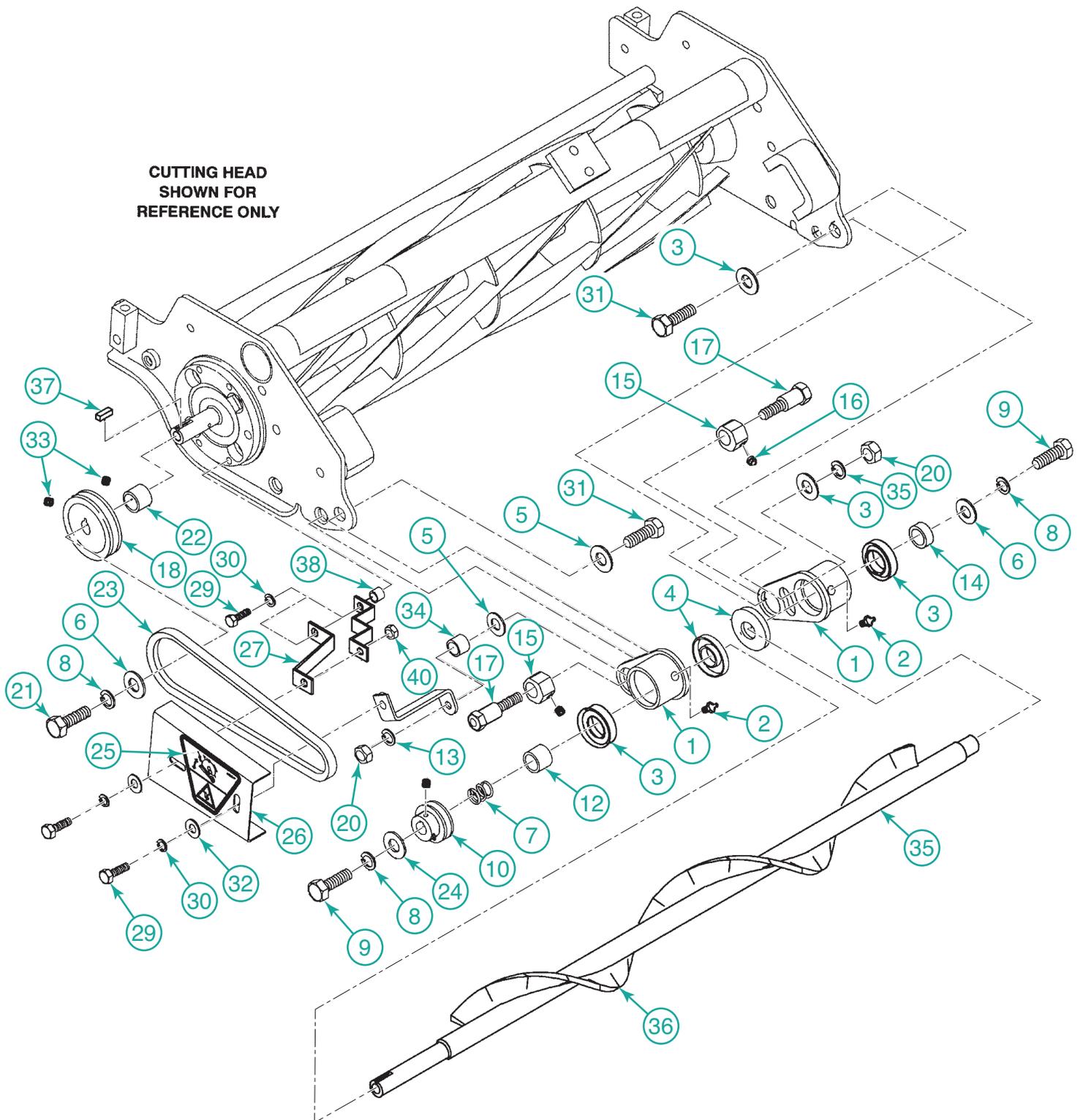


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	1004990	1	Rear Roller	
2	5002814	1	• Roller Tube	
3	3010422	1	• Shaft	
4	461359	2	• Roll Pin, 1/8 x 3/4"	
5	3010712	2	• Bearing	
6	3010286	2	• Seal	
7	1002224	2	Zerk Bolt	
8	2000065	1	Counterweight Casting	
9	400110	2	Screw, 1/4 - 20 x 7/8"	
10	351520	3	Clip	
11	102024	1	Front Roller Scraper	
12	407586	2	• Pan Head Screw, 1/4 - 20 x 7/8"	With Lock Washer
13		2	• Clamp	Not Serviced
14		2	• Scraper Bar	Not Serviced
15	446130	4	Lock Washer, 1/4"	
16	404018	2	Truss Head Screw, 1/4-20 x 3/4"	
17	443102	4	Nut, 1/4-20	
18	453023	2	Washer, 1/4	
19	343616	2	Stud	
20	1004991	1	Front Roller	
21	5002814	1	• Roller Tube	
22	3010621	1	• Shaft	
23	461359	2	• Roll Pin, 1/8 x 3/4"	
24	3010712	2	• Bearing	
25	3010286	2	• Seal	
26	471214	2	• Grease Fitting	
27	3005692	2	Front Roller Adjusting Knob	
28	441674	2	Carriage Bolt, 5/16-18 x 1.75"	
29	446136	2	Lock Washer, 5/16"	
30	443106	2	Nut, 5/16-18	
31	352737	2	Square Head Screw, 1/4 - 20 x 7/8"	
32	3008438	1	Roller Bracket	
33	3008439	1	Roller Bracket	
34	409020	6	Self Tapped Screw, #10 x 3/8"	
35	351521	1	Rod	
36	460026	2	Cotter Pin	
37	3009922.6	1	Front Grass Shield	
38	3005373.6	1	Rear Grass Shield	
39	351522	1	Scraper	
40	351526	1	Scraper Retainer	
41	400106	4	Screw, 1/4-20 x 5/8"	
42	45260	4	Speed Nut	

> Change from previous revision

59.1 Rear Roller Cleaning Brush

Illustration Number: 062820-E



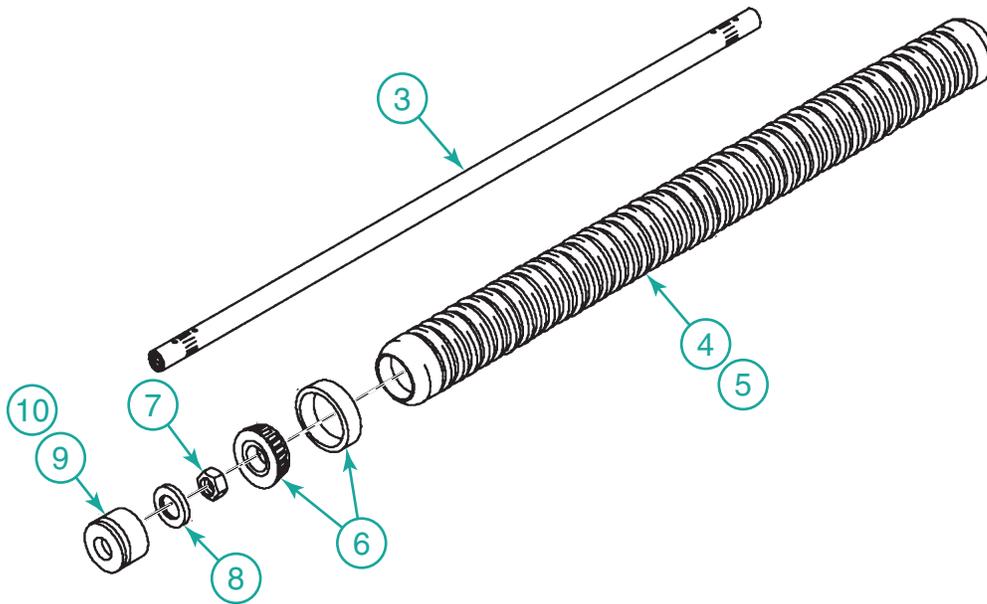
Counter Balance Weight Kit
see section: Kit Counter weight: Prt No. 4257240

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4223938	2	Bearing housing Bracket	
2	471214	2	• Grease Fitting, 1/4-28	
3	4223930	2	• Bearing with seal	
4	338763	2	• Oil Seal	
5	364441	5	Spacer	
6	453011	2	Washer, 3/8"	
7	363818	1	Spring	
8	446142	3	Lock Washer, 3/8"	
9	400258	2	Screw, 3/8-16 x 3/4"	
10	4182082	1	Pulley, Brush Shaft	
11	415522	1	• Set Screw, 5/16-18 x 3/8	
12	365294	1	Spacer, 1 1/8" long	
13	446136	2	Lock Washer, 5/16"	
14	365293	1	Spacer, 9/64" long	
15	3008039	2	Eccentric Adjusting Nut	
16	415509	2	• Set Screw, 1/4-20 x 1/4"	
17	1002225	2	Roller Mounting Bolt	
17	1002228	2	Roller Mounting Bolt	
18	338758	1	Reel Shaft Pulley	
19	400188	1	Screw, 5/16-18 x 1"	
20	443106	2	Nut, 5/16-18	
21	400298	1	Screw, 3/8-24 x 1"	
22	365295	1	Spacer, 27/32" long	
23	364120	1	Belt	
24	452008	1	Washer, 7/16	
25	4181863	1	Decal	
26	5001067	1	Belt Shield	
27	1002767	1	Brace, Shield	
28	1002768	1	Brace, Shield	
29	400108	2	Screw, 1/4-20 x 3/4"	
30	446130	3	Lock Washer, 1/4	
31	400190	1	Screw, 5/16-18 x 1.25"	
32	453023	2	Washer, 1/4"	
33	415522	4	Set Screw, 5/16-18 x 3/8"	
34	3005970	1	Long Spacer	
35	4287032	1	Brush Assembly	
36	4223935	1	• Brush replacement	
37	363016	2	Key, 1/8 x 1/8 x 1/2"	

> Change from previous revision

60.1 Front And Rear Rolls

Illustration Number: 68613-68614



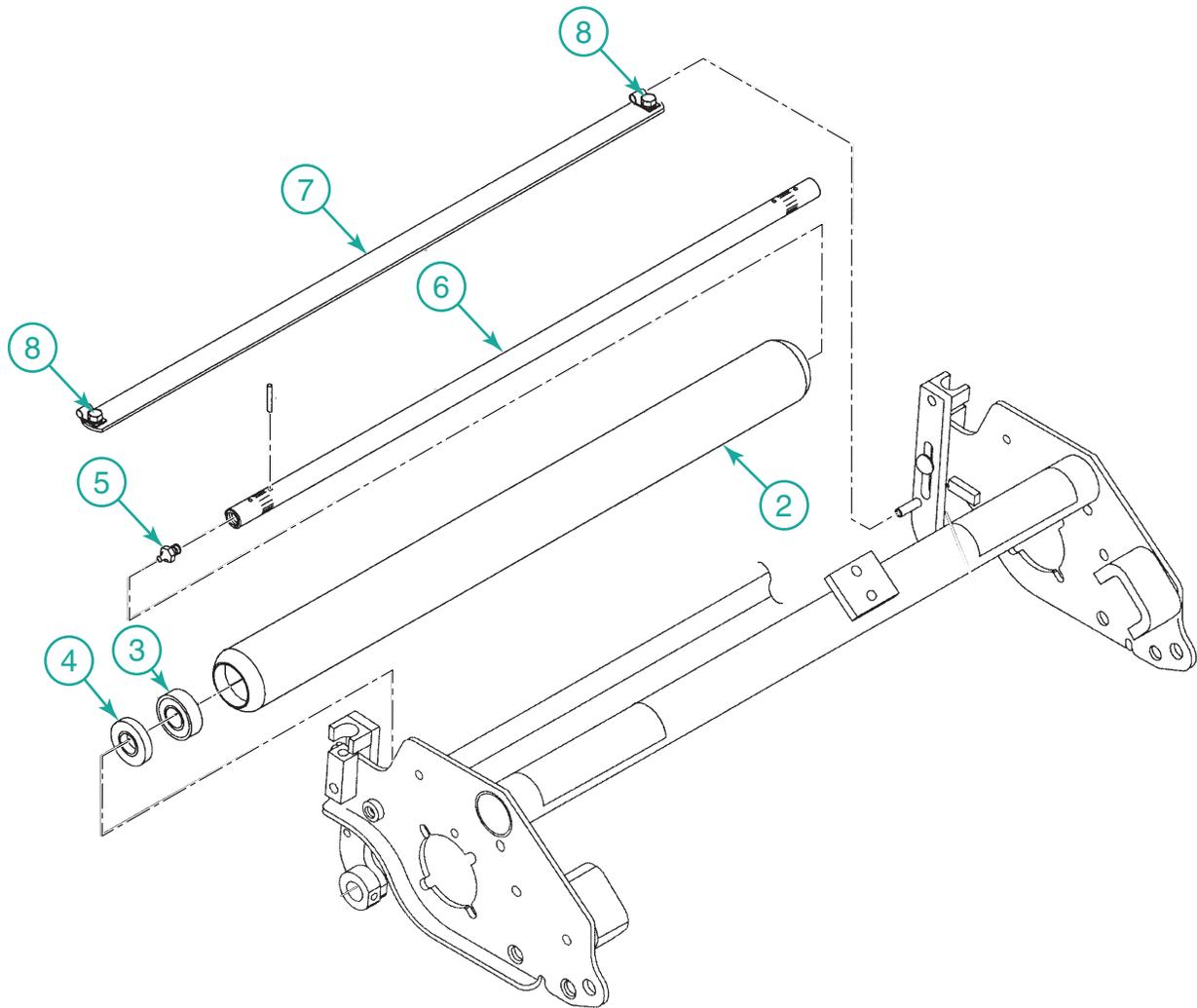
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	68613	1	Grooved Steel Roll	
2	68614	1	Grooved Aluminium Roll	
3	3000012	1	• Rear Roller Shaft	
4	3000013	1	• Grooved Steel Roller	
5	3000394	1	• Grooved Aluminum Roller	
6	503378	2	• Cup And Cone Bearing	
7	367029	2	• Locknut, 3/4-16	
8	3000026	2	• Grease Seal	
9	3000010	2	• Adapter Seal	Used with Steel Roller
10	3000543	2	• Adapter Seal	Used with Aluminum Roller

> Change from previous revision

61.1 Smooth Roller (Light), With Scraper 55.9 cm (22")

Serial No. All

Illustration Number: 68530

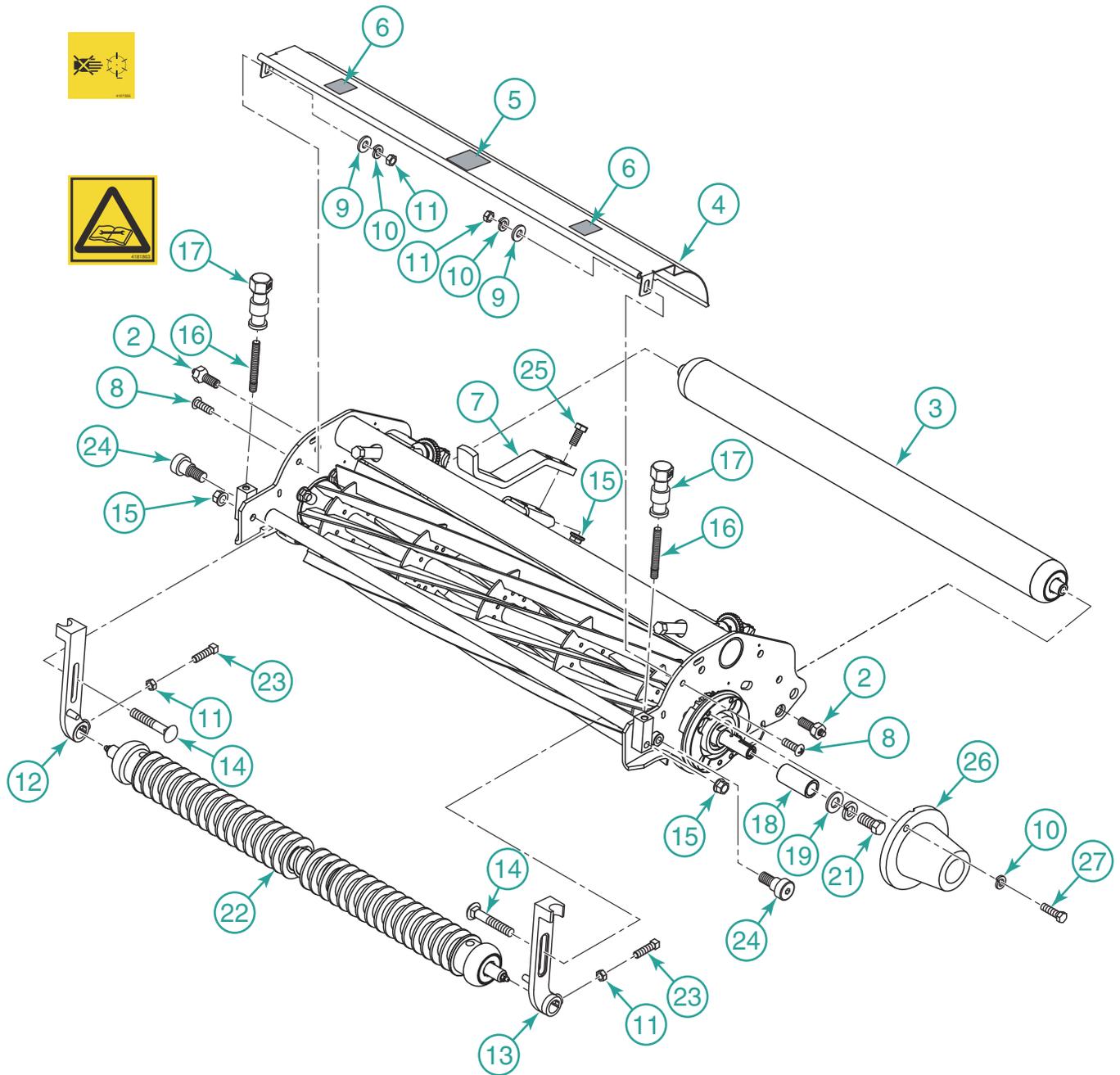


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	1004991	1	Front Roller Assembly	
2	131426	1	• Smooth Roller	
3	3010712	2	• Bearing Ball	
4	3010286	2	• Oil Seal	
5	471214	2	• Grease Fitting, 1/4 - 28	
6	3010621	1	• Roller Shaft	
7	2500022	1	Scraper Blade	
8	407586	2	Screw, 1/4-20 x 5/16	

