



# Parts Manual

## ***Ransomes Parkway 3 Meteor™***

With ROPS Series: JX  
Product code:LGNN344

With Cab Series: JY  
Product code:LGNN345

### **WARNING**

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

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.

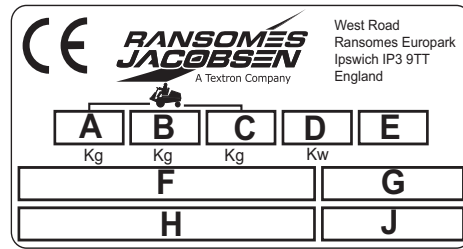
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## INTRODUCTION

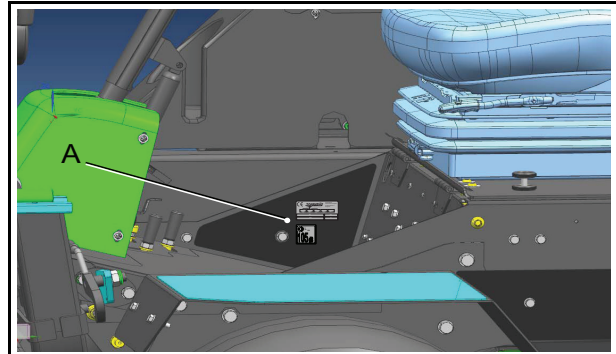
### PRODUCT IDENTIFICATION

- 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



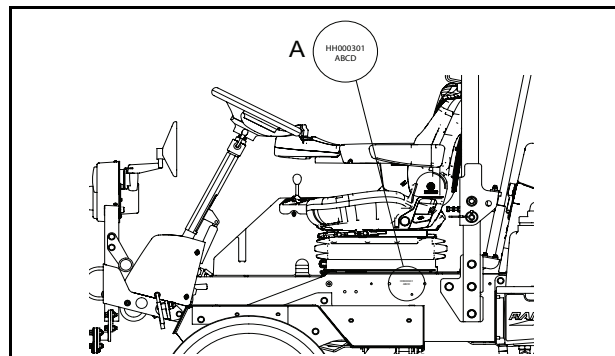
### SERIAL PLATE LOCATION

The serial plate and guaranteed sound power decal A is located on the chassis, inside the foot well.



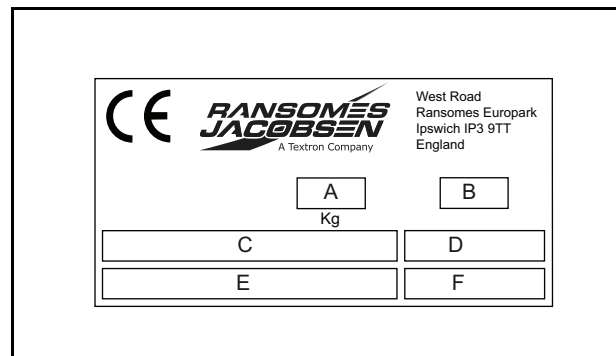
### Chassis Stamping

The Serial number and date code (A) are stamped on the left hand chassis plate under the seat plate



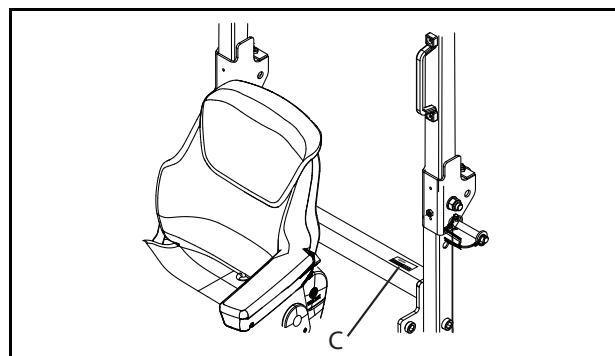
### ROPS Serial Plate

- 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.





**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 it's part number with component parts being listed offset to the right, e.g:-

<b>ITEM</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>REMARKS</b>
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 Assembly	1	(Rear)
4301.2	008170390	•• Tyre	1	
4301.3	008161830	•• Rim	1	
4301.4	008169140	•• Hub Assembly.	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.

**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  
AR As 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.

**SPARES STOCKING GUIDE**

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.

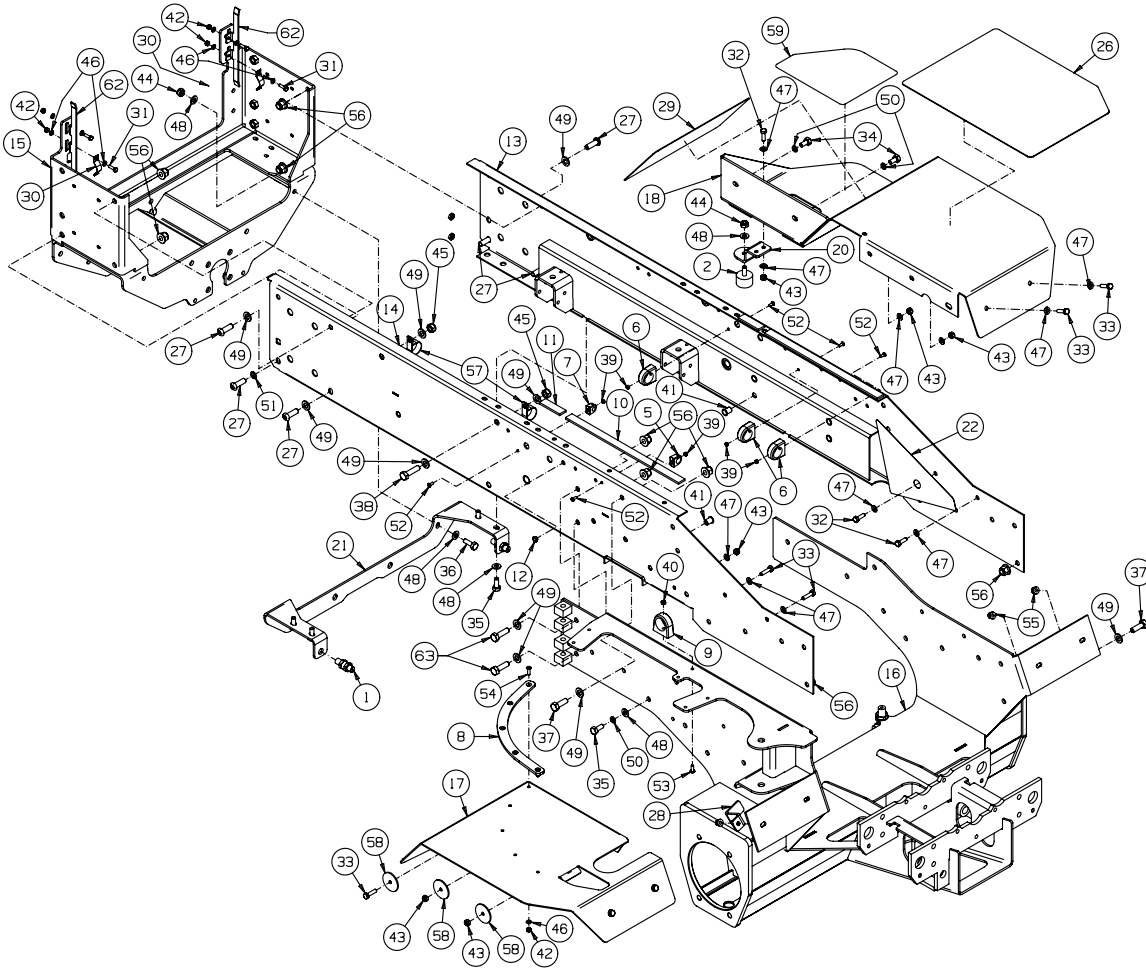
SERVICE SUPPORT MATERIAL	
Part No.	Description
25039G-GB	Safety & Operators Manual United Kingdom
25039G-BE	Safety & Operators Manual Belgium
25039G-DE	Safety & Operators Manual Germany
25039G-DK	Safety & Operators Manual Denmark
25039G-ES	Safety & Operators Manual Spain
25039G-FI	Safety & Operators Manual Finland
25039G-FR	Safety & Operators Manual France
25039G-IT	Safety & Operators Manual Italy
25039G-NL	Safety & Operators Manual Netherlands
25039G-PT	Safety & Operators Manual Portugal
25039G-SE	Safety & Operators Manual Sweden

**SERVICE PARTS**

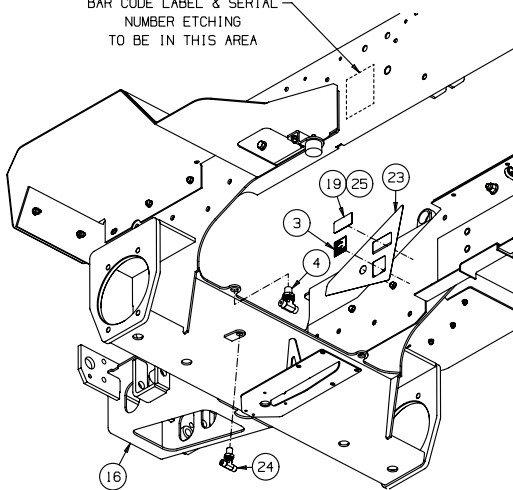
SERVICE PARTS			
Part No.	Description	Part No.	Description
2198147-01	Air Filter Element	LMSE213	Meteor Flail Kit (8 per unit)
4283852	Hydraulic Oil Filter Element	LMSE214	Y Flail Blade Kit (8 per unit)
4172700	In line Fuel Filter	4192422	Sport 200 4K Cutting Cylinder
178078	Fuel Filter Element	4192423	Sport 200 6K Cutting Cylinder
J557759	Engine Oil Filter	4192424	Sport 200 8K Cutting Cylinder
		4231522	Magna 250 8K Cutting Cylinder
		231520	Magna 250 4K Cutting Cylinder
		4231521	Magna 6K Cutting Cylinder
		MBA7024A	Bottom Blade (Standard)
		MBA7037A	Bottom Blade (Thin)