> Change from previous revision

62.1 True Set Outer Reel

Illustration Number:

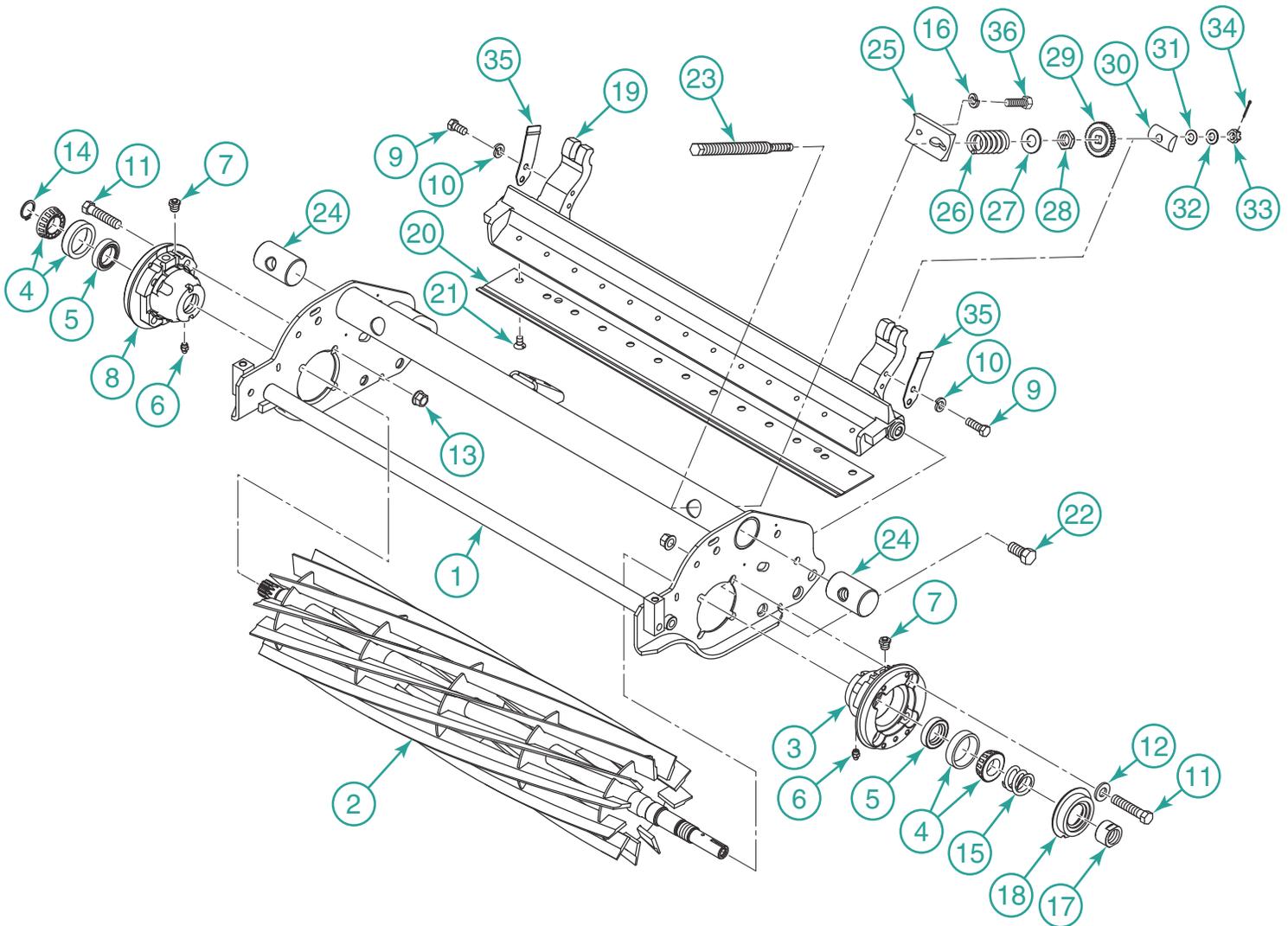


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	REF	1	Inner Reel	
2	1002224	2	Zerk Bolt	
3	1004990	1	Rear Roller, 22"	
4	4370186	1	Deflector Shield	
5	4181863	1	Service Manual Decal	
6	4127335	2	Danger Decal	
7	3010293	1	Reel Stop	
8	403782	2	Truss Head Screw, 1/4-20 x 3/4"	
9	453023	2	Flat Washer, 1/4"	
10	446130	4	Lock Washer, 1/4"	
11	443102	4	Hex Nut, 1/4-20	
12	3008438	1	Bracket, Front Roller RH	
13	3008439	1	Bracket, Front Roller LH	
14	441674	2	Carriage Bolt, 5/16-18 x 1-3/4"	
15	445795	8	Flange Nut, 5/16-18	
16	343616	2	Stud, Front Roller Adjuster	
17	3005692	2	Knob, Front Roller Adjuster	
18	367164	1	Spacer	
19	453011	1	Flat Washer, 3/8	
20	446142	1	Lock Washer, 3/8 Heavy	
21	400294	1	Screw, 3/8-24 x 1" Hex Head	
22	REF	1	Front Roller	Not Included with reel
23	352737	2	Set Screw, 1/4-20 x 7/8"	
24	365246	2	Shoulder Bolt	
25	400184	2	Hex Head Screw, 5/16-18 x 3/4"	
26	2000065	1	Casting Counterweight	
27	400110	2	Hex Head Screw, 1/4-20 x 7/8"	

> Change from previous revision

63.1 True Set Inner Reel

Illustration Number: 062849-C, 062834-C, 062835-C, 062836-C



Standard Style Bedknives (Secured with screws)

Part Number	Description
▲ 5003150	22" Medium Section
503477	22" High Profile
◆ 503478	22" Low Profile
503479	22" Tournament
● 5002887	22" Super Tournament
4234900	22" Championship

- ▲ Standard Bedknife (7 Blade)
- ◆ Standard Bedknife (9 Blade)
- Standard Bedknife (11 and 15 Blade)

Optional MagKnife Bedknives

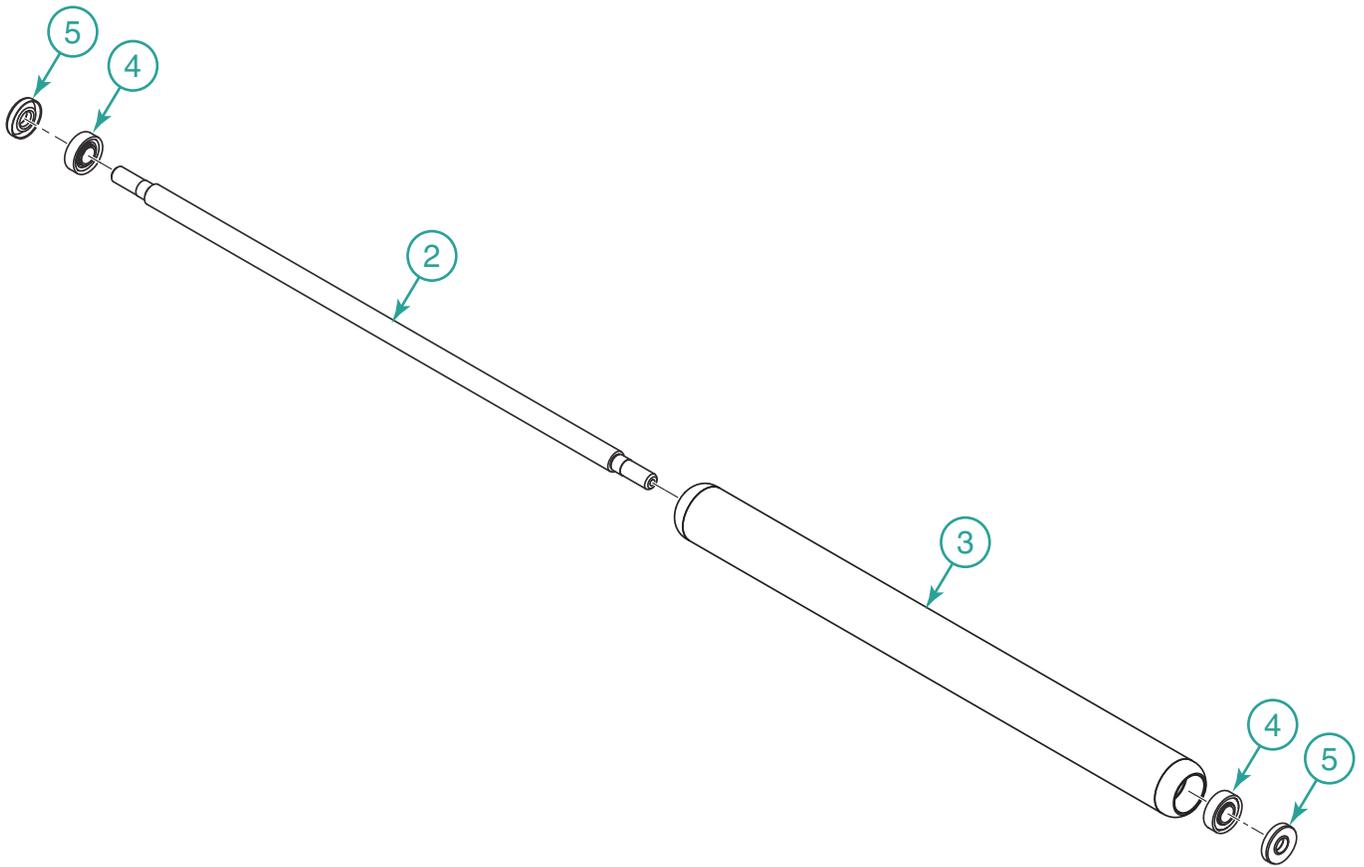
Part Number	Description
4131369	22" High Profile
4131001	22" Low Profile
4131370	22" Tournament
4131003	22" Super Tournament

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4320850	1	Reel Frame, 22"	
2	1003783	1	Reel, 5" 7 Blade	
2	122785	1	Reel, 5" 9 Blade	
2	1000071	1	Reel, 5" 11 Blade	
2	4224541	1	Reel, 5" 15 Blade	
3	1000480	1	Bearing Housing	
4	500534	1	Cup and Cone Bearing	
5	336962	1	Grease Seal	
6	471214	1	Grease Fitting	
7	471240	1	Vent Fitting	
8	1004756	1	Bearing Housing	
9	400104	4	Hex Head Screw, 1/4-20 x 1/2"	
10	446130	4	Lock Washer, 1/4 Heavy	
11	400192	8	Screw, 5/16-18 x 1-1/2" Socket Head	
12	453009	4	Flat Washer, 5/16	
13	445795	8	Nut, 5/16-18 Spirallock Flange	
14	458013	1	Ring, Snap	
15	363047	1	Spring, Compression	
16	446136	2	Lock Washer, 5/16"	
17	364900	1	Nut, 3/4-16 Reel	
18	163892	1	Seal Assembly	
19	4255754	1	Backing, 22" Bedknife	
20	See Chart	1	Bedknife	
21	3009138	13	Bedknife Screw	
22	315298	2	Wheel Bolt, 7/16-20 x 3/4"	
23	4256228	2	Bedknife Adjuster Rod	
24	4320846	2	Internal Trunnion	
25	4320847	2	Tube Spring Cradle	
26	4256231	2	Compression Spring	
27	400051	2	Bellville Washer, 1/2"	
28	400050	2	Hex Jam Nut, 1/2-20 Nylock	
29	4256233	2	Bedknife Adjustment Washer	
30	4256232	2	Trunnion Half	
31	400052	2	Bellville Washer, 5/16	
32	400065	AR	Washer, Shim	
33	400053	2	Hex Slotted Nut, 5/16-24	
34	400074	2	Cotter Pin, .25 x 1.18 x .072	
35	4256230	2	Detent Spring	
36	400186	2	Hex Head Screw, 5/16-18 x .875	

> Change from previous revision

64.1 True Set Rear Roller

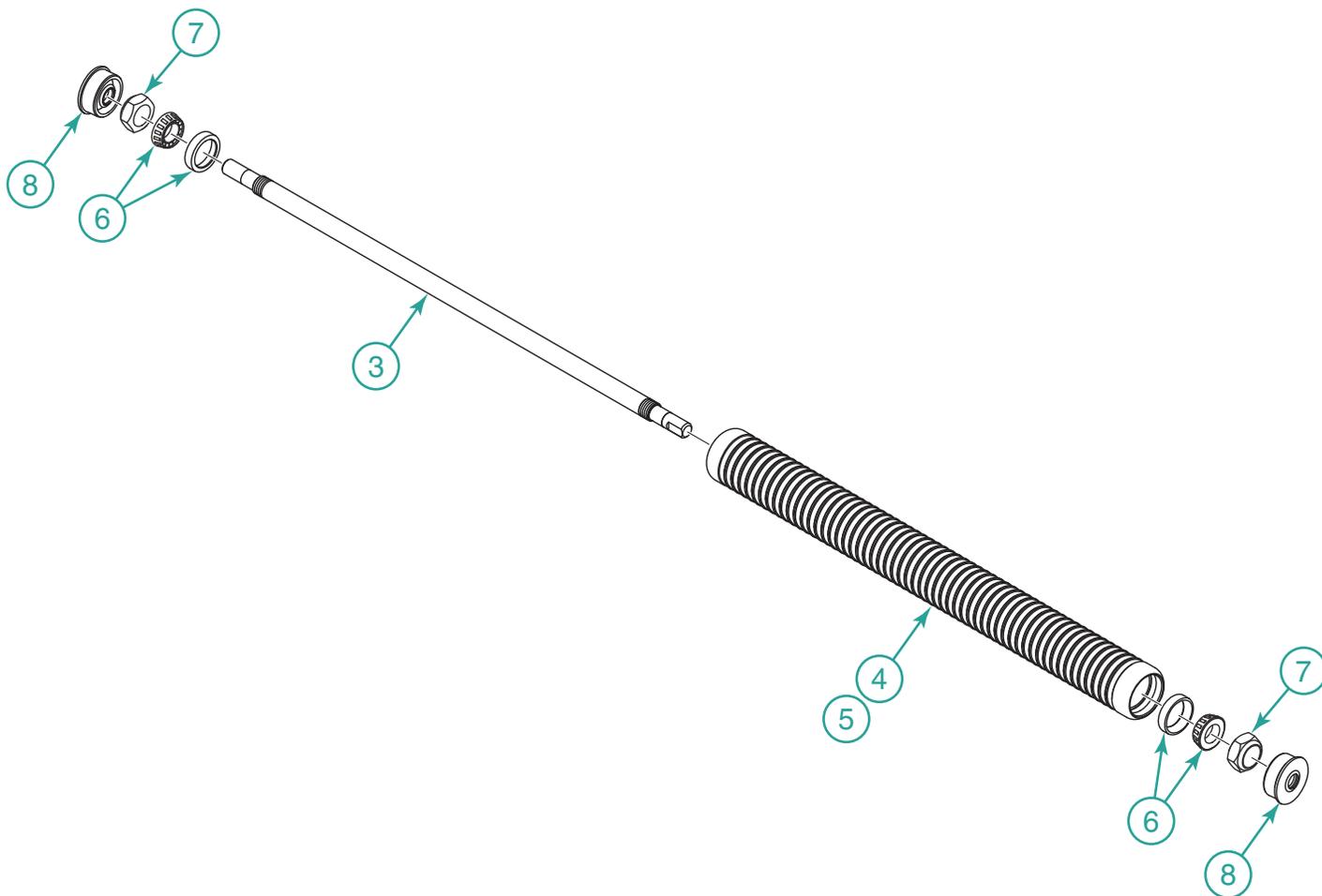
Illustration Number: 1004990-E



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	1004990	1	22" Rear Roller Assembly	
2	3010422	1	• 22" Roller Shaft	
3	5002814	1	• 22" Roller Tube	
4	3010712	2	• Ball Bearing	
5	3010286	2	• Seal	

65.1 True Set Machined Grooved Roller

Illustration Number: 68613-68614

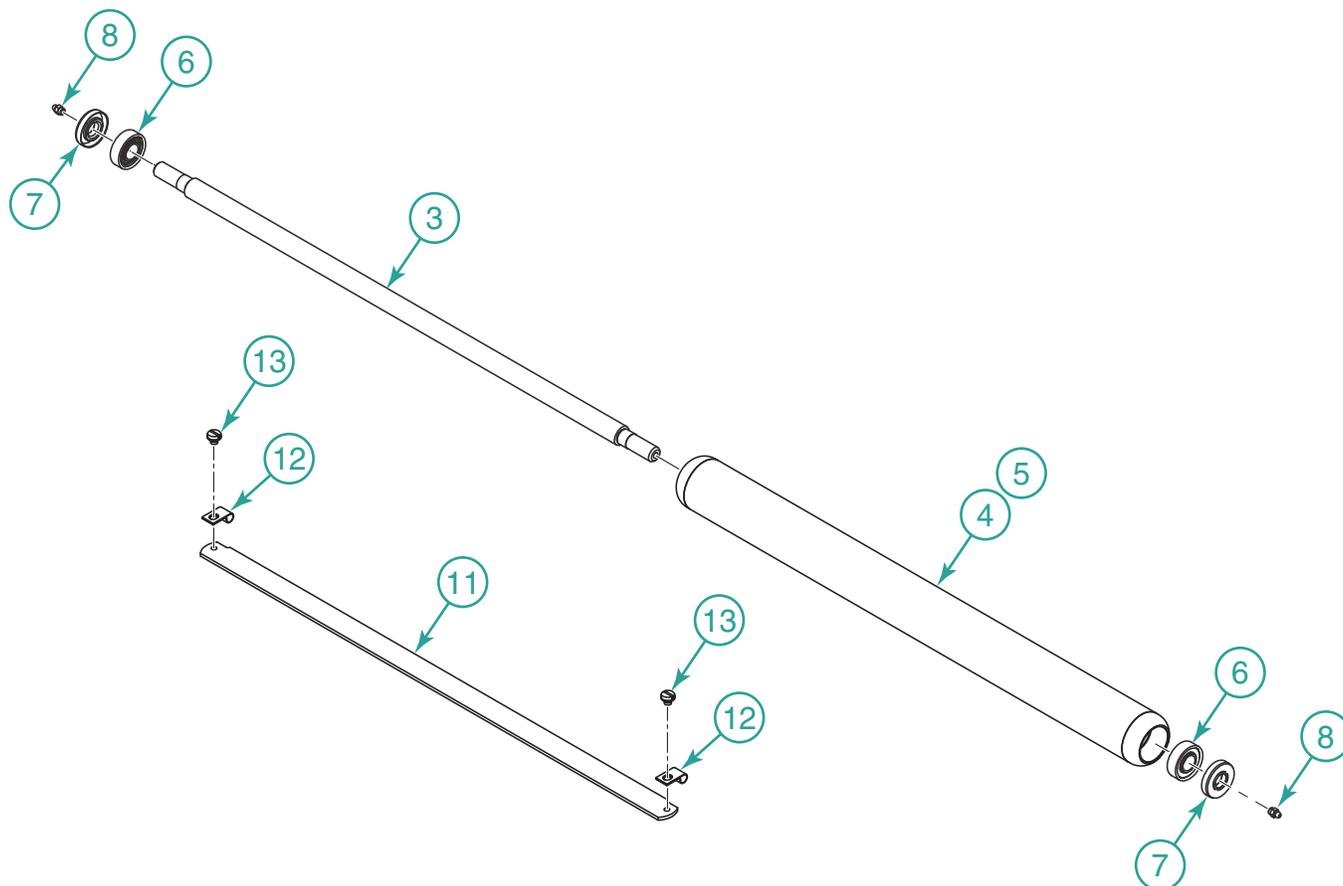


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	68613	1	22" Machined Grooved Steel	
2	68614	1	22" Machined Grooved Aluminum	
3	3009725	1	• Roller Shaft	
4	5002815	1	• Steel Roller	Used on 68613
5	3000394	1	• Aluminum Roller	Used on 68614
6	503378	2	• Cup and Cone Bearing	
7	367029	2	• Locknut, 3/4-16	
8	3010210	2	• Seal Adapter	

> Change from previous revision

66.1 True Set Solid Front Roller

Illustration Number: 68530-F, 68641-E

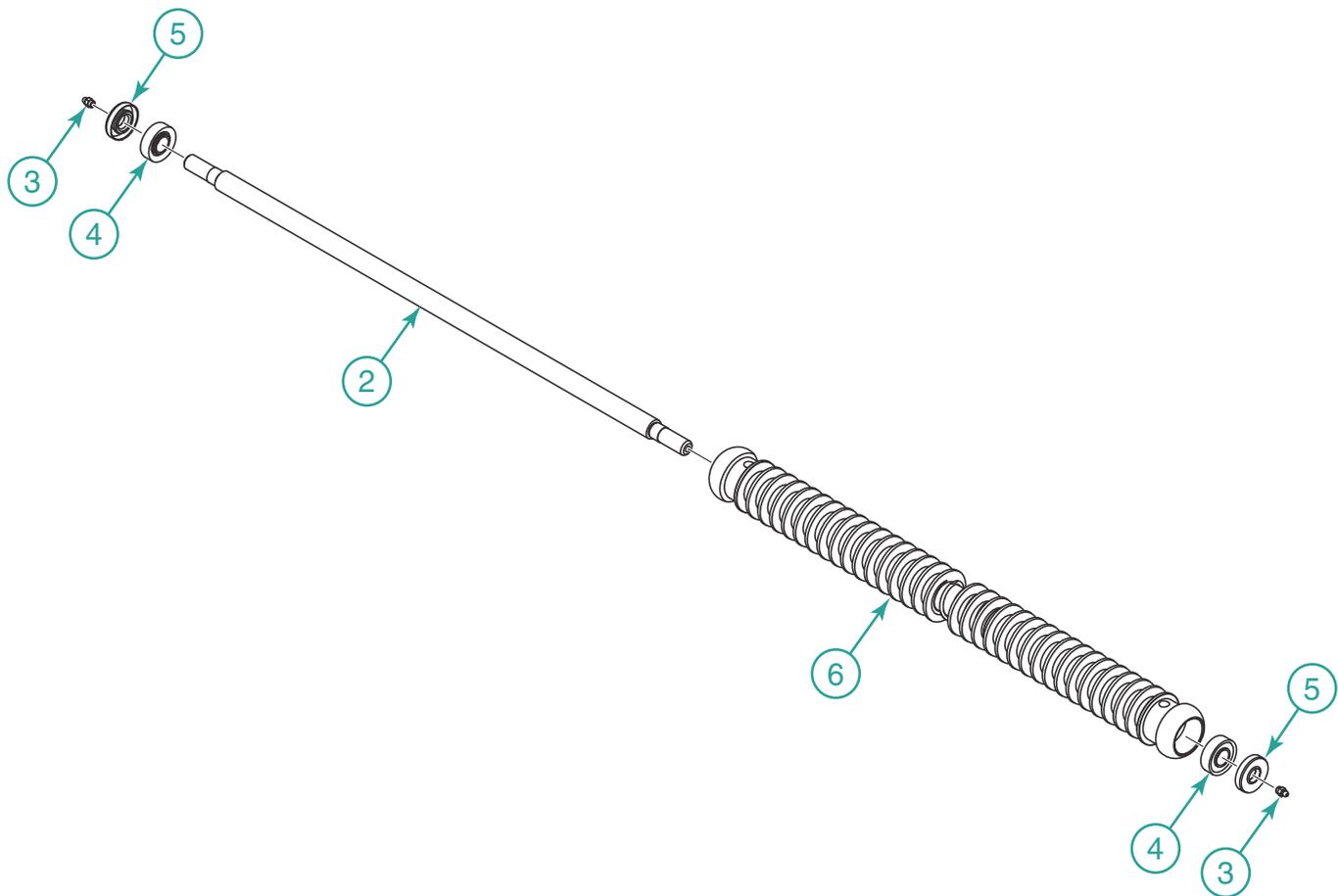


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	1004991	1	22" Solid Front Roller (Light)	
2	1004988	1	22" Solid Front Roller	
3	3010621	1	• Shaft, Roller	
4	5002814	1	• Roller, Solid (Light)	Used on 1004991
5	3007008	1	• Roller, Solid	Used on 1004988
6	3010712	2	• Bearing, Ball	
7	3010286	2	• Seal	
8	471214	2	• Fitting, Grease	
9	68530	1	• • Front Roller with Scraper	Includes 1004991
10	68641	1	• • Front Roller with Scraper	Includes 1004988
11	2500022	1	• Scaper Assembly	
12	352214	2	• Clip	
13	407586	2	• Pan Head Screw, 1/4-20"	

> Change from previous revision

67.1 True Set 22" Grooved Steel Disc Front Roller

Illustration Number: 68527-E



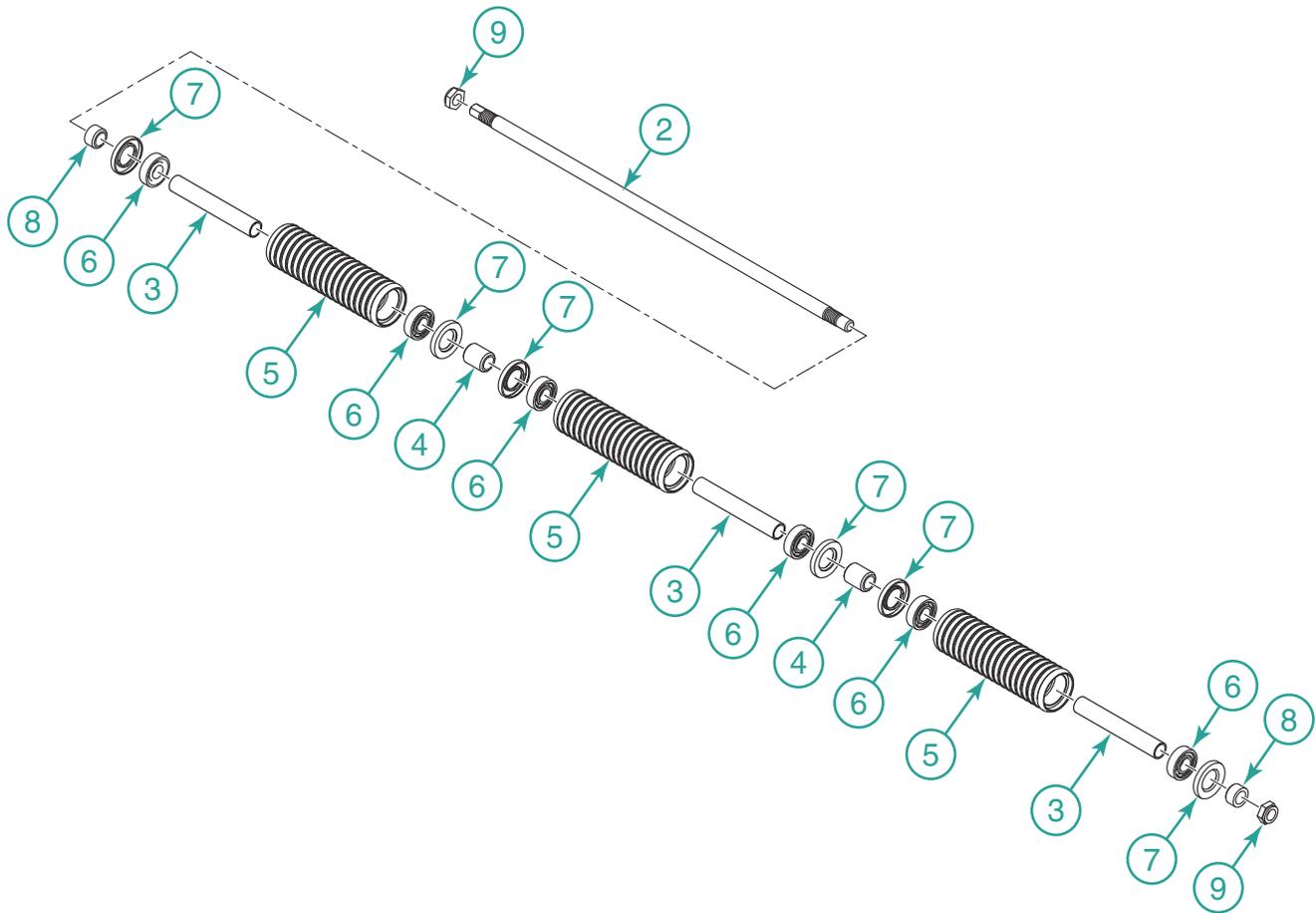
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	68527	1	22" Front Roller	
2	3010621	1	• Shaft	
3	471214	2	• Grease Fitting, 1/4 - 28	
4	3010712	2	• Ball Bearing	
5	3010286	2	• Seal	
6	129806	1	• Grooved Roller	

> Change from previous revision

68.1 True Set 22" Segmented Grooved Front Roller

Serial No. All

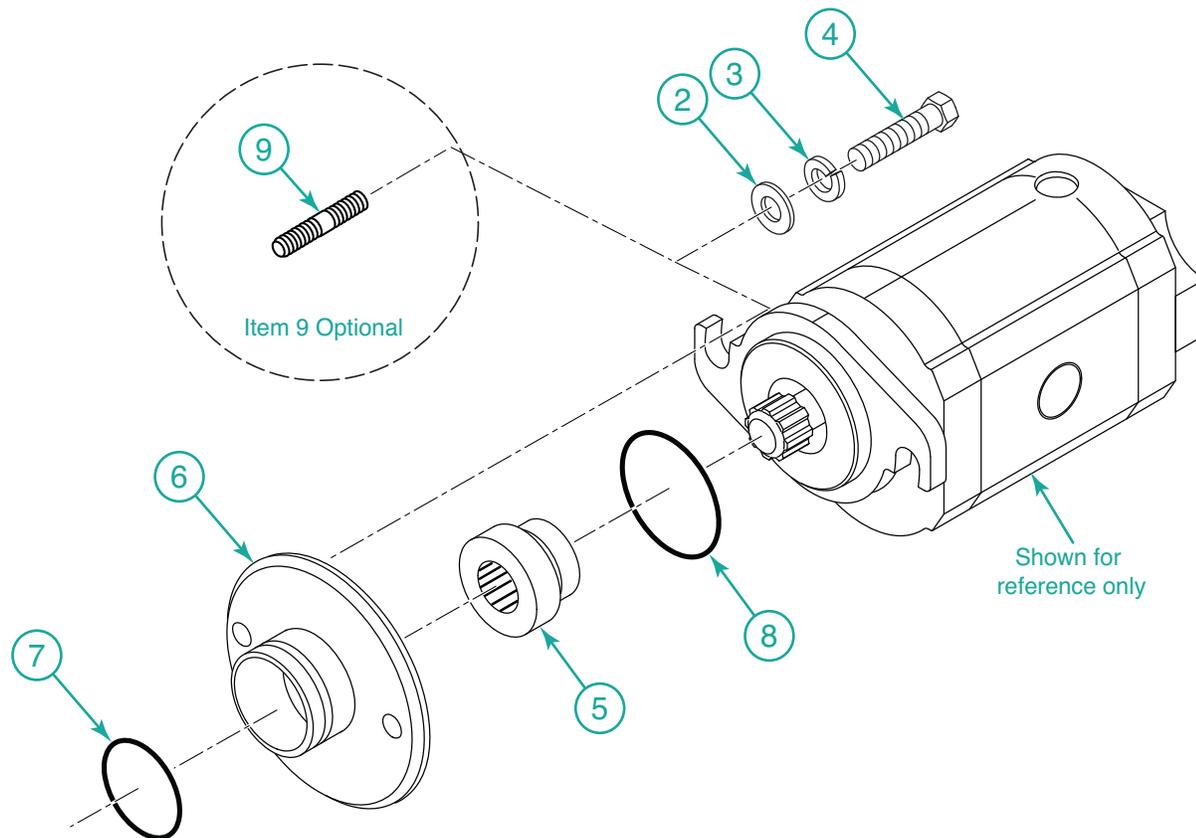
Illustration Number: 68673-A



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	68673	1	22" Segmented Grooved Front Roller	
2	2810708	1	• Shaft	
3	4130417	3	• Bearing Spacer	
4	4130418	2	• Bearing Spacer	
5	4130419	3	• Segmented Grooved Roller	
6	366707	6	• Ball Bearing	
7	338773	6	• Grease Seal	
8	4130428	2	• Bearing Spacer	
9	445801	2	• Hex Jam Nut, 5/8 - 18	