MAINFRAME

Illustration Number: 4236462-m-4\_mainframe

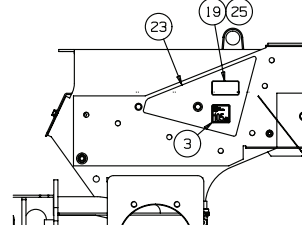


(d)  
BAR CODE LABEL & SERIAL  
NUMBER ETCHING  
TO BE IN THIS AREA



SERIAL PLATE AND NOISE DECAL TO BE POSITIONED  
IN CUT-OUTS IN ANTI-SLIP MAT

NOTE ONLY ONE SERIAL PLATE SHOULD BE ATTACHED  
(#46 OR #47 AS APPROPRIATE)



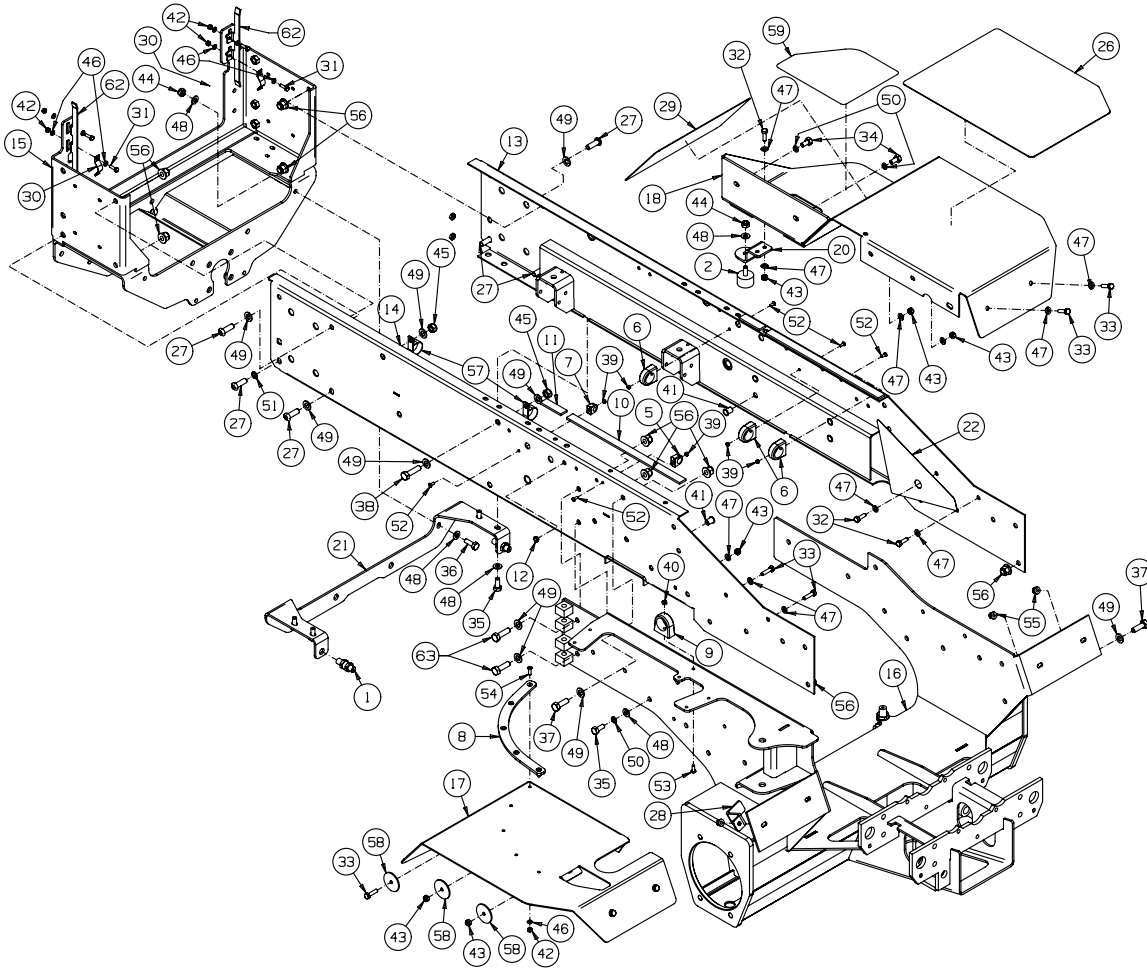
TORQUE REQUIREMENTS		
THREAD SIZE	GRADE	TIGHTENING TORQUE (Nm)
M 8 - 1.25	8.8	30.5
M 10 - 1.5	8.8	61.7
M 12 - 1.75	8.8	105.6

## MAINFRAME

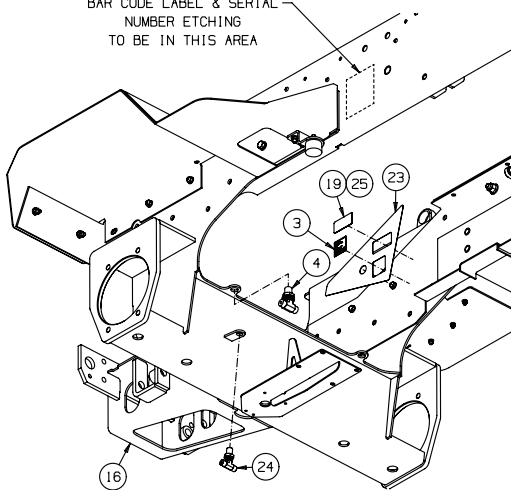
ITEM	PART NO.	DESCRIPTION	QTY	
1	002590290	Fitting - Bulkhead M/m 9/16 ORS	2	
2	002994060	Rubber Mount	1	
3	009034770	Decal - Noise 105 db	1	
4	4136396	Tee - M/m/bulkhead 11/16 ORS	1	
5	4161527	Conduit Clamp - 16mm	1	
6	4161528	Conduit Clamp - 28mm	3	
7	4167146	Conduit Clamp - 10mm	1	
8	4198640	Pad - Swing Out Arm	1	
9	4205252	Conduit Clamp - 32mm	1	
10	4221862	Rubber Strip, Front	2	
11	4221863	Rubber Strip, Back	2	
12	4229680	Quick Fit Grommet	1	
13	4231981	Welded Assembly - Rail Frame, LH	1	
14	4231982	Welded Assembly - Frame Rail, RH	1	
15	4231987	Welded Assembly - Rear Frame	1	
16	4231988	Welded Assembly - Front Axle	1	
17	4237706	Welded Assembly - Rh Mudguard	1	
18	4238302	Welded Assembly - LH Mudguard	1	
19	N/A	Serial Plate	1	
20	4240362	Bracket - LH Centre Bump Stop	1	
21	4241762	Bracket - Chassis Stiffener	1	
22	4249450	Anti Slip - Platform LH Side	1	
23	4249451	Anti Slip - Platform Rh Side	1	
24	4251490	Bulkhead Tee - M/m/m 9/16 ORS	1	
25	N/A	Serial Plate	1	
26	4260371	Anti Slip - Mudguard LH	1	
27	4285291	Screw - Button Hd M2 x 35	6	
28	4265230	Hydraulic Hose Clip	1	
29	4268422	Anti Slip, LH Mudguard Slope	1	
30	4270292	Strip Spring	2	
31	450171	Screw - Hex M6 - 1.0 X 20	4	
32	450192	Screw - Hex M8 - 1.25 X 25	4	
33	450193	Screw - Hex M8 - 1.25 X 30	7	
34	450213	Screw - Hex M10 - 1.5 X 20	2	
35	450214	Screw - Hex M10 - 1.5 X 25	5	
36	450215	Screw - Hex M10 - 1.5 X 30	2	
37	450242	Screw - Hex M12 - 1.75 X 35	3	
38	450244	Screw - Hex M12 - 1.75 X 45	1	
39	450322	Nut - Hex M5 - 0.8	5	
40	450323	Nut - Hex M6 - 1.0	1	

MAINFRAME

Illustration Number: 4236462-m-4\_mainframe

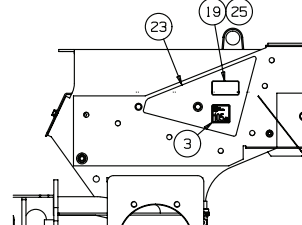


(d)  
BAR CODE LABEL & SERIAL  
NUMBER ETCHING  
TO BE IN THIS AREA



SERIAL PLATE AND NOISE DECAL TO BE POSITIONED  
IN CUT-OUTS IN ANTI-SLIP MAT

NOTE ONLY ONE SERIAL PLATE SHOULD BE ATTACHED  
(#46 OR #47 AS APPROPRIATE)



TORQUE REQUIREMENTS

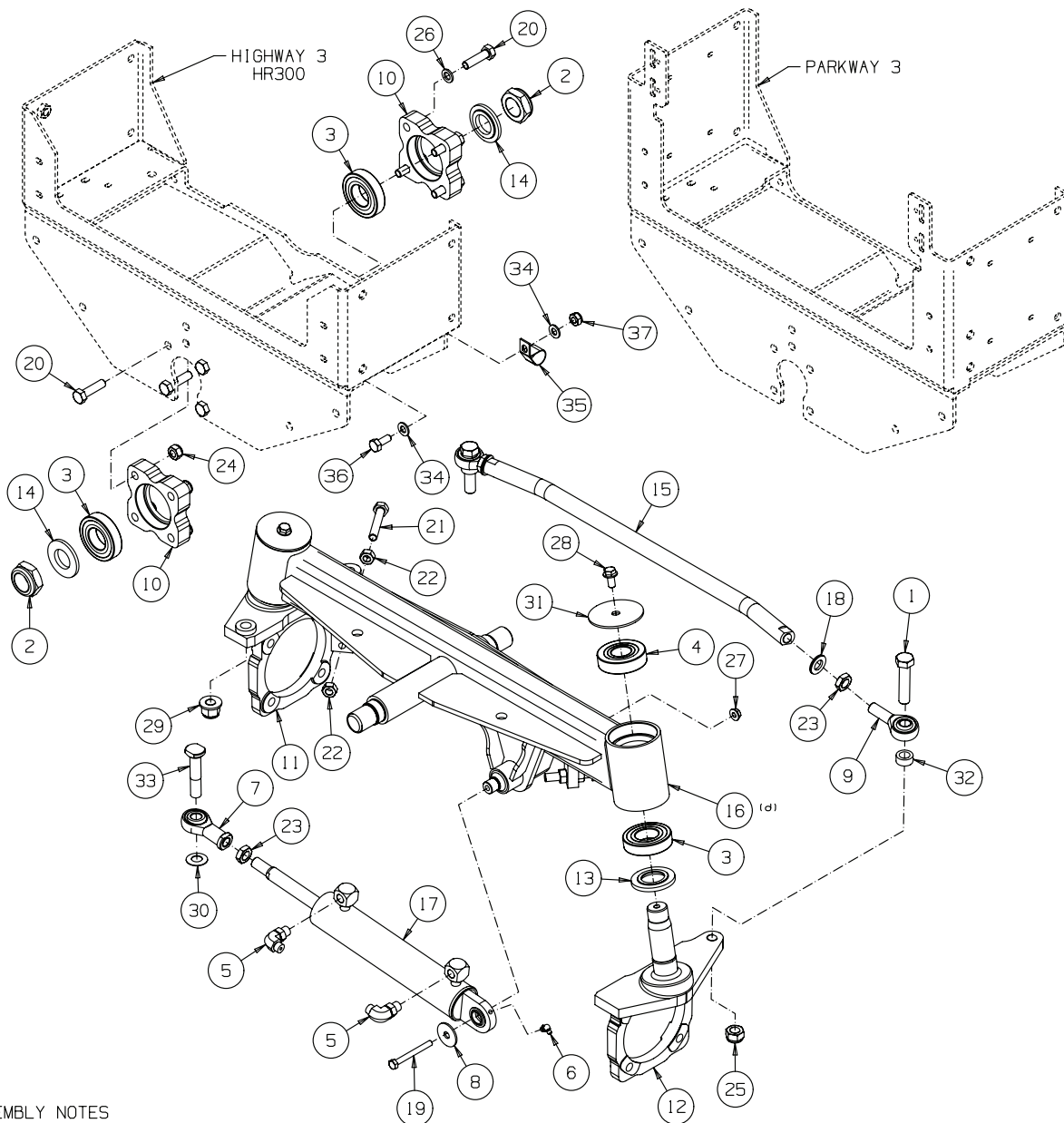
THREAD SIZE	GRADE	TIGHTENING TORQUE (Nm)
M 8 - 1.25	8.8	30.5
M 10 - 1.5	8.8	61.7
M 12 - 1.75	8.8	105.6

## MAINFRAME

ITEM	PART NO.	DESCRIPTION	QTY	
41	450369	M8 - 1.25 Nutsert	8	
42	450377	Nut - Hex M6 - 1.0, Nyloc	9	
43	450378	Nut - Hex M8 - 1.25, Nyloc	7	
44	450379	Nut - Hex M10 - 1.5, Nyloc	3	
45	450380	Nut - Hex M12 - 1.75, Nyloc	2	
46	450389	Washer - M6 X 12.5 X 1.8	13	
47	450390	Washer - M8 X 17 X 1.8	15	
48	450391	Washer - M10 X 21 X 2.2	12	
49	450392	Washer - M12 X 24 X 2.7	12	
50	450412	Lockwasher - M10 X 15.9 X 2.5	3	
51	450413	Lockwasher - M12 X 17.9 X 2.5	2	
52	450526	Screw - Pan Hd M5 - 0.8 X 12	5	
53	450541	Screw - Pan Hd M6 - 1.0 X 16	1	
54	450620	Screw - Countersunk M6 - 1.0 X 20	5	
55	452436	Nut - Hex M8 Flange Nyloc	4	
56	452438	Nut - Nyloc M12 Flange	9	
57	48228 - 06	P - Clip	2	
58	Mbc1697	Washer - 8.33 X 50.8 X 3	3	
59	Mbg4891	Anti Slip - Step LH	1	
62	4290912	Bug Screen Guide	2	
63	450243	Screw - Hex M12 - 1.75 X 40	2	

REAR AXLE

Illustration Number: 4230447-e-2\_rear axle



ASSEMBLY NOTES

1. LOCTITE 243 LOCKNUT (ITEM 23) & ROD END (ITEM 7) TO STEERING RAM (ITEM 17) & TORQUE TO 100 Nm (74 LBF-FT)
2. TORQUE NUT (ITEM 29) FOR MOTOR MOUNT BOLT (ITEM 33) TO 210 Nm (155 LBF-FT)
3. TORQUE NUTS (ITEM 23) FOR TRACK ROD (ITEM 15) TO 210 Nm (155 LBF-FT)