69.1 True Set Motor Adapter Kit

Illustration Number: 894991-A

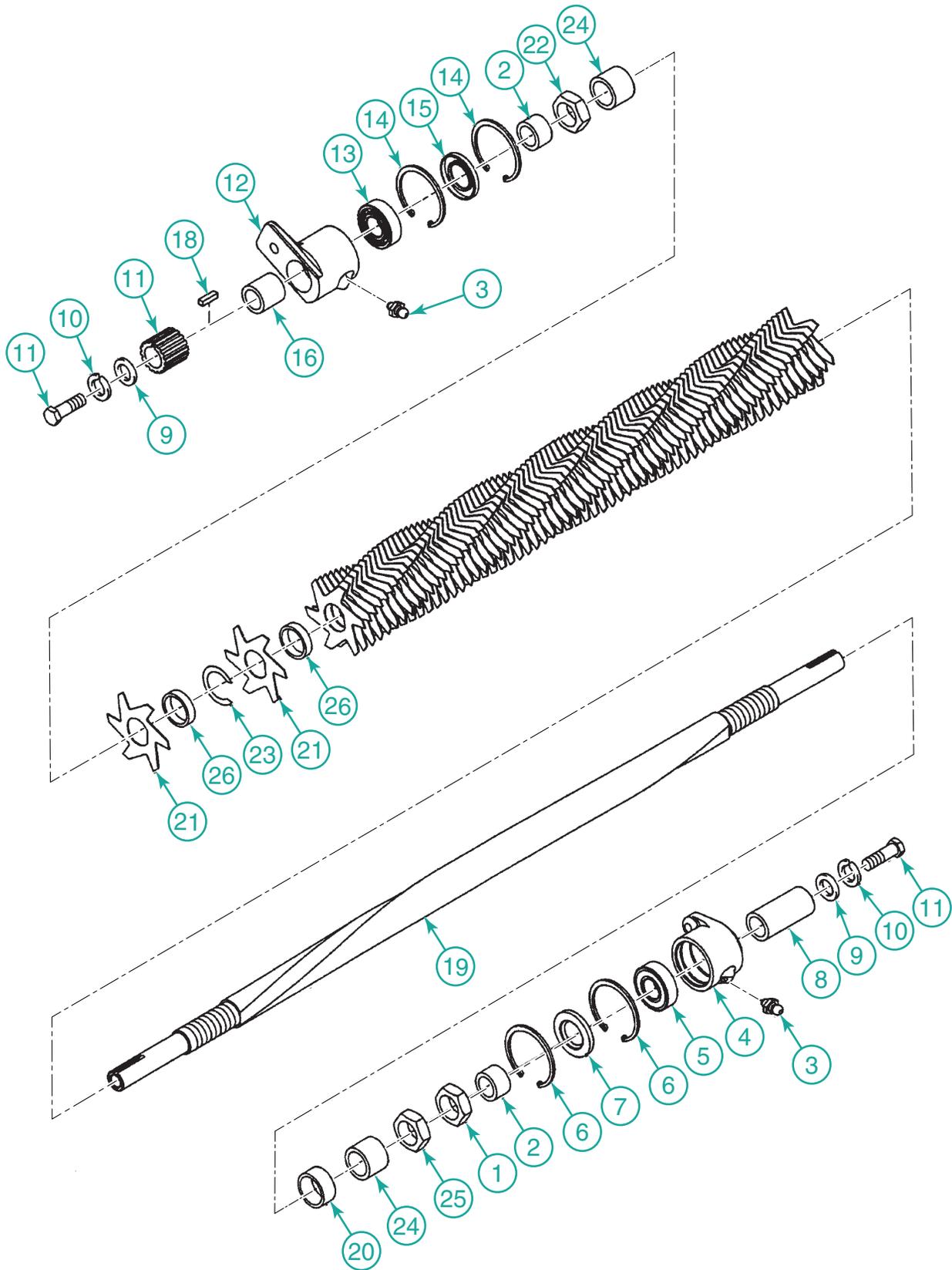


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	894991	1	Motor Adapter Kit (Includes items 2 - 8)	
2	103867	2	• Flat Washer, 5/16	
3	306325	2	• Lock Washer, 5/16	
4	306501	2	• Screw, 5/16-18 x 1-1/2"	
5	4247911	1	• Coupling Drive	
6	845278	1	• Adapter Plate	
7	845279	1	• O-Ring Seal, 1.49 I.D. x .07	
8	845280	1	• O-Ring Seal, 1.99 I.D. x .07	
9	800904	2	Stud	Optional alternative to Item 4.

> Change from previous revision

70.1 Turf Groomer Shaft Assembly

Illustration Number: 132238-F, 132239-F

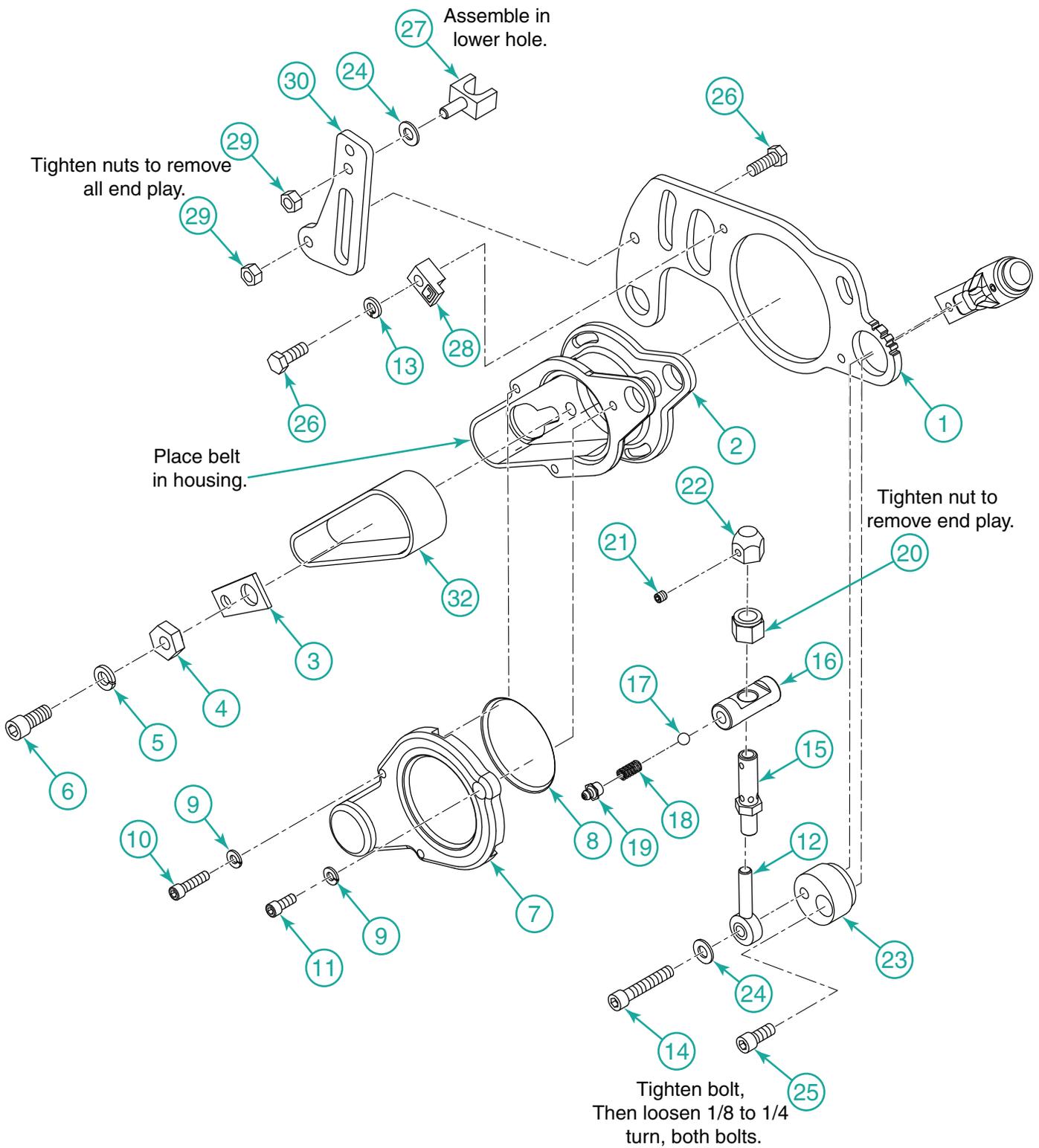


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	367029	1	Locknut, 3/4-16, hex nyloc	
2	367165	2	Spacer, 7/8 x 17/32"	
3	471221	1	Fitting, grease, 1/4-28	
	2500228	1	Housing, driven bearing	
4	241808	1	• Housing, bearing	
5	365229	1	• Bearing, ball	
6	458461	2	• Snap ring	
7	336962	1	• Seal, grease	
8	367164	1	Spacer, 7/8 x 1 13/16"	
9	453011	1	Washer, 3/8"	
10	446142	1	Lock Washer, 3/8"	
11	400298	1	Screw, 3/8-24 x 1"	
	2500227	1	Housing, drive bearing	
12	241807	1	• Housing, bearing	
13	365229	1	• Bearing, ball	
14	458461	2	• Snap ring	
15	336962	1	• Seal, grease	
16	367163	1	Spacer, 7/8 x 7/8"	
17	365227	1	Pulley, 16 groove	
18	345556	1	Key, 1/8 x 1/8 x 31/32"	
	2500232	1	Groomer shaft assembly, 1/4" spacing	Product No. 067912
	2500230	1	Groomer shaft assembly, 1/2" spacing	Product No. 067914
19	390857	1	• Shaft, groomer	
20	365234	2	• Spacer, 1 1/16 x 15/32"	
21	365230	71	• Blade (1/4" spacing)	
	365230	40	• Blade (1/2" spacing)	
22	367029	1	• Locknut, 3/4-16, hex nyloc	
23	364040	1	• Shim, groomer shaft	
24	367161	2	• Spacer, 1 x 3/4"	
25	443832	1	• Nut, 3/4-16, jam	
26	4192802	70	• Spacer, 1/4" spacing	Product No. 067912
26	4195520	41	• Spacer, 1/2" spacing	Product No. 067914

> Change from previous revision

71.1 Turf Groomer Drive Assembly

Illustration Number: 2812000-F



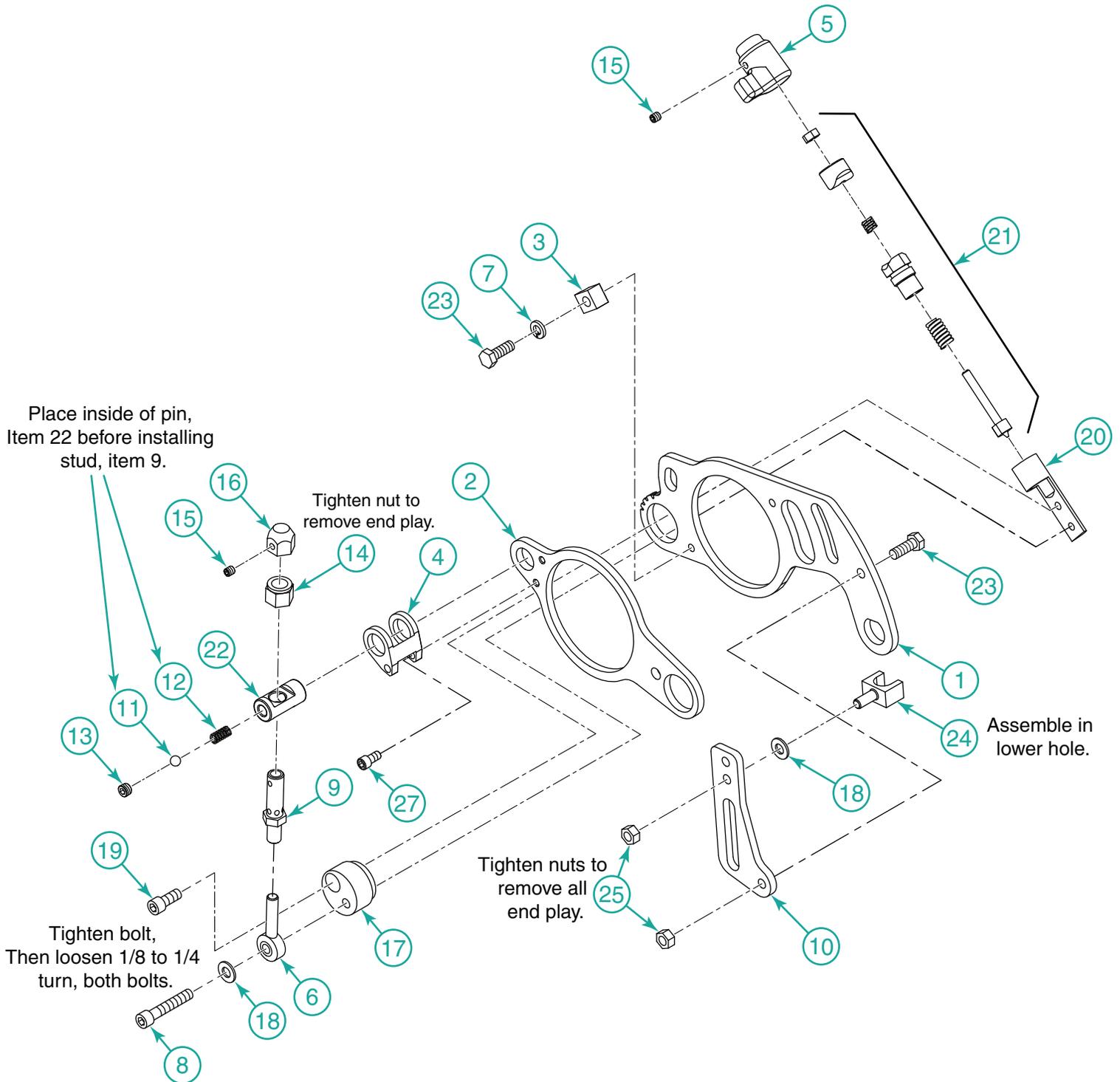
Item	Part No.	Qty.	Description	Serial Numbers/Notes	
1	4103100	1	Bracket, Groomer roller	Torque to 11 - 13.6 Nm (8 - 10 lb ft).	
2	220302	1	Belt Housing		
3	365260	1	Link, Adjusting Belt		
4	367162	1	Eccentric, Adjusting Belt		
5	446142	1	Lock Washer, 3/8		
6	434030	1	Socket Head Screw, 3/8-16 x 7/8		
7	2500231	1	Belt Housing Cover		
8	338752	1	Oil Seal		
9	446130	3	Lock Washer, 1/4		
10	434029	2	Socket Head Screw, 1/4-20 x 1"		
11	434011	1	Socket Head Screw, 1/4-20 x 5/8"		
12	365247	1	Rod End		
13	446136	1	Lock Washer, 5/16		
14	434032	1	Socket Head Screw, 5/16-18 x 1 3/4		
15	365270	1	Micro Adjusting Bolt		
16	3003969	1	Pivot Pin		
17	465006	1	Steel Ball, 5/16 dia.		
18	365291	1	Spring		
19	471219	1	Fitting, grease, 1/8 NPT		
20	445667	1	Hex nyloc nut, 1/2-20		
21	422502	1	Set Screw, 1/4-20 x 1/4		
22	3005108	1	Micro Adjuster Knob		
23	367166	1	Cam		
24	453009	2	Washer, 5/16"		
25	434024	1	Socket head Screw, 5/16-18 x 3/4		
26	400186	2	Screw, 5/16-18 x 7/8		Torque to 1.4 - 2.7 Nm (1 - 2 lbs ft).
27	364061	1	Adjusting Pivot Bracket		
28	365344	1	Housing Retaining Clamp		
29	444718	2	Nut, 5/16-18		
30	365233	1	Roller Adjusting Link		
31		1	Quick height adjuster		See 73.1
32	365235	1	Belt		

> Change from previous revision

72.1 Turf Groomer Driven Assembly

Serial No. All

Illustration Number: 2812001-D



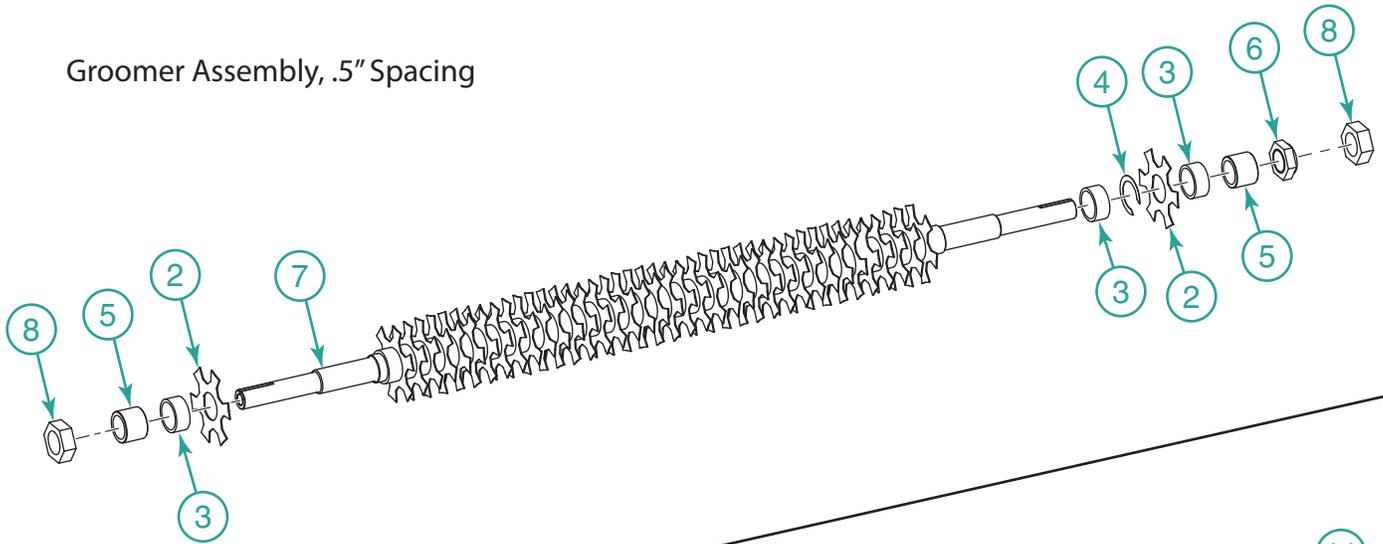
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4103100	1	Roller Bracket	
2	338748	1	Mounting Bracket	
3	365342	1	Clamp	
4	2810479	1	Pivot Block	
5	271919	1	Knob	
6	365247	1	Rod End, 5/6" Dia	
7	446136	1	Lock Washer, 5/16" Heavy	
8	434032	1	Socket Head Screw, 5/16"-18 x 1-3/4"	
9	365270	1	Adjusting Stud	
10	365233	1	Roller Adjusting Link	
11	465006	1	Ball, 5/16" Dia	
12	365291	1	Compression Spring	
13	472006	1	Plug, 1/8" Pipe	
14	445667	1	Hex Nut, 1/2-20	
15	422502	2	Set Screw, 1/4-20 x 1/4"	
16	3005108	1	Roller Adjuster Knob	
17	367166	1	Cam	
18	453009	2	Flat Washer, 5/16"	
19	434024	1	Screw, 5/16-18 x 3/4"	
20	365265	1	Adjusting Link	
21	163761	1	Knob Assembly	
22	3010709	1	Pivot Pin	
23	400186	2	Hex Head Screw, 5/16-18	Torque to 1.4 - 2.7 Nm (1 - 2 lbs ft).
24	364061	1	Brush Adjusting Pivot Bracket	
25	444718	2	Lock Nut, 5/16-18 x 7/8"	