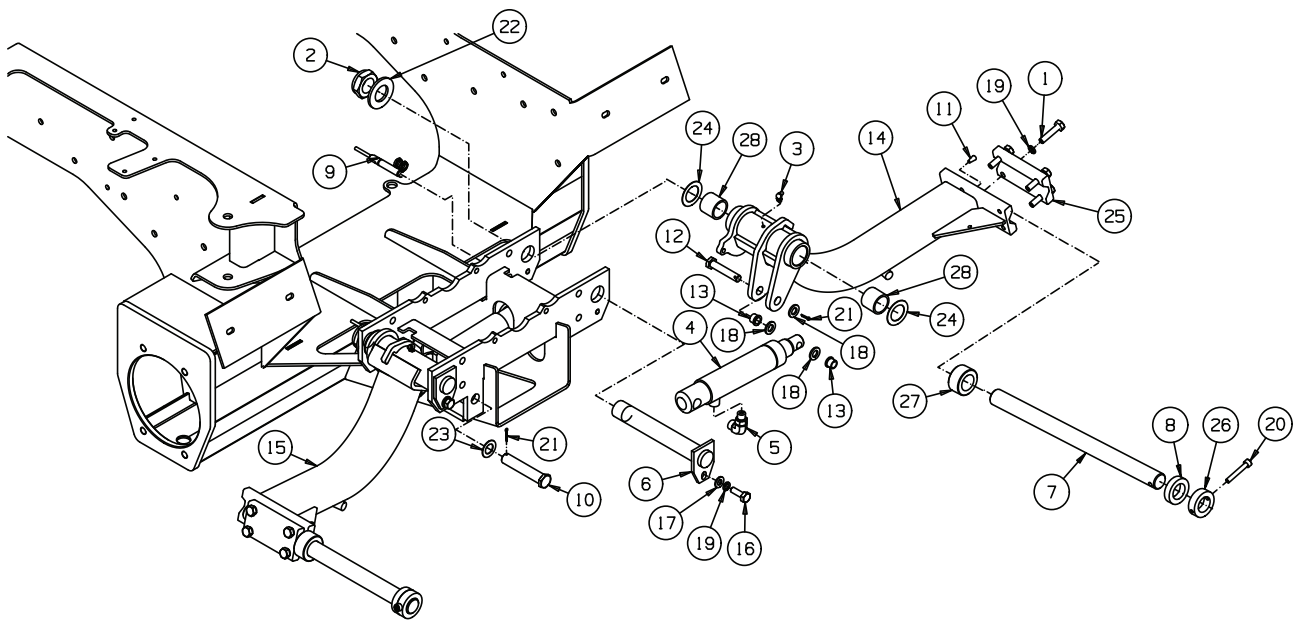


## REAR AXLE

ITEM	PART NO.	DESCRIPTION	QTY	
1	001009740	Bolt - Hex M16 - 2 X 70	2	
2	001393820	Nut - Hex 1 - 1/4 - 12 Nyloc	2	
3	002036070	Bearing - Ball 35 X 72 X 17	4	
4	002037061	Bearing - Ball 30 X 72 X 19	2	
5	002525010	90 - M/M 9/16 ORS X 9/16 SAE	2	
6	002993160	Lubricator - M6 X 90 Degree	1	
7	4307076	Rod End	1	
8	452101510	Washer - 3/8 X 1 - 1/2 X.104	1	
9	4307075	Rod End	2	
10	4200182	Bearing Housing - Rear Axle	2	
11	4200320	Motor Mount LH	1	
12	4200321	Motor Mount RH	1	
13	4200322	Washer - King Pin	2	
14	4200323	Washer - Axle Pivot	2	
15	4200324	Track Rod	1	
16	4230497	Rear Axle	1	
17	4244292	D/A Hydraulic Cylinder, 20 X 203	1	
18	4244645	AV Washer - 17 X 30.7 X 3.4	2	
19	450023	Bolt - Hex M8 - 1.25 X 75	1	
20	450049	Bolt - Hex M12 - 1.75 X 45	8	
21	450249	Screw - Hex M12 - 1.75 X 70	2	
22	450326	Nut - Hex M12 - 1.75	4	
23	450334	Nut - Hex M16 - 2.0, Thin	3	
24	450380	Nut - Hex M12 - 1.75, Nyloc	4	
25	450382	Nut - Hex M16 - 2.0, Nyloc	2	
26	450424	Lock Washer - M12 X 21 X 2.65	4	
27	450453	Nut - Hex M8 - 1.25,	1	
28	450477	Screw - Hex M10 - 1.5 X 20,	2	
29	452439	Nut - Hex M16 Flange Nyloc	1	
30	461901564	Spring - Disc 16 X 31.8 X 1.02	1	
31	MBA2397A	Washer - 11 X 82 X 3	2	
32	MBF1270A	Spacer - Track rod End	2	
33	MBF1544A	Bolt - Motor Mount	1	
34	450391	Washer - M10 X 21 X 2.2	4	
35	469016509	P - Clip	2	
36	450214	Screw - Hex M10 - 1.5 X 25	2	
37	450379	Nut - Hex M10 - 1.5, Nyloc	2	

FRONT UNIT MOUNTING NONE CAB

Illustration Number: 4283994-3\_front\_unit\_mtg\_no\_cab.eps

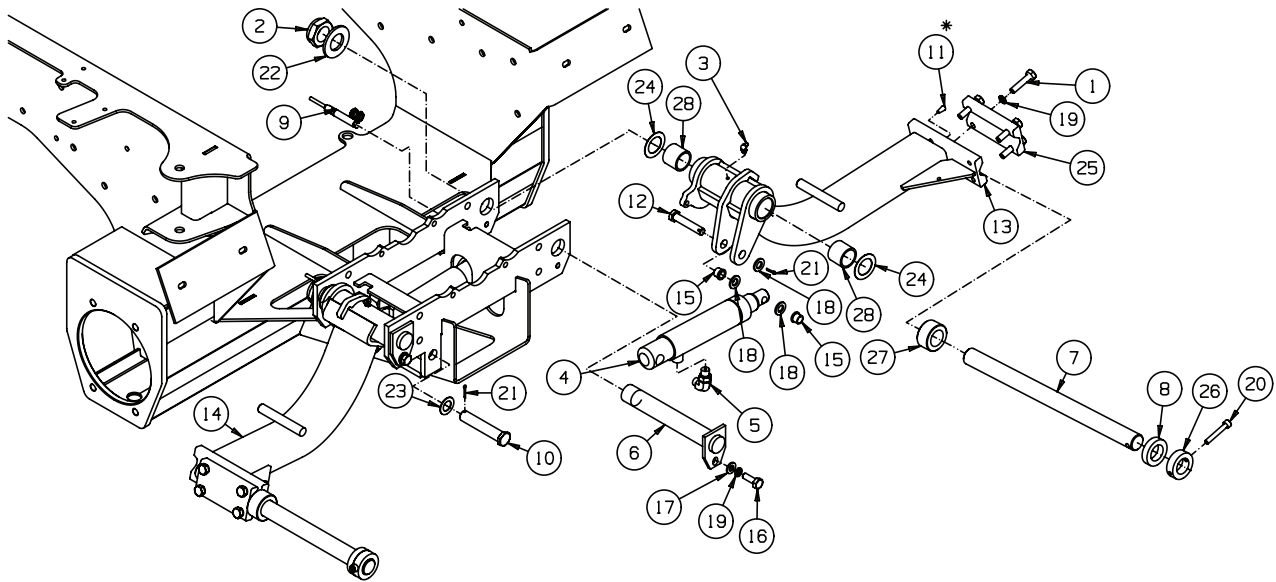


## FRONT UNIT MOUNTING NONE CAB

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001009750	Bolt - Hex M10 - 1.5 X 45	8	
2	001393820	Nut - Hex 1 - 1/4 - 12 Nyloc	2	
3	002993160	Lubricator - M6 X 90 Deg	2	
4	009027324	Hydraulic Ram	2	
5	158007 - 01	90 - M/m 11/16 Ors X 9/16 SAE	2	
6	2206051.07	Welded Assembly - Pivot Pin Rear	2	
7	4117977	Pivot Shaft	2	
8	4164280	Collar 30.5 X 50 X 12	2	
9	4197063	Inductive Sensor	2	
10	4203741	Pivot Pin - Lift Ram	2	
11	4221920	Plug - Tapered 8.74 X 15.88	2	
12	4222462	Pin - Lift Ram	2	
13	4252550	Bush - Flange 1/2" X 5/8" X 1/2", Oilite	4	
14	4243102	Welded Assembly - Lift Arm, Front LH	1	
15	4243103	Welded Assembly - Lift Arm, Front RH	1	
16	450215	Screw - Hex M10 - 1.5 X 30	2	
17	450391	Washer - M10 X 21 X 2.2	2	
18	450392	Washer - M12 X 24 X 2.7	6	
19	450412	Lockwasher - M10 X 15.9 X 2.5	10	
20	450729	CapScrew - Hex Socket M8 - 1.25 X 50	2	
21	451241	Split Pin - 3.2 X 22	4	
22	452000693	Washer - 1.1/4 X 2 - 3/8 X .176	2	
23	548168	Washer - .766 X 1.312 X .047	2	
24	62464 - 4A	Washer - Thrust 1.250 X 1.937 X .030	4	
25	Mbg3772.7	Clamp	2	
26	MBG4592	Collar	2	
27	MBG4653	Collar	2	
28	W108003	Bush - 1 - 1/4 X 1 - 1/2 X 1 - 1/4	4	

FRONT UNIT MOUNTING WITH CAB

Illustration Number: 4283991-3\_front\_unit\_mtg\_with\_cab

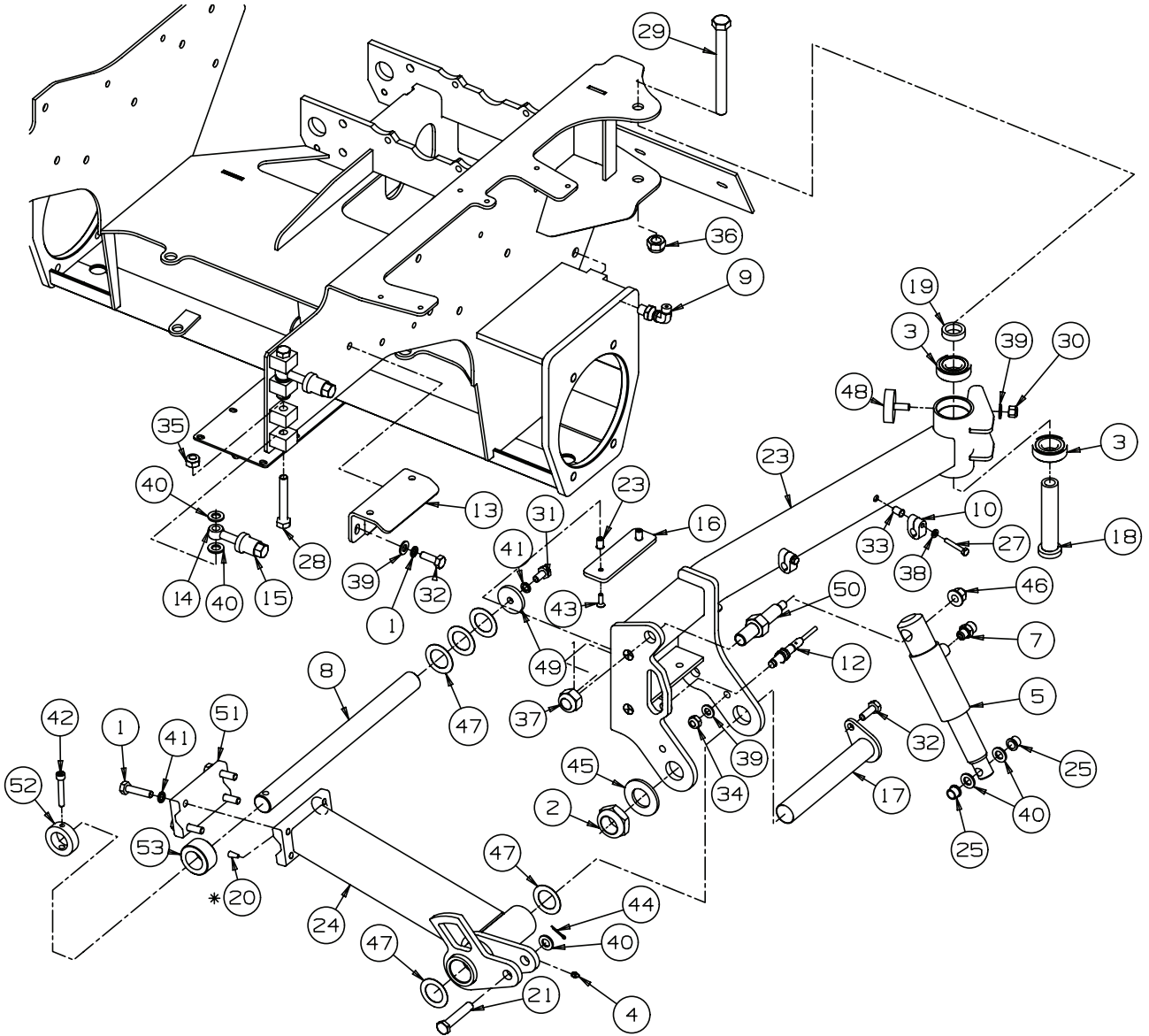


## FRONT UNIT MOUNTING WITH CAB

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001009750	Bolt - Hex M10 - 1.5 X 45	8	
2	001393820	Nut - Hex 1 - 1/4 - 12 Nyloc	2	
3	002993160	Lubricator - M6 X 90 Deg	2	
4	009027324	Hydraulic Ram	2	
5	002525010	90 - M/m 9/16 Ors X 9/16 SAE	2	
6	2206051.07	Welded Assembly - Pivot Pin Rear	2	
7	4117977	Pivot Shaft	2	
8	4164280	Collar 30.5 X 50 X 12	2	
9	4197063	Inductive Sensor	2	
10	4203741	Pivot Pin - Lift Ram	2	
11	4221920	Plug - Tapered 8.74 X 15.88	2	
12	4222462	Pin - Lift Ram	2	
13	4256190	Welded Assembly - Lift Arm, Front LH	1	
14	4256191	Welded Assembly - Lift Arm, Front RH	1	
15	4252550	Bush - Flange 1/2" X 5/8" X 1/2", Oilite	4	
16	450215	Screw - Hex M10 - 1.5 X 30	2	
17	450391	Washer - M10 X 21 X 2.2	2	
18	450392	Washer - M12 X 24 X 2.7	6	
19	450412	Lockwasher - M10 X 15.9 X 2.5	10	
20	450729	CapScrew - Hex Socket M8 - 1.25 X 50	2	
21	451241	Split Pin - 3.2 X 22	4	
22	452000693	Washer - 1.1/4 X 2 - 3/8 X .176	2	
23	548168	Washer - .766 X 1.312 X .047	2	
24	62464 - 4A	Washer - Thrust 1.250 X 1.937 X .030	4	
25	Mbg3772.7	Clamp	2	
26	MBG4592	Collar	2	
27	MBG4653	Collar	2	
28	W108003	Bush - 1 - 1/4 X 1 - 1/2 X 1 - 1/4	4	

CENTRE UNIT MOUNTING

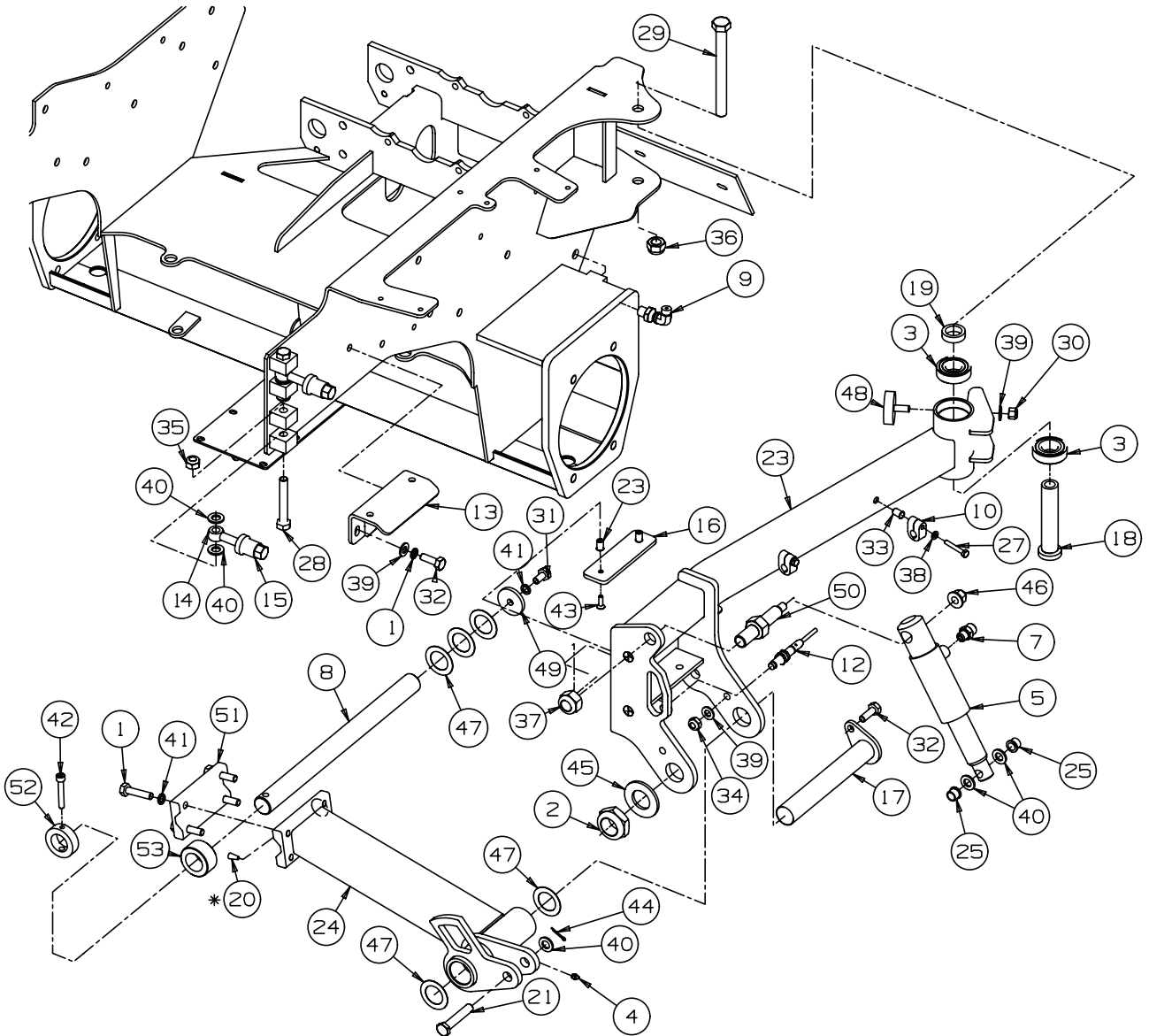
Illustration Number: 4283993-4\_centre\_unit\_mtg



## CENTRE UNIT MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001009750	Bolt - Hex M10 - 1.5 X 45	4	
2	001393820	Nut - Hex 1 - 1/4 - 12 Nyloc	1	
3	002036057	Bearing - Ball 25 X 52 X 15	2	
4	002993013	Lubricator - M6 Straight	1	
5	009027316	Hydraulic Ram	1	
6	009027324	Hydraulic Ram	1	
7	158006 - 01	Fitting - M/m 11/16 Ors X 9/16 SAE	1	
8	4118038	Pivot Shaft	1	
9	4140337	90 Bulkhead - 9/16 Orfs	1	
10	4150297	Single Clamp 12 Mm	2	
11	4197063	Nut - Hex M12 - 1.0	2	
12	4205251	Inductive Sensor	1	
13	4205485	Welded Assembly - Support, Centre Unit Mounting	1	
14	4206187	Eye Bolt	2	
15	4207521	Clamp Bolt	2	
16	4207522	Pad - Lift Arm Mounting, Centre	1	
17	4210861	Welded Assembly - Pivot Pin	1	
18	4211541	Spacer - Swing Arm Mounting	1	
19	4211542	Spacer - Swing Arm Mounting	1	
20	4221920	Plug - Tapered 8.74 X 15.88	1	
21	4222462	Pin - Lift Ram	1	
22	4231988	Welded Assembly - Front Axle	1	
23	4238882	Welded Assembly - Swing Arm	1	
24	4238884	Welded Assembly - Centre Lift Arm	1	
25	4252550	Bush - Flange 1/2" X 5/8" X 1/2", Oilite	2	
26	4254750	47 - 49mm Id Texstrip Belt	1	
27	450003	Bolt - Hex M6 - 1.0 X 40	2	
28	450056	Bolt - Hex M12 - 1.75 X 80	2	
29	450084	Bolt - Hex M16 - 2.0 X 160	1	
30	450120267	Nut - Hex 3/8 - 16, Nyloc	1	
31	450213	Screw - Hex M10 - 1.5 X 20	1	
32	450215	Screw - Hex M10 - 1.5 X 30	3	
33	450357	M6 - 1.0 Nutsert	2	
34	450379	Nut - Hex M10 - 1.5,nyloc	1	
35	450380	Nut - Hex M12 - 1.75, Nyloc	2	
36	450382	Nut - Hex M16 - 2.0, Nyloc	1	
37	450383	Nut - Hex M20 - 2.5, Nyloc	1	
38	450389	Washer - M6 X 12.5 X 1.8	2	
39	450391	Washer - M10 X 21 X 2.2	5	
40	450392	Washer - M12 X 24 X 2.7	7	
41	450412	Lockwasher - M10 X 15.9 X 2.5	7	
42	450729	CapScrew - Hex Socket M8 - 1.25 X 50	1	