> Change from previous revision

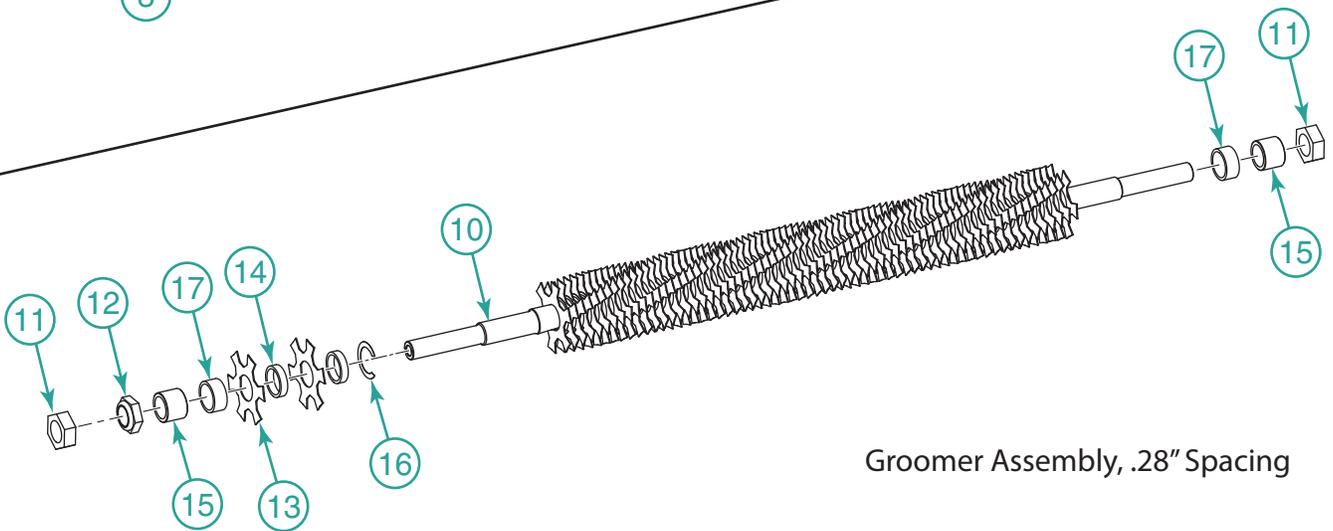
73.1 Turf Groomer Blade Assembly

Illustration Number: 062905-A, 062906-A

Groomer Assembly, .5" Spacing



Groomer Assembly, .28" Spacing



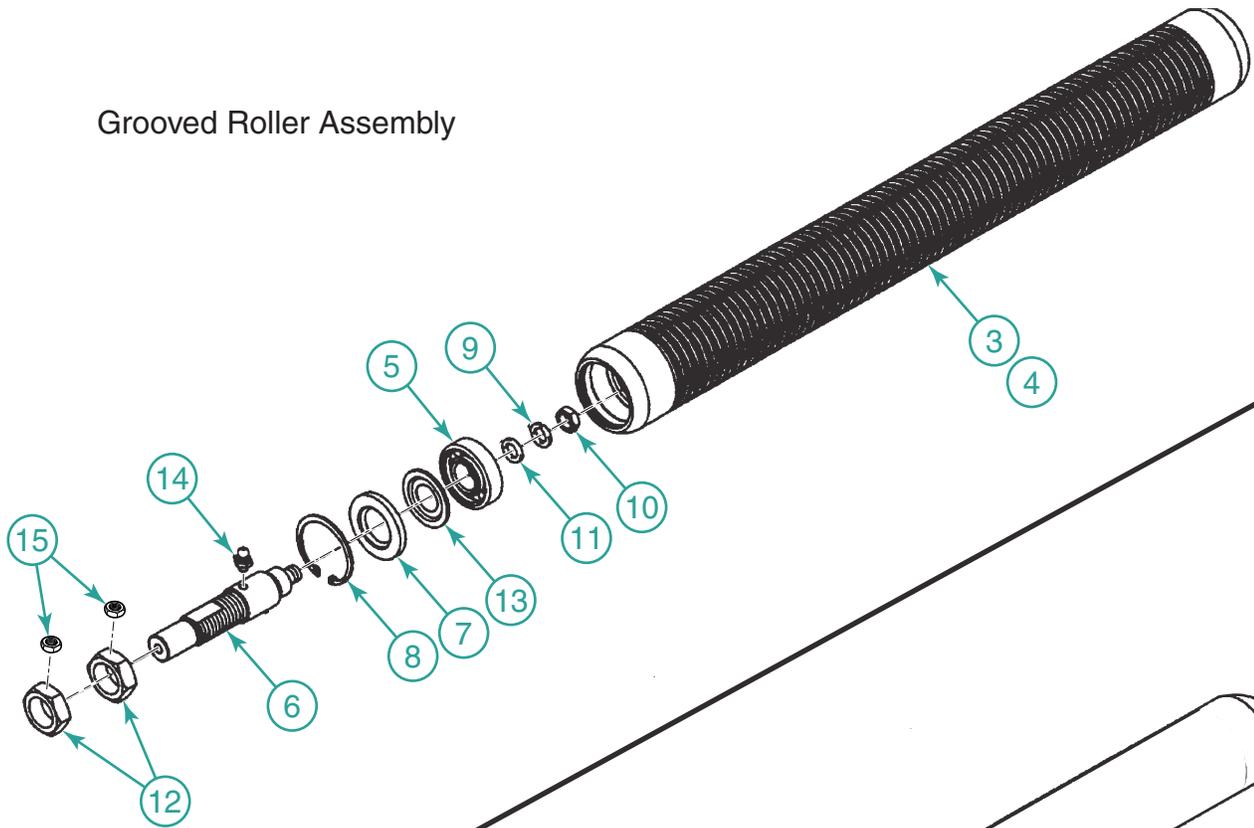
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4301253	1	Groomer Assembly, .5" Spacing	Product No. 062906
2	4291997	40	• Groomer Blade	
3	4195520	41	• Spacer	
4	364040	1	• Washer Shim	
5	367161	2	• Spacer	
6	367029	1	• Locknut, 3/4-16"	
7	390857	1	• Shaft	
8	443832	2	• Hex Jam Nut, 3/4 - 16"	
9	4292696	1	Groomer Assembly, .28" Spacing	Product No. 062905
10	390857	1	• Shaft	
11	443832	2	• Hex Jam Nut, 3/4-16	
12	367029	1	• Locknut, 3/4-16	
13	4291997	71	• Groomer Blade	
14	4192802	70	• Spacer	
15	367161	2	• Spacer	
16	364040	6	• Washer Shim	
17	4195520	2	• Spacer	

> Change from previous revision

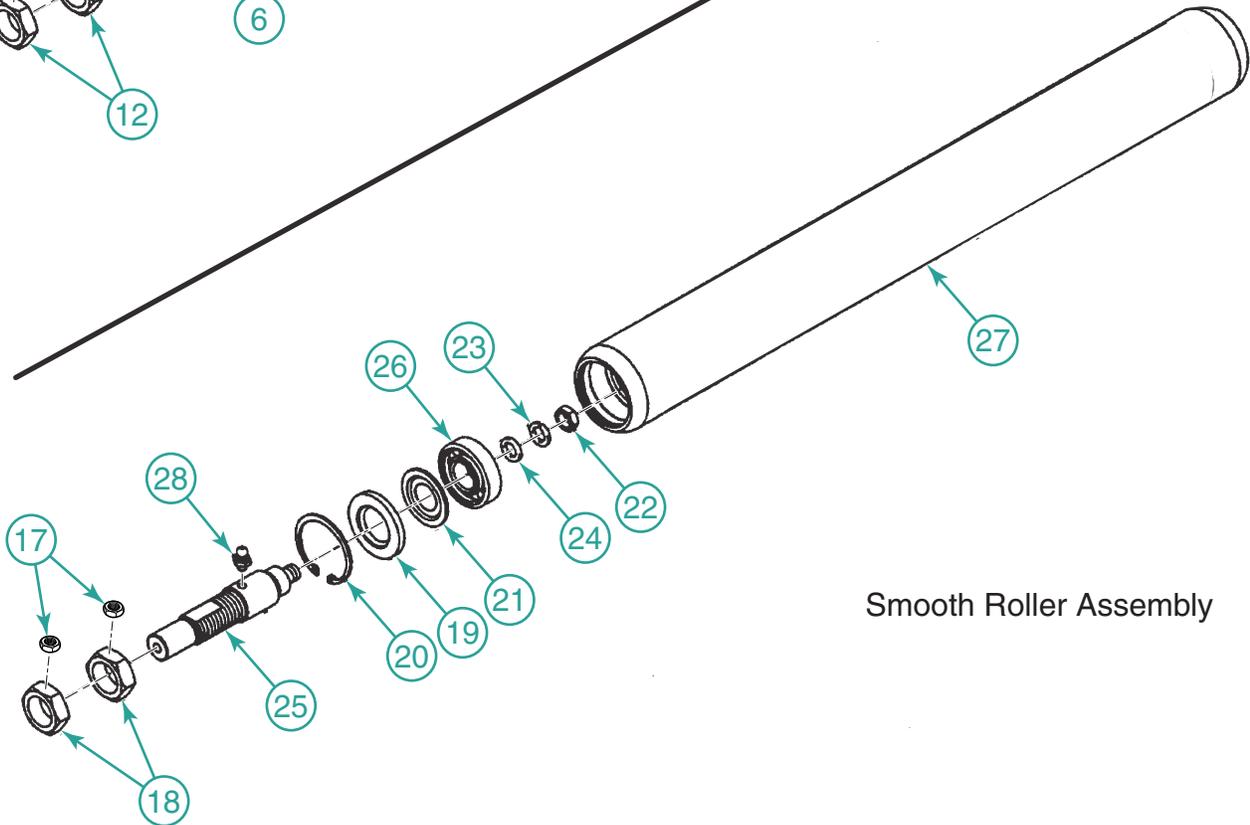
74.1 Turf Grooved And Solid Roller Assembly

Illustration Number: 062927-062928-062929

Grooved Roller Assembly



Smooth Roller Assembly



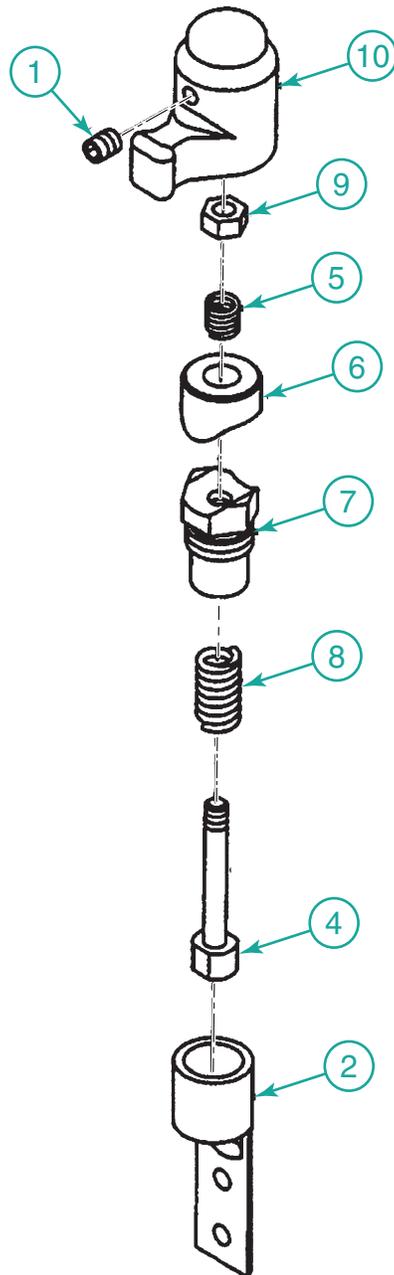
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2500224	1	Grooved Roller Assembly, .280 Spacing	Includes item 3
2	2500226	1	Grooved Roller Assembly, .500 Spacing	Includes item 4
3	390899	1	• Tube Roller Spacing, 1/4"	
4	390900	1	• Tube Roller Spacing, 1/2"	
5	365330	2	• Ball Bearing	
6	4169260	2	• Roller Shaft	
7	338773	2	• Grease Seal	
8	458113	2	• Snap Ring	
9	446148	2	• Lock Washer, 7/16"	
10	443816	2	• Jam Nut, 7/16-20	
11	452008	2	• Washer, 3/8 x 1 x .078"	
12	4157260	4	• Jam Nut, 7/8-14	
13	365345	2	• Nylos Ring	
14	471214	2	• Grease Fitting, 1/4-28	
15	415525	4	• Set Screw, 5/16-18 x 1/4	
16	4294935	1	Smooth Roller Assembly, 2.5 O.D	
17	415525	4	• Set Screw, 5/16-18 x 1/4	
18	4157260	4	• Hex Jam Nut, 7/8-14	
19	338773	2	• Oil Seal	
20	458113	2	• Truarc Ring	
21	365345	2	• Nilos Ring	
22	443816	2	• Hex Jam Nut, 7/16-20	
23	446148	2	• Lock Washer, 7/16	
24	452008	2	• Washer, 3/8 x 1 x .078"	
25	4169260	2	• Groomer Shaft	
26	365330	2	• Bearing	
27	4300354	1	• Smooth Roller	
28	471214	2	• Grease Fitting, 1/4-28	

> Change from previous revision

75.1 Turf Groomer Quick Height Adjuster

Serial No. All

Illustration Number: 2812000-F



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	422502	1	Set Screw, 1/4-20 x 1/4"	
2	365265	1	Adjusting Link	
3	163761	1	Knob Assembly	
4	365271	1	• Bolt	
5	365268	1	• Spring	
6	365267	1	• Plunger	
7	365266	1	• Adjusting Bolt	
8	365269	1	• Spring	
9	444708	1	• Lock Nut, 1/4-20	
10	271919	1	Quick Adjuster Knob	