Illustration Number: 4283993-4\_centre\_unit\_mtg



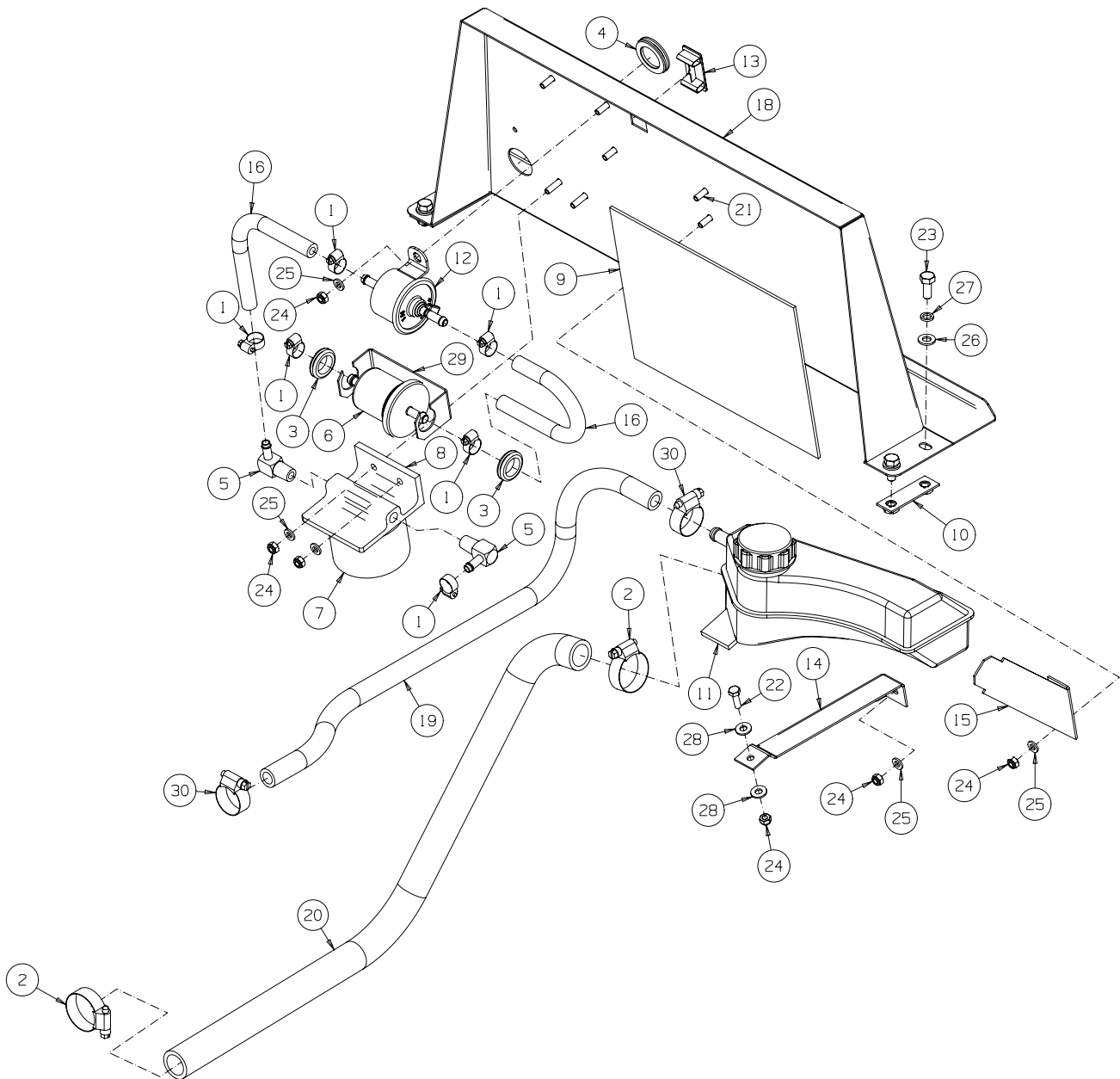


## CENTRE UNIT MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
43	450853	Screw - M6 - 1.0 X 20	2	Countersunk Hex Socket
44	451241	Split Pin - 3.2 X 22	1	
45	452000693	Washer - 1.1/4 X 2 - 3/8 X .176	1	
46	452438	Nut - Nyloc M12 FIng	1	
47	62464 - 4A	Washer - Thrust 1.250 X 1.937 X .030	5	
48	J361723	Bumper Stop	1	
49	MBE0115	Washer	1	
50	MBE3699A	Pin Ram Support	1	
51	MBG3772.7	Clamp	1	
52	MBG4592	Collar	1	
53	MBG4653	Collar	1	