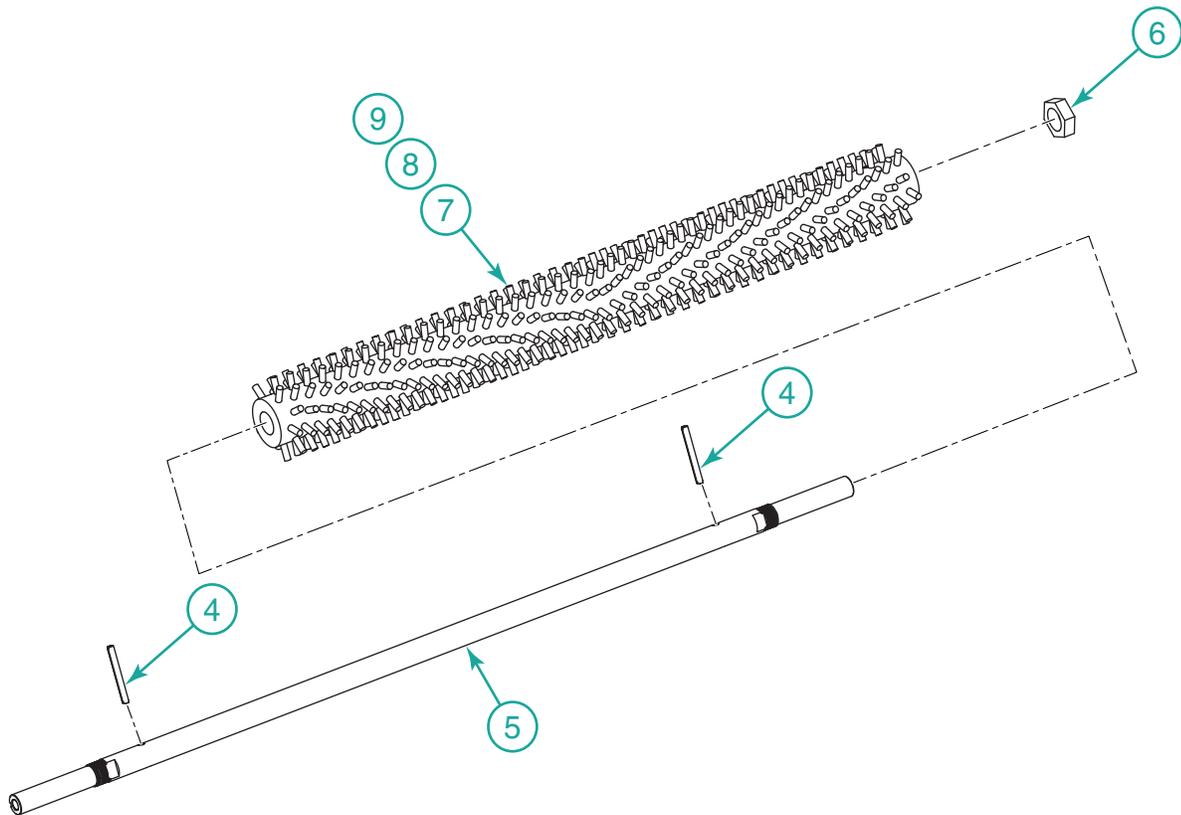
> Change from previous revision

GP400

76.1 Herringbone Bristle Brush, 22"

Serial No. All

Illustration Number: 062909-A, 062910-A, 062911-A

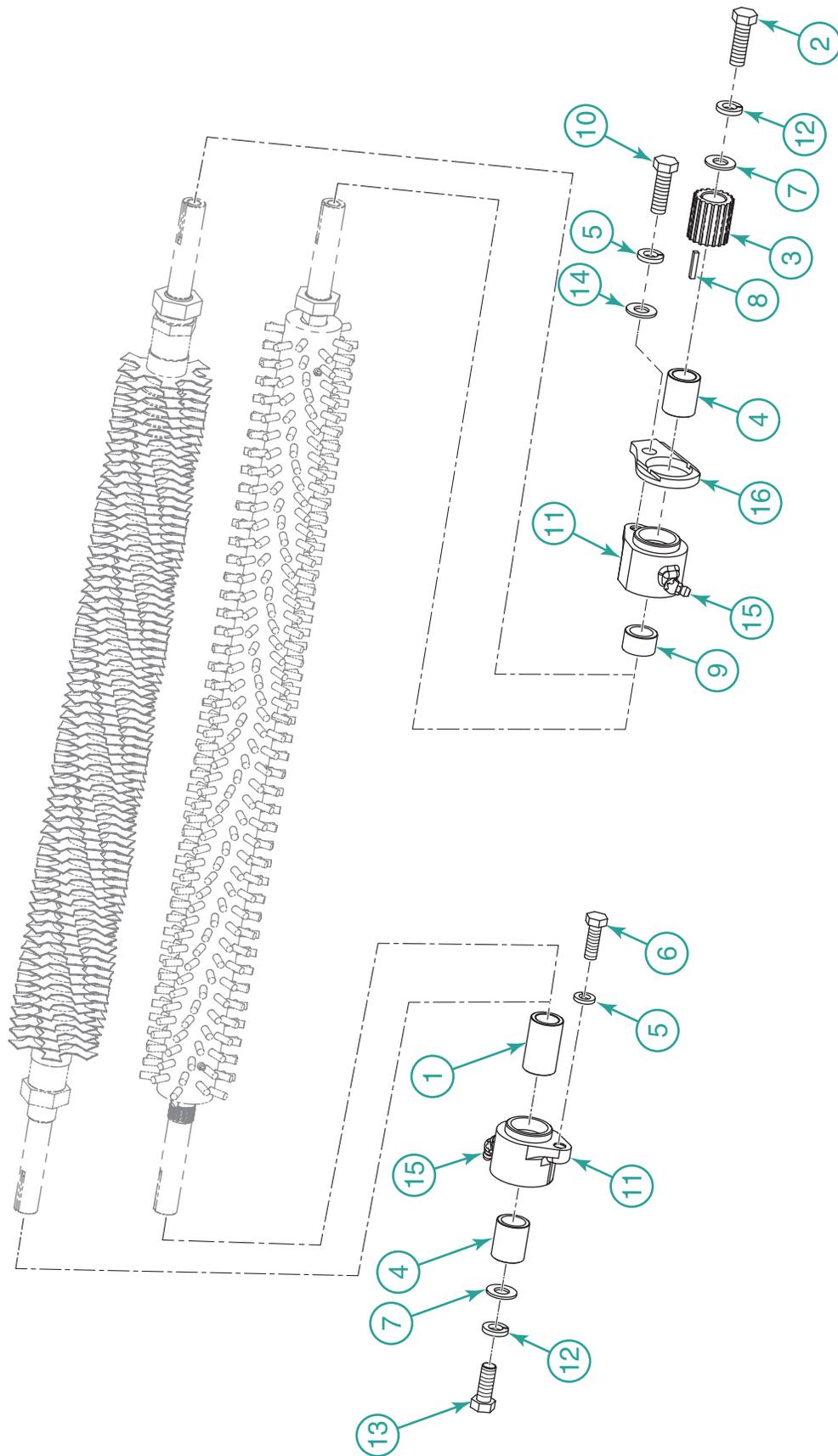


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4294934	1	Brush Shaft Assembly, 22" (Stiff)	Includes item 7
2	4300362	1	Brush Shaft Assembly, 22" (Medium)	Includes item 8
3	4300364	1	Brush Shaft Assembly, 22" (Soft)	Includes item 9
4	461409	2	• Spring Roll Pin, 3/16 x 1.75	
5	4291996	1	• Brush Shaft	
6	400094	1	• Nut, M8 x 1.5 (9mm Wide)	
7	4294933	1	• Herringbone Brush, 22" (Stiff)	
8	4300361	1	• Herringbone Brush, 22" (Medium)	
9	043162	1	• Herringbone Brush, 22" (Soft)	

> Change from previous revision

77.1 Quick Change Kit

Illustration Number: 062934-D

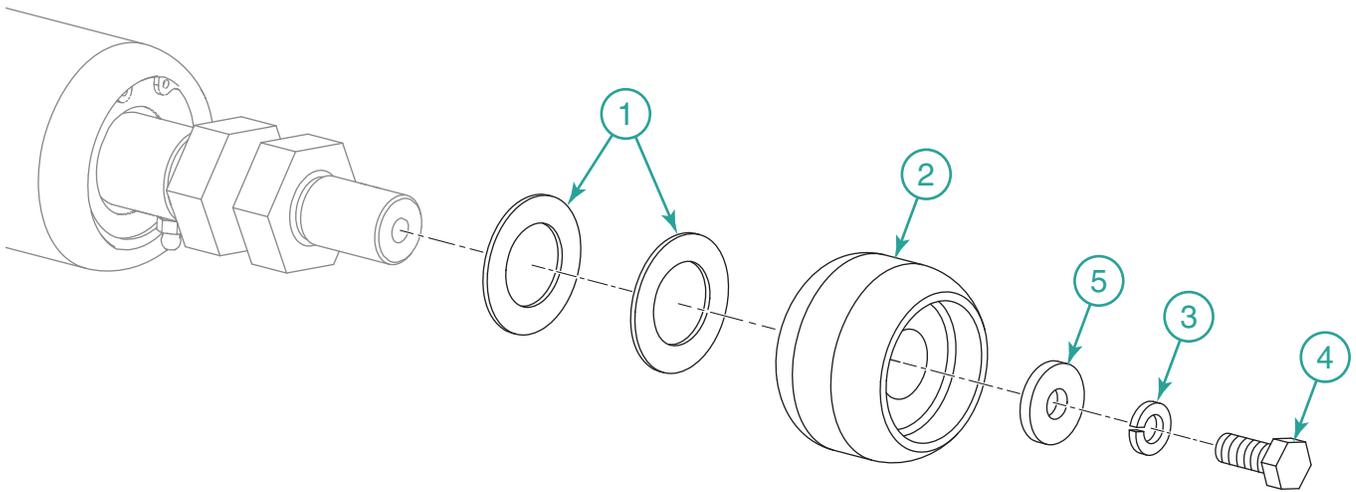


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4288986	1	Spacer	
2	400090	1	Screw, 3/8-24 UNF x 1.25	
3	4288984	1	Sprocket	
4	4311346	2	Spacer, .625 x .875 x 1.035	
5	446136	2	Lock Washer, 5/16"	
6	400188	1	Hex Head Screw, 5/16-18 x 1	
7	453011	2	Flat Washer, 3/8 x .831 x .063	
8	331143	1	Key	
9	367165	1	Spacer	
10	400190	1	Hex Head Screw, 5/16 - 18 x 1.25	
11	4294092	2	Bearing Housing Assembly	
12	446142	2	Lock Washer, 3/8"	
13	400298	1	Hex Head Screw, 3/8 - 24	
14	453009	1	Flat Washer, 5/16 x .688 x .08	
15	471227	2	Grease Fitting, 45 Deg	
16	4183661	1	Bearing Housing Plate, LH	

> Change from previous revision

78.1 Guide Wheels Kit

Illustration Number: 062935-B

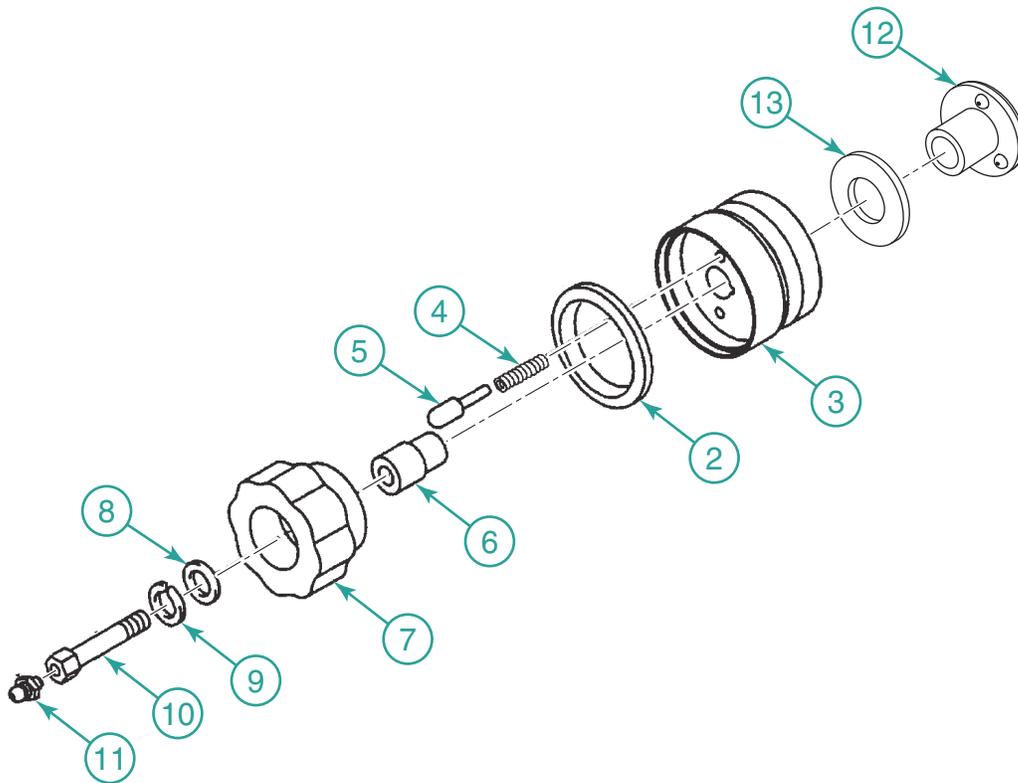


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	365409	4	Washer	
2	4308229	2	Wheel Guide	
3	446136	2	Lock Washer, 5/16	
4	400184	2	Hex Head Screw, 5/16-18 x .75	
5	364441	2	Spacer	

> Change from previous revision

79.1 Clutch Assembly

Illustration Number: 132237-E

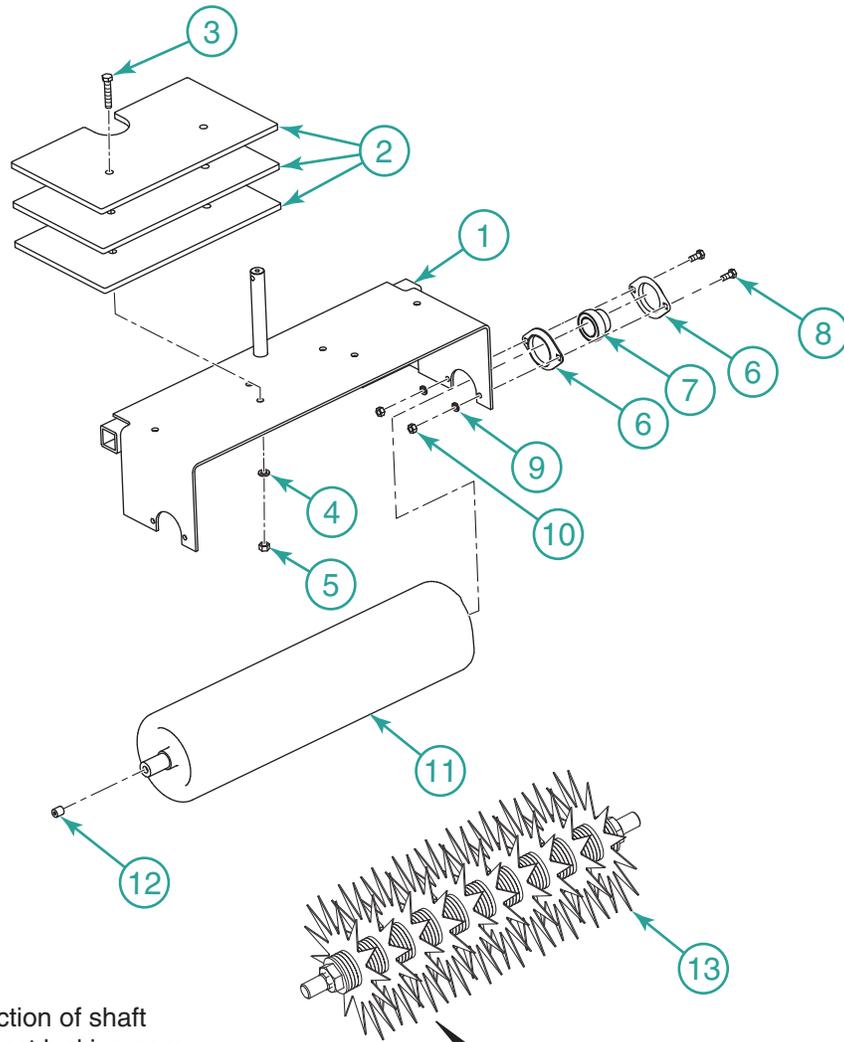


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	163776	1	Pulley Assembly	
2	338768	1	• Grease Seal	
3	338750	1	• Pulley	
4	365272	2	Spring	
5	365258	2	Pin	
6	365254	1	Stub Shaft	
7	241817	1	Clutch Knob	
8	363841	1	Washer	
9	446142	1	Lock Washer, 3/8"	
10	365257	1	Bolt	
11	471214	1	Grease Fitting, 1/2-28	
12	365346	1	Nut	
13	453017	1	Flat Washer, 1/2"	

> Change from previous revision

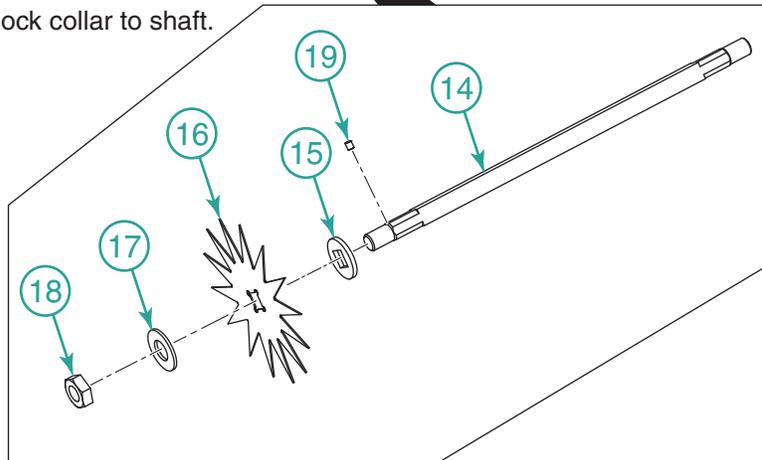
80.1 Kit Attachment (Roller and Spiker)

Illustration Number: 068664-D, 068665-D



Locking Notes:

1. Turn locking collar in direction of shaft rotation until it stops against locking cam.
2. Hit recess in locking collar with hammer and punch in direction of shaft rotation to lock collar to shaft.
3. Tighten set screw against shaft.

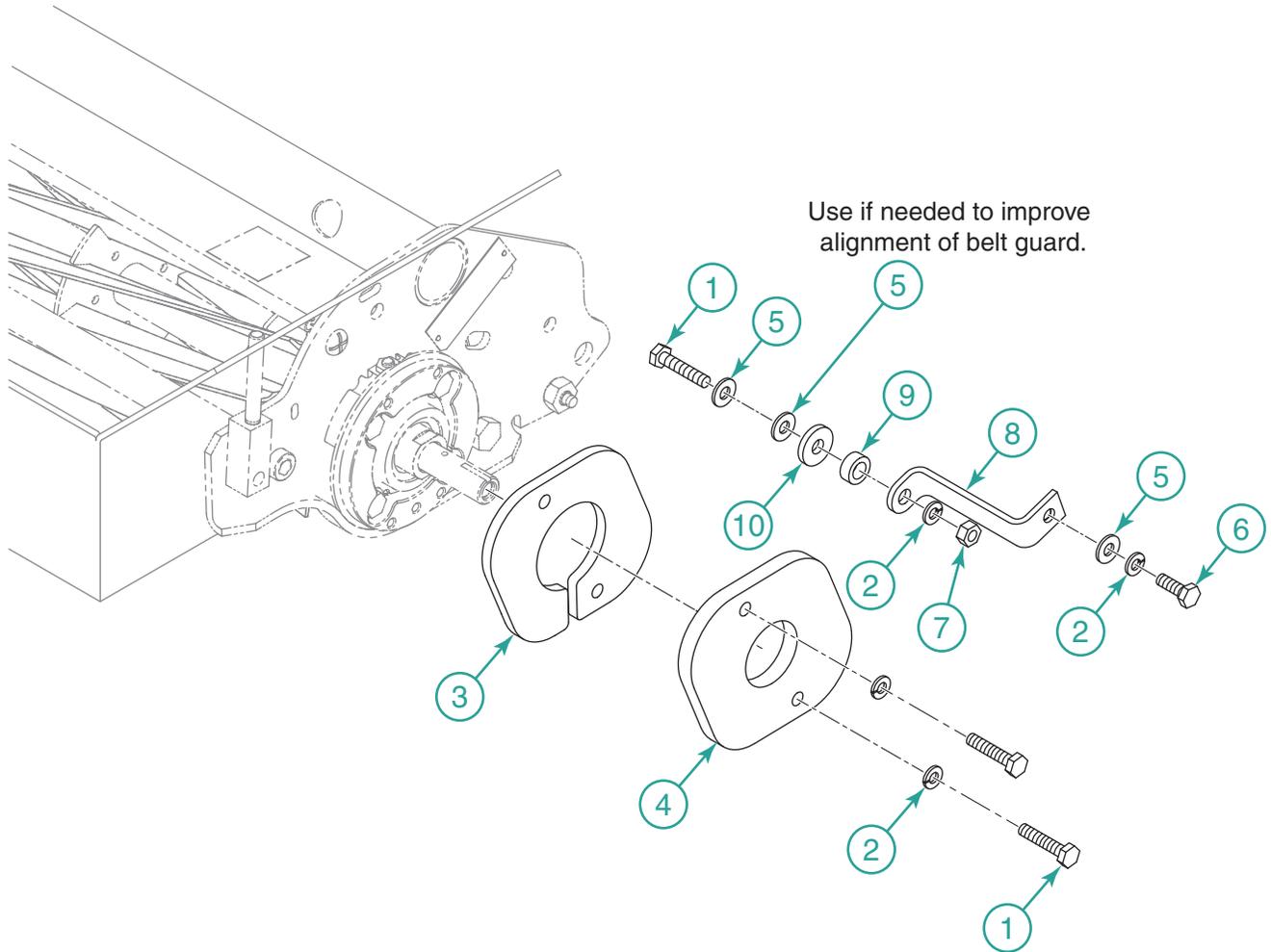


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	116275	3	Lift Assembly Yoke	
2	2812312	9	Weight	
3	400270	6	Hex Head Screw, 3/8-16 x 2"	
4	446142	6	Lock Washer, 3/8"	
5	443110	6	Hex Nut, 3/8 - 16	
6	350748	12	Mounting Flange	
7	545786	6	Bearing Assembly	
8	400184	12	Hex Head Screw, 5/16 - 18	
9	446136	12	Lock Washer, 5/16"	
10	443106	12	Hex Nut, 5/16 - 18	
11	340646	3	Roller	For Product 068664
12	472310	3	Plug, 1/4-18	For Product 068664
13	131182	3	Reel Assembly	For Product 068665
14	337356	1	• Spiker Shaft	
15	332794	80	• Spacer	
16	349496	10	• Spiker Blade	
17	453030	2	• Washer	
18	332908	2	• Jam Nut	
19	415522	2	• Set Screw, 5/16 - 18 x 3/8	

> Change from previous revision

81.1 Kit Counterweight

Illustration Number: 4257240-C



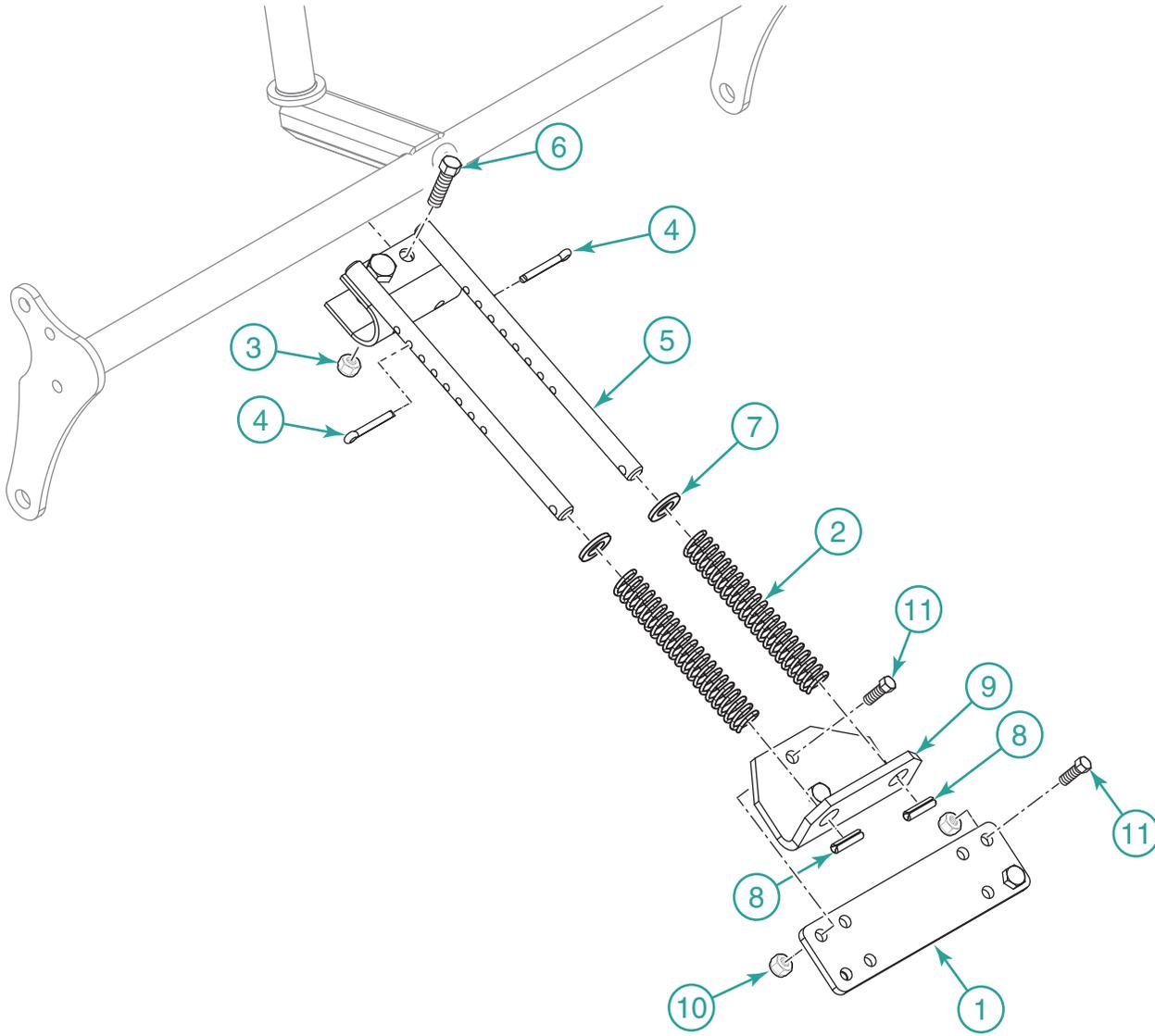
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	400114	3	Hex Head Screw, 1/4 - 20 x 1.25	
2	446130	4	Lock Washer, 1/4	
3	4268689	1	Counterweight, Base Plate	
4	4268690	1	Counterweight Plate, 3/8"	
5	453023	3	Flat Washer, 1/4 x .625 x .080	
6	400108	1	Hex Head Screw, 1/4 - 20 x .75	
7	443102	1	Hex Nut, 1/4 - 20	
8	1002768	1	Assembly Bracket	
9	3005971	1	Spacer	
10	364441	1	Flat Washer, 5/16"	

> Change from previous revision

GP400

82.1 Kit Reel Wight Transfer

Illustration Number: 698220

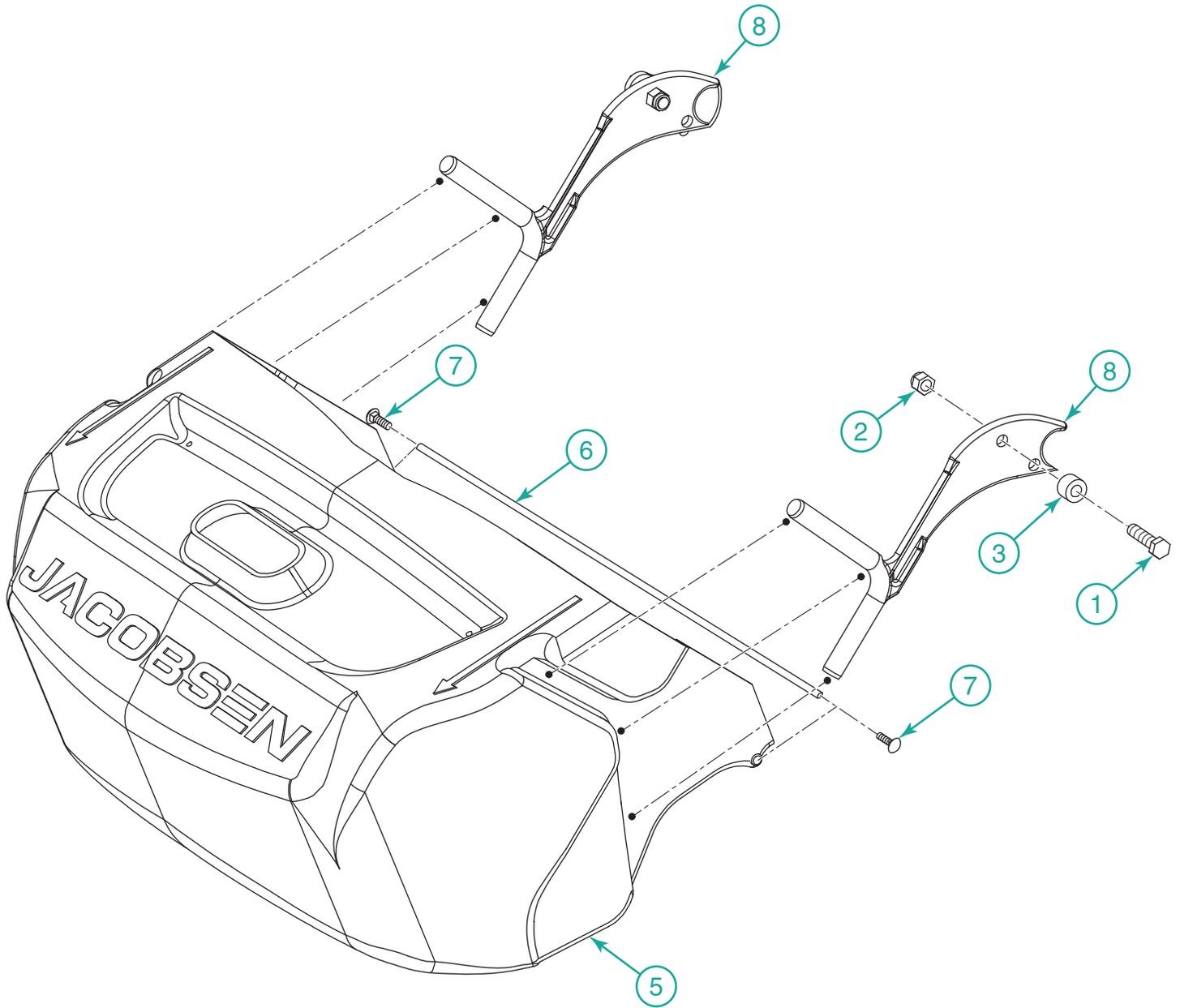


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	698031	2	Plate	Only For Front LH Reel
2	365165	6	Compress Spring	
3	UK450379	6	Hex Nut, M10 - 1.5	Grade 8
4	460050	6	Cotter Pin, 3/16" x 1 - 1/4"	
5	2500199	3	Support assembly	
6	UK450031	6	Hex Bolt, M10 - 1.5 x 45	Grade 8.8
7	UK450392	6	Washer, M12 x 24 x 2.7	
8	461387	6	Pin, Spring Roll, 1/4" x 1"	
9	365162	3	Bracket	
10	450378	10	Hex Nut, M8 - 1.25	Grade 8
11	450191	10	Hex Screw, M8 - 1.25 x 20	Grade 8.8

> Change from previous revision

83.1 Grass Catcher

Illustration Number: 4223940-F



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	400266J	2	Hex Screw, 3/8 - 16 x 1-1/2	
2	445806	2	Hex Nut, 3/8-16	
3	822474	2	Spacer, .38 I.D x 0.75 O.D	
4	4239563	1	Catcher Assembly, 22"	
5	4214183	1	• Catcher	
6	4239564	1	• Catcher Rod	
7	800299	2	• Screw, #10 - 24	
8	892007	2	Catcher Bracket (Plated)	