BULKHEAD

Illustratio: 4244810\_bulkhead

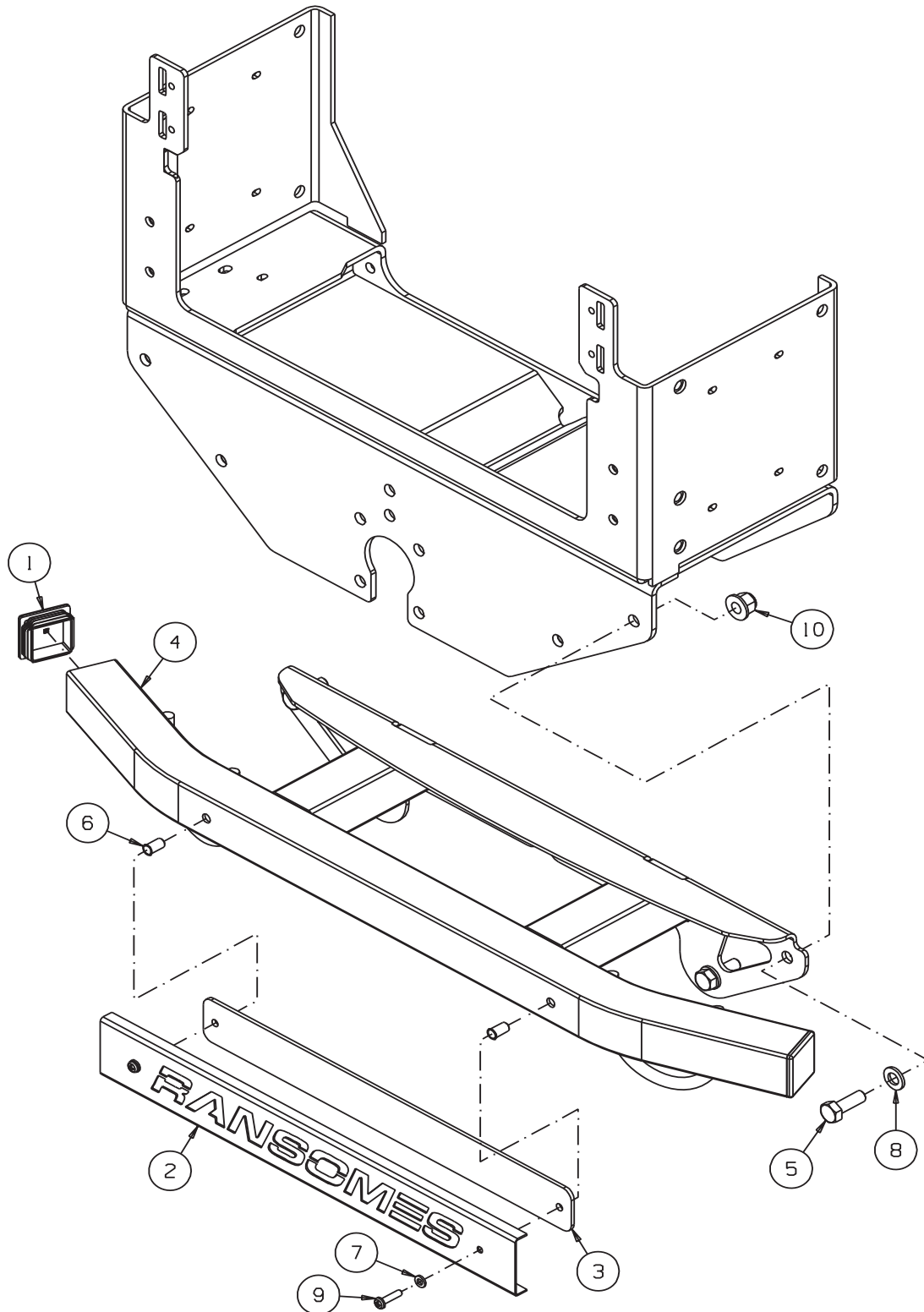


## BULKHEAD

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001925160	Hose Clamp, 6-16	6	
2	001925400	Hose Clamp, 19-40	2	
3	002953223	Grommet-20 X 31 X 7.5	2	
4	002953320	Grommet	1	
5	4240442	90 - M/M 1/4 NPTF X 5/16 BARB	2	
6	4172700	In - Line Fuel Filter	1	
7	178078	Coaleser Filter	1	
8	178081	Filter Head	1	
9	4117825	Heat Insulation	1	
10	4118558	Welded Assembly - Keep Plate	2	
11	4123826	Expansion Tank & Cap	1	
12	4126806	Electric Fuel Pump	1	
13	4135853	Mounting Panel Plug	1	
14	4156420	Bracket - Water Bottle LH	1	
15	4156421	Bracket - Water Bottle RH	1	
16	4262993	Fuel Hose - 05R6-220	2	
17	4194223	Hose - Engine To Fuel Filter	1	
18	4244811	Welded Assembly - Bulkhead	1	
19	4163591	Hose - Radiator To Header Tank	1	
20	4244834	Hose - Expansion Tank Large	1	
21	450170	Screw - Hex M6-1.0 X 16, Gr 8.8	7	
22	450171	Screw - Hex M6-1.0 X 20, Gr 8.8	3	
23	450191	Screw - Hex M8-1.25 X 20, Gr 8.8	4	
24	450377	Nut - Hex M6-1.0, Gr 8, Nyloc	10	
25	450389	Washer - M6 X 12.5 X 1.8	9	
26	450390	Washer - M8 X 17 X 1.8	4	
27	450411	Lockwasher - M8 X 12.75 X 2	4	
28	452100019	Washer-1/4 X 5/8 X 0.064	2	
29	MBG4452b	Fuel Filter Bracket	1	
30	001925320	Hose Clamp, 13-32	2	
31	4262992	Fuel Hose - 05R6-1270	1	
32	4262994	Fuel Hose - 05R6-350	1	
36	W48228-04	Cable Clip	2	

BUMPER AND NAMEPLATE

Illustration Number: 4193008\_rear\_bumper



## BUMPER AND NAMEPLATE

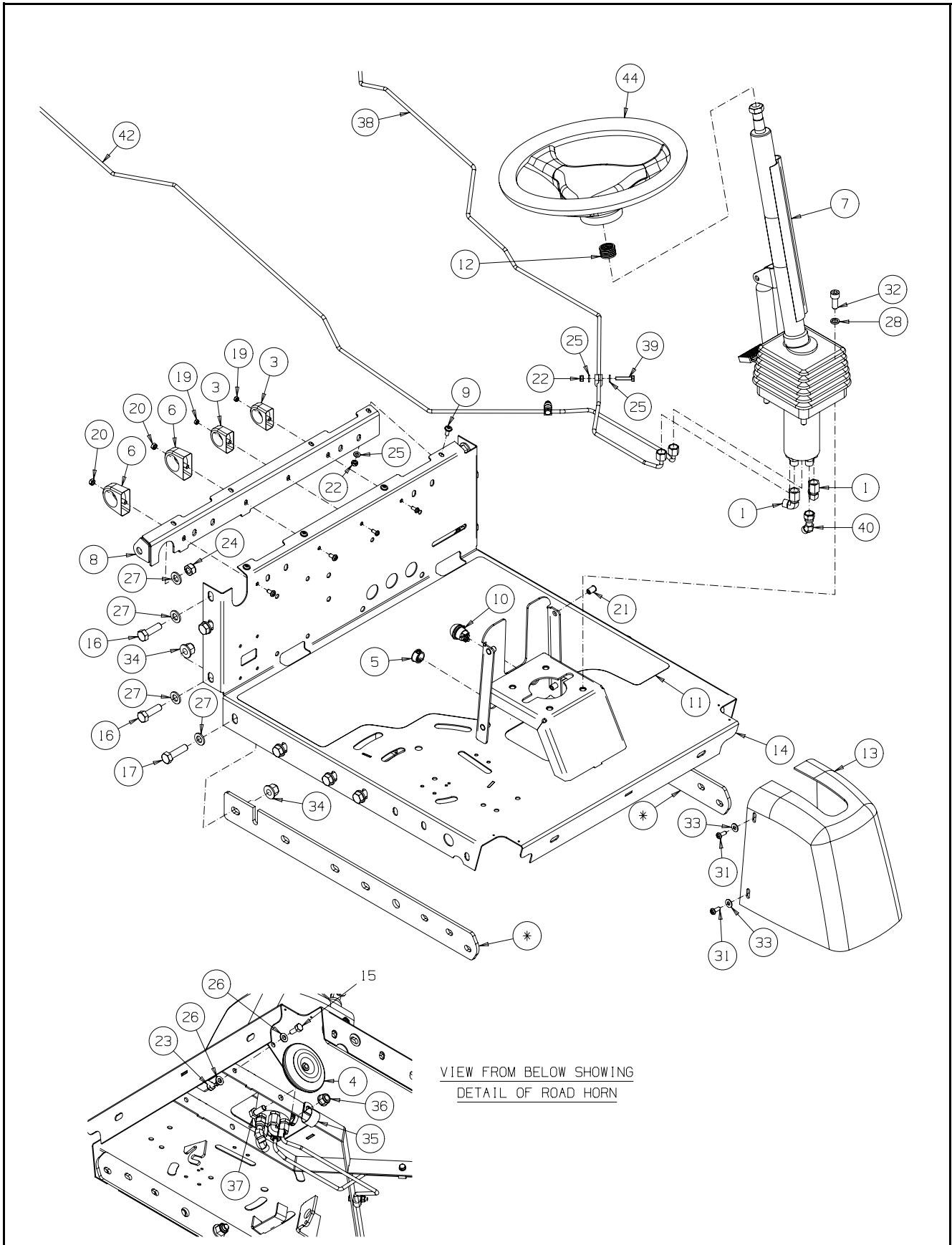
ITEM	PART NO.	DESCRIPTION	QTY.	
1	4282211	End Cap-50 x 50 x 3	2	
2	4161940	Nameplate-Bumper	1	
3	4219940	Backplate-Plastic, Bumper	1	White
4	4213060	Welded Assembly-Bumper	1	
5	450242	Screw-Hex M12 x 35	4	
6	450358	M6 Nutsert	2	
7	450389	Washer-M6 x 12.5 x 1.8	2	
8	450392	Washer-M12 x 24 x 2.7	4	
9	450543	Screw-Pan Hd M6 x 25	2	
10	452438	Nut-Hex M12 Flange Nyloc	4	



## PLATFORM &amp; STEERING COLUMN

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002590450	90 - M/F 9/16 ORS	2	
*	158061-18	• O Ring (For 9/16 UNF)	1	
3	4161528	Conduit Clamp - 28mm	2	
4	4175076	Road Horn - Protected	1	
5	4179501	Dome Plug	1	
6	4205252	Harness Clip	2	
7	4208720	Steering Unit & Column	1	
7*	4152758	• Steering Unit	1	
7*	4198282	• Steering Column	1	
7*	4270219	•• Universal Joint Service Kit	1	
7*	4278451	•• Gas Spring Pivot Service Kit	1	
8	4211000	Welded Assembly - Cross Member	1	
9	4211480	Screw - M6 X 16 Socket Button Head	4	With Flange
10	4212124	Horn Switch	1	
11	4213520	Anti-slip - Platform	1	
12	4221160	Sleeve - Steering Column	1	
13	4230496	Cover - Steering Tower	1	
14	4242782	Welded Assembly - Platform	1	
15	450191	Screw - Hex M8-1.25 X 20	1	
16	450243	Screw - Hex M12-1.75 X 40	5	
17	450244	Screw - Hex M12-1.75 X 45	7	
18	450245	Screw - Hex M12-1.75 X 50	1	
19	450322	Nut - Hex M5-0.8	2	
20	450323	Nut - Hex M6-1.0	2	
21	450357	M6 - Nutsert	4	
22	450377	Nut - Hex M6-1.0, Gr 8, Nyloc	6	
23	450378	Nut - Hex M8-1.25, Gr 8, Nyloc	1	
24	450380	Nut - Hex M12-1.75, Gr 8, Nyloc	1	
25	450389	Washer - M6 X 12.5 X 1.8	8	
26	450390	Washer - M8 X 17 X 1.8	2	
27	450392	Washer - M12 X 24 X 2.7	14	
28	450412	LockWasher - M10 X 15.9 X 2.5	4	
29	450526	Screw - Pan Hd M5-0.8 X 12	2	
30	450539	Screw - Pan Hd M6-1.0 X 12	2	
31	450541	Screw - Pan Hd M6-1.0 X 16	4	
32	450738	CapScrew - Hex Socket M10-1.5 X 25,	4	
33	452100019	Washer - 1/4 X 5/8 X .064	4	
34	452438	Nut - Nyloc M12 Flange	13	
35	469021633	P - Clip	1	
36	452437	Nut Nyloc M10 Flange	1	
37	450214	Screw - Hex M10-1.5 X 25	1	
38	4252291	Hydraulic Tube - Steering LH	1	
39	450173	Screw - Hex M6-1.0 X 30	2	