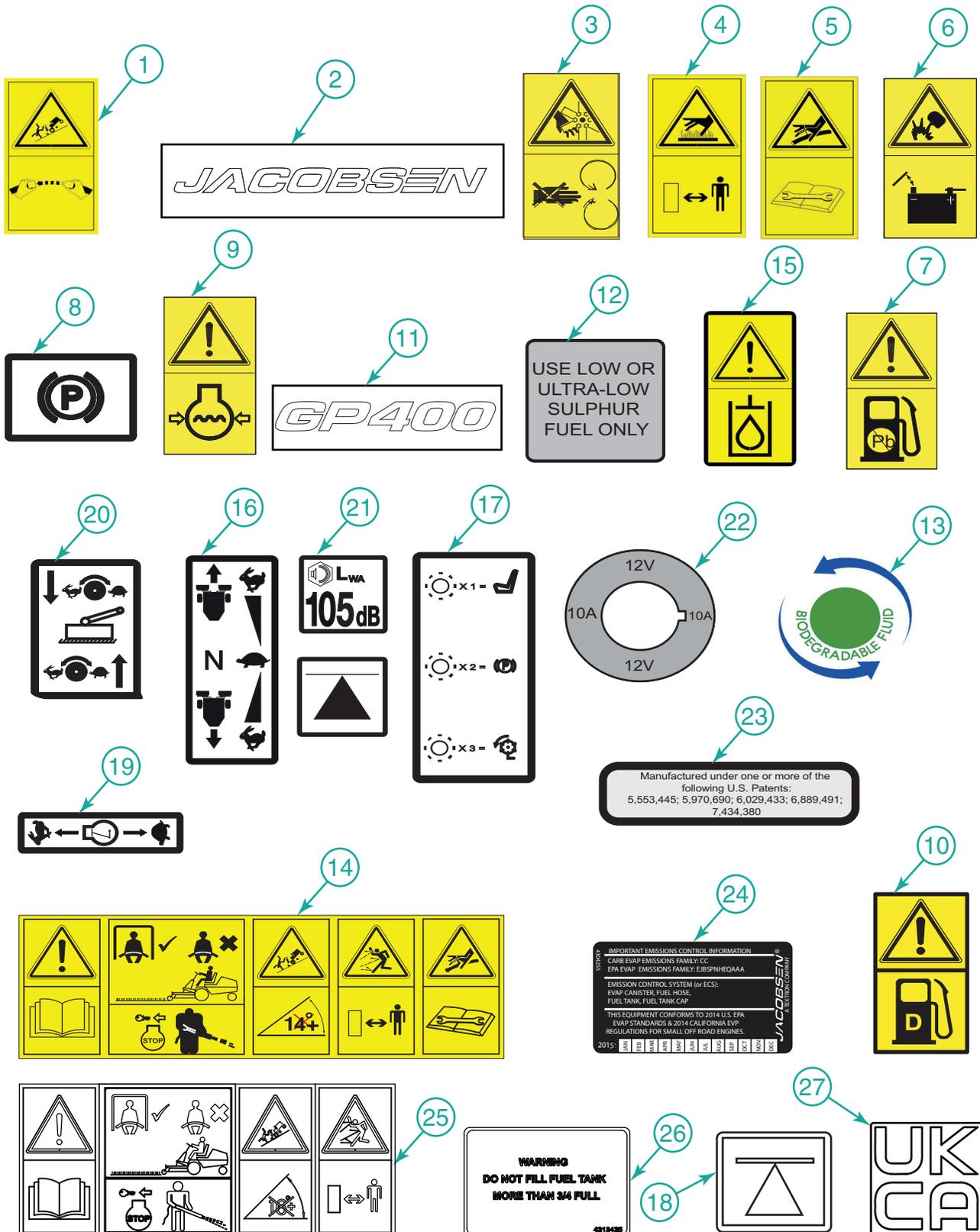
> Change from previous revision

GP400

84.1 Decals

Serial No. All

Illustration Number: IDL164 & IDL165

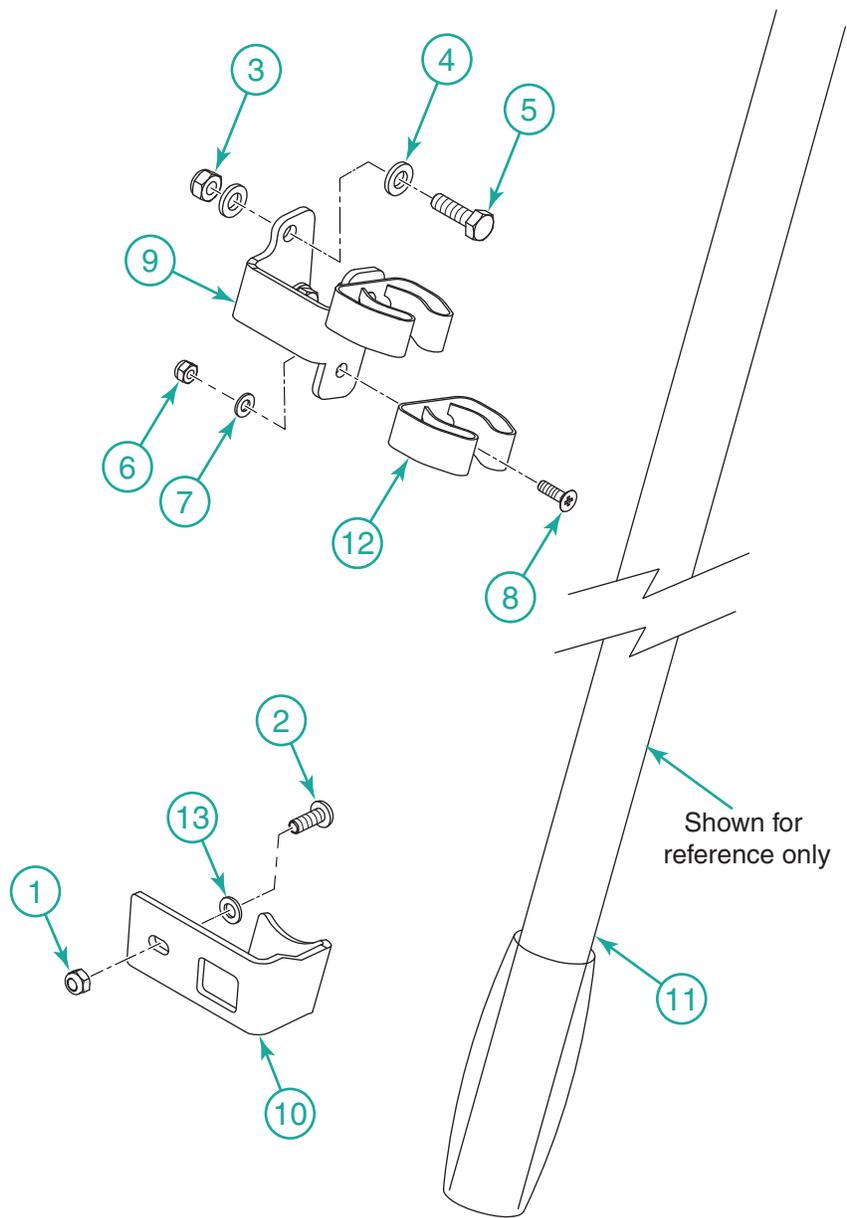


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	009114380	1	Decal, Fasten Seat Belt	
2	4240162	1	Decal, GP400 Jacobsen Logo	
3	009034880	1	Decal, Fan	
4	009034920	1	Decal, Hot	
5	009034930	1	Decal, Hydraulic Press Leak	
6	009114100	1	Decal, Battery	
7	009114240	1	Decal, Petrol, Hazard	
8	9039700	1	Decal, Parking Brake	
9	4118415	1	Decal, Coolant Hazard	
10	009114340	1	Decal, Diesel, Hazard	
11	4244790	2	Decal, GP400 Name (CHASSIS)	
12	4178900	1	Decal, Low Sulphur Fuel	
13	4111407	1	Decal, 2 BioFluid	
14	4240263	1	Decal, Group Instruction	
15	4164860	1	Decal, Hydraulic Fluid	
	4241162	1	Decal, Set Of Decals	
16	840065	1	Decal, Speed Control	
17	4146700	1	Decal, Plus+1 Error Codes	
18	009114300	3	Decal, Jacking Point	
19	4144565	1	Decal, Engine Throttle	
20	4247470	1	Decal, Centre Unit Sequence	
21	009034770	1	Decal, Noise 105dB	
22	4164660	1	Decal, Auxiliary Power Socket 12V	
23	4241302	1	Decal, GP400 Patents	
24	4317966	1	Decal, EPA GP400 Gas	
25	4347046	1	Decal, Multi Warning 16 Deg Slope	
26	4313435	1	Decal, Tank 3/4 Full Warning	
27	10003938	1	Decal, UKCA	

> Change from previous revision

85.1 Dew Whip Holder

Illustration Number: LMAC415-A

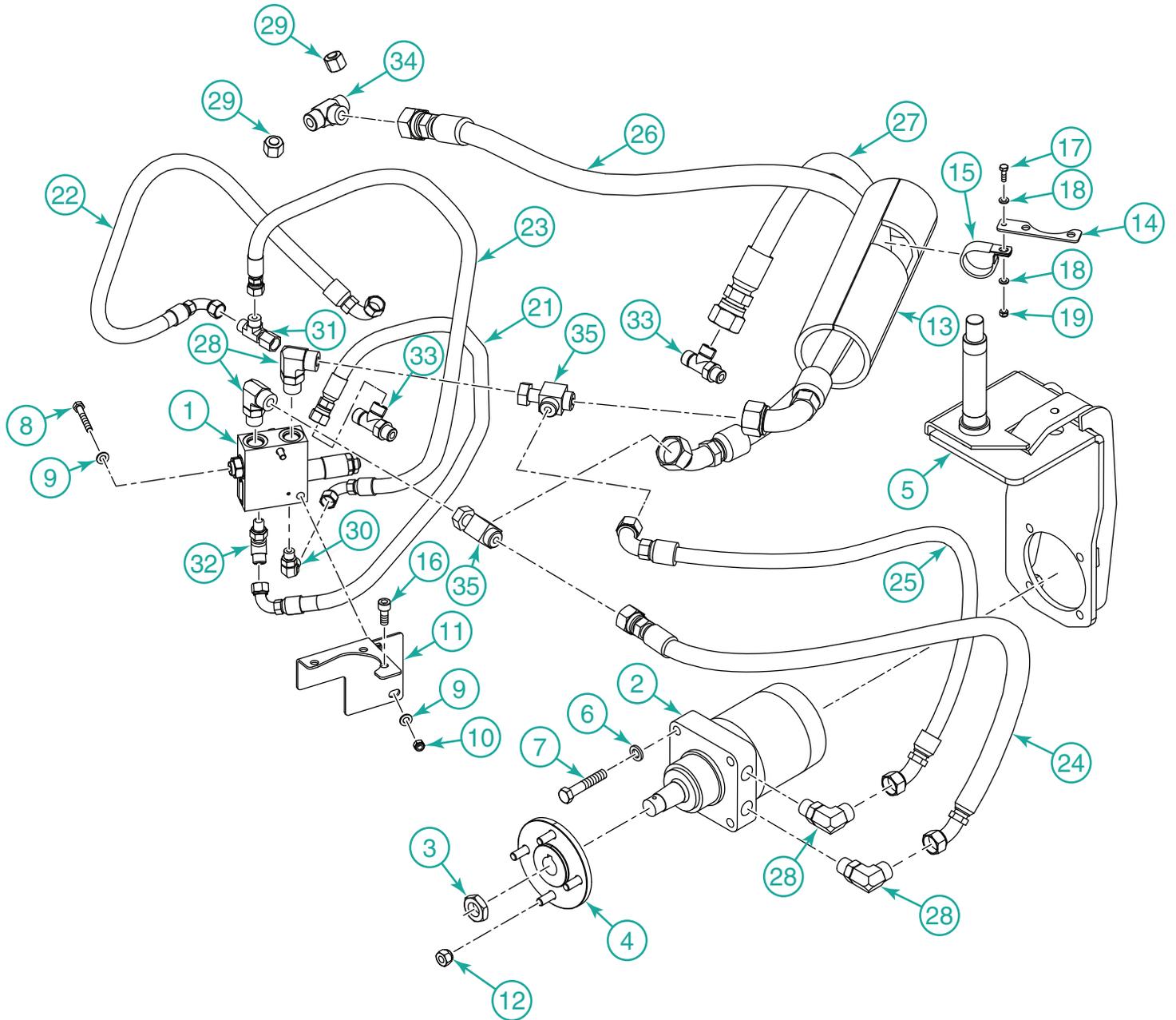


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	450376	1	Hex Nut, M5 Nyloc (Grade 8)	Shown for reference only
2	450527	1	Pan Head Screw, M5 x 14 (Grade 4.8)	
3	450377	2	Hex Nut, M6 Nyloc (Grade 8)	
4	450389	4	Washer, M6 x 12.5 x 1.8	
5	450171	2	Hex Screw, M6 x 20	
6	452717	2	Hex Nut, M4 Nyloc (Grade 8)	
7	450387	2	Washer, M4 x 9 x 0.9	
8	450595	2	Screw, M4 x 14 (Grade 4.8)	
9	4237602	1	Upper Whip Bracket	
10	4237603	1	Lower Whip Bracket	
11		1	Dew Whip	
12	3008369	2	Holder, Rake	
13	450388	1	Washer, M5 x 10 x 1.1	

> Change from previous revision

86.1 Three Wheel Drive Kit

Illustration Number: LMAC418-K

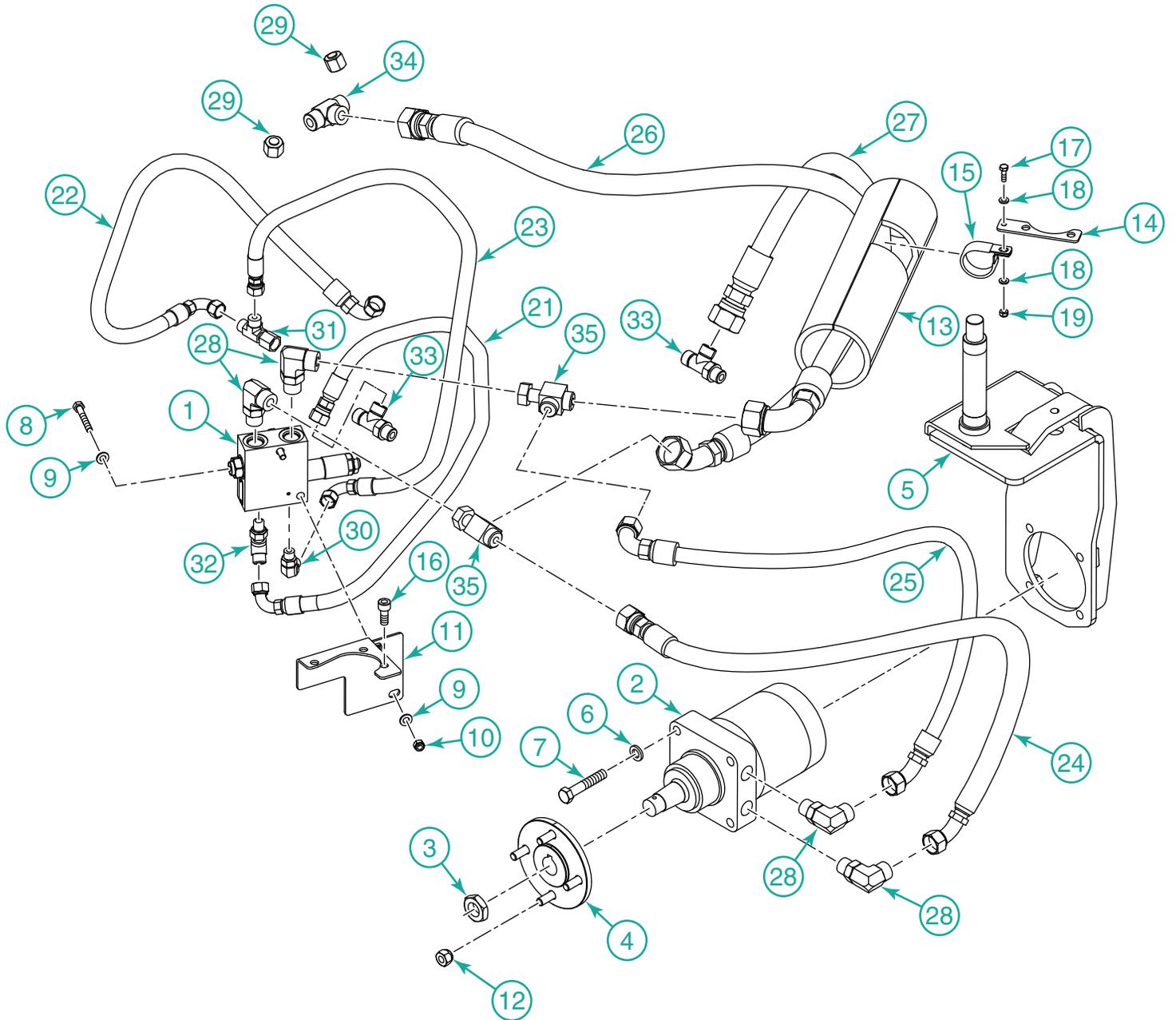


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	679358	1	Flushing Valve	
2	008006930	1	Hydraulic Motor	
3	008006260	1	• Castle Nut	(Not Illustrated)
	008006270	1	• Woodruff Key	(Not Illustrated)
4	844679	1	Wheel Hub, Weldment	
5	894728	1	Fork AY RGN	
6	UK452200176	4	Lock Washer, 1/2 x 0.0873 x 0.125	
7	UK451110346	4	Hex Bolt, 1/2 - 13 x 2.3/4	Grade S
8	UK450019	2	Hex Bolt, M8 - 1.25 x 55 mm	Grade 8.8
9	UK450390	4	Washer, M8 x 17 x 1.8 mm	
10	UK450378	2	Hex Nut, M8 - 1.25 mm Nyloc	Grade 8
11	4268492	1	3WD Valve Bracket	
12	450990638	4	Wheel Nut, 7/16 - 20 x 60	
13	10048213	1	Hose Heat Shield	
14	4248590	1	3WD Hose Clamp Bracket	
15	523213	1	Cushioned P-Clip	
16	UK450738	2	Cap Screw Socket, M10 - 1.5 x 25	Grade 12.9
17	UK450171	1	Hex Screw, M6 x 20	
18	UK450389	2	Washer, M6 x 12.5 x 1.8	
19	UK450377	1	Hex Nut, M6 Nyloc	Grade 8
20	4331289	1	Spanner Gplex Kit	(Not Illustrated)
	IHH095	1	Hoses Kit	Includes Items 21 - 27
21	4240304	1	• Hydraulic Hose	
22	4250912	1	• Hydraulic Hose	
23	4147141	1	• Hydraulic Hose	
24	10003095	1	• Hydraulic Hose	
25	10003096	1	• Hydraulic Hose	
26	10003097	1	• Hydraulic Hose	
27	10003098	1	• Hydraulic Hose	
	IHF107	1	Fitting Kit	Includes Items 28 - 35
28	158007-05	4	• Fitting, 90 Deg 1 ORS x 7/8 SAE	
	158061-08	4	• • O-Ring ORFS	(Not Illustrated)
	002218104	4	• • O-Ring SAE	(Not Illustrated)
29	002568020	2	• Cap, 11/16 ORS	
30	158007-01	1	• Fitting, 90 Deg 11/16 ORS x 9/16 SAE	
	158061-01	1	• • O-Ring ORFS	(Not Illustrated)
	002218065	1	• • O-Ring SAE	(Not Illustrated)
31	002498400	1	• Fitting, M/M/F 11/16 ORS	
	158061-01	2	• • 158061-01	(Not Illustrated)
32	158059-04	1	• Fitting, 45 Deg 11/16 ORFS x 9/16 SAE	
	158061-01	1	• • O-Ring ORFS	(Not Illustrated)
	002218065	1	• • O-Ring SAE	(Not Illustrated)
33	158056-01	2	• Fitting, 3/4 SAE 13/16" ORFS	
	158061-02	2	• • O-Ring ORFS	(Not Illustrated)

> Change from previous revision

86.1 Three Wheel Drive Kit (Continued)

Illustration Number: LMAC418-K



Item	Part No.	Qty.	Description	Serial Numbers/Notes
34	002218081	2	• • O-Ring SAE	(Not Illustrated)
	002540050	1	• Fitting, 1" ORFS	
35	158061-08	3	• • O-Ring ORFS	(Not Illustrated)
	158010-02	2	• Fitting, M/F/M 1 ORS	
	158061-08	2	• • O-Ring ORFS	(Not Illustrated)

> Change from previous revision

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