PLATFORM & STEERING COLUMN



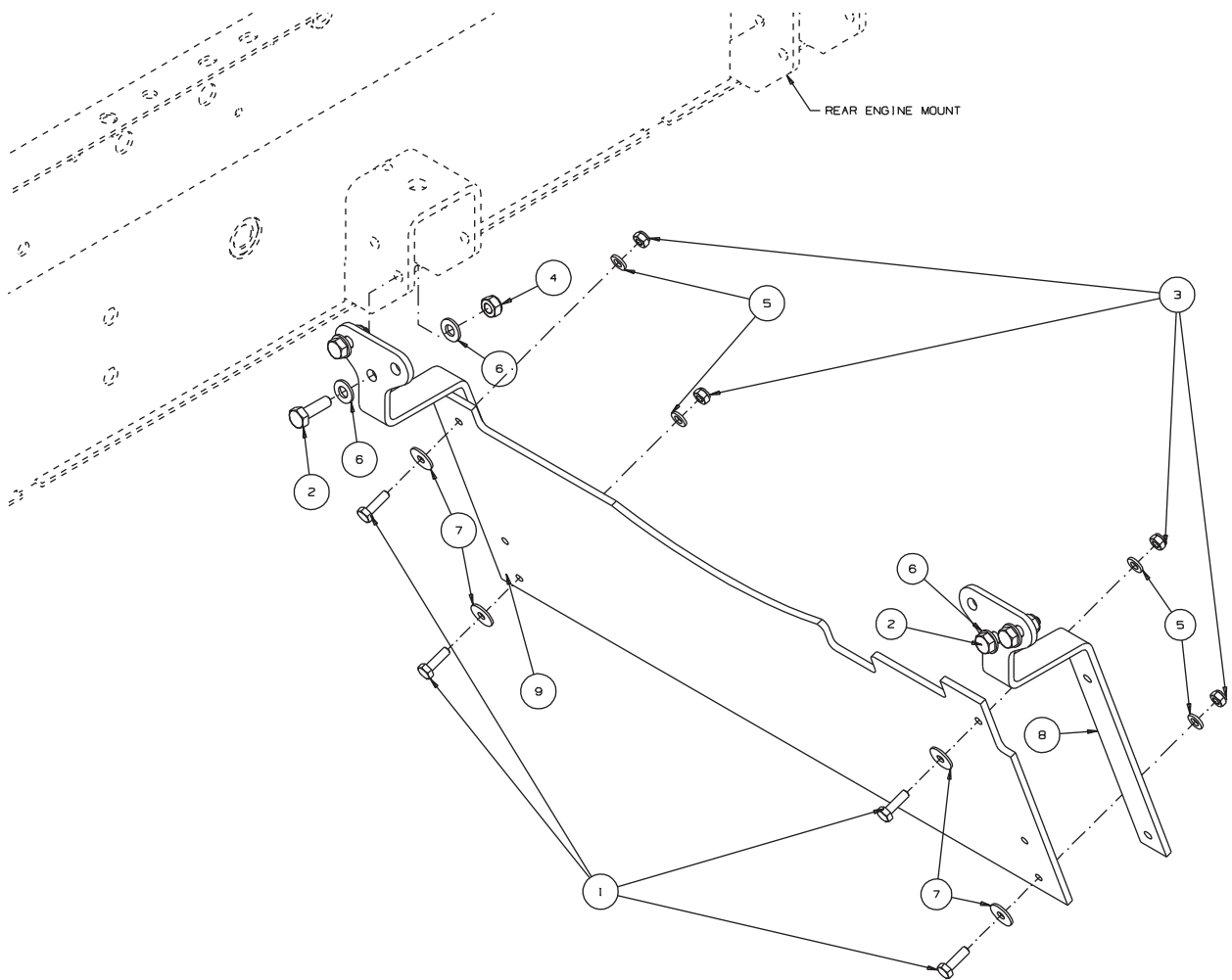


## PLATFORM &amp; STEERING COLUMN

ITEM	PART NO.	DESCRIPTIONQTY.		
40	4254610	Fitting - 9/16 ORFS M/F 45	1	
*	158061-18	• O Ring (For 9/16 UNF)	1	
41	4252710	Clamp - Single OD 1/4	2	
42	4252290	Hydraulic Tube - Steering RH	1	
43	4261511	Screw - Button Hd M12 X 30	1	
44	2811364	Wheel Assembly, Steering	1	

CENTRE UNIT DEFLECTOR

Illustration Number: 4277051\_b\_deflector

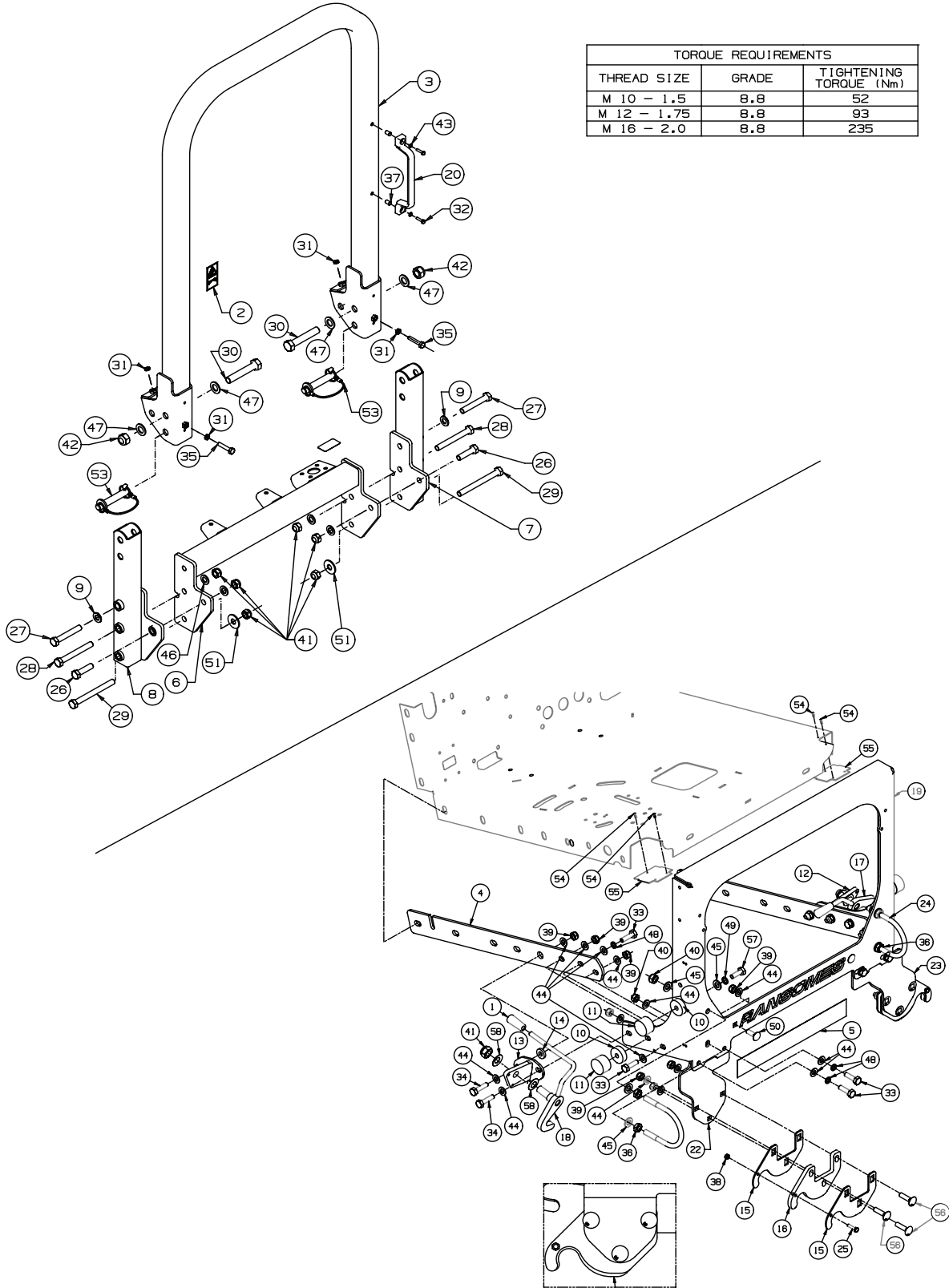


## CENTRE UNIT DEFLECTOR

ITEM	PART NO.	DESCRIPTION	QTY.	
1	450171	Screw - Hex M6-1.0 X 20	4	
2	450192	Screw - Hex M8-1.25 X 25	4	
3	450377	Nut - Hex M6-1.0, Nyloc	4	
4	450378	Nut - Hex M8-1.25, Nyloc	4	
5	450389	Washer - M6 X 12.5 X 1.8	4	
6	450390	Washer - M8 X 17 X 1.8	8	
7	452000237	Washer - 1/4 X 3/4 X 0.064	4	
8	4303036	Bracket	2	
9	4277052	Rubber Deflector Flap	1	

ROPS & HARD POINT (ISO21299)

Illustration Number: 4230448-1\_rops\_iso21299



TORQUE REQUIREMENTS		
THREAD SIZE	GRADE	TIGHTENING TORQUE (Nm)
M 10 - 1.5	8.8	52
M 12 - 1.75	8.8	93
M 16 - 2.0	8.8	235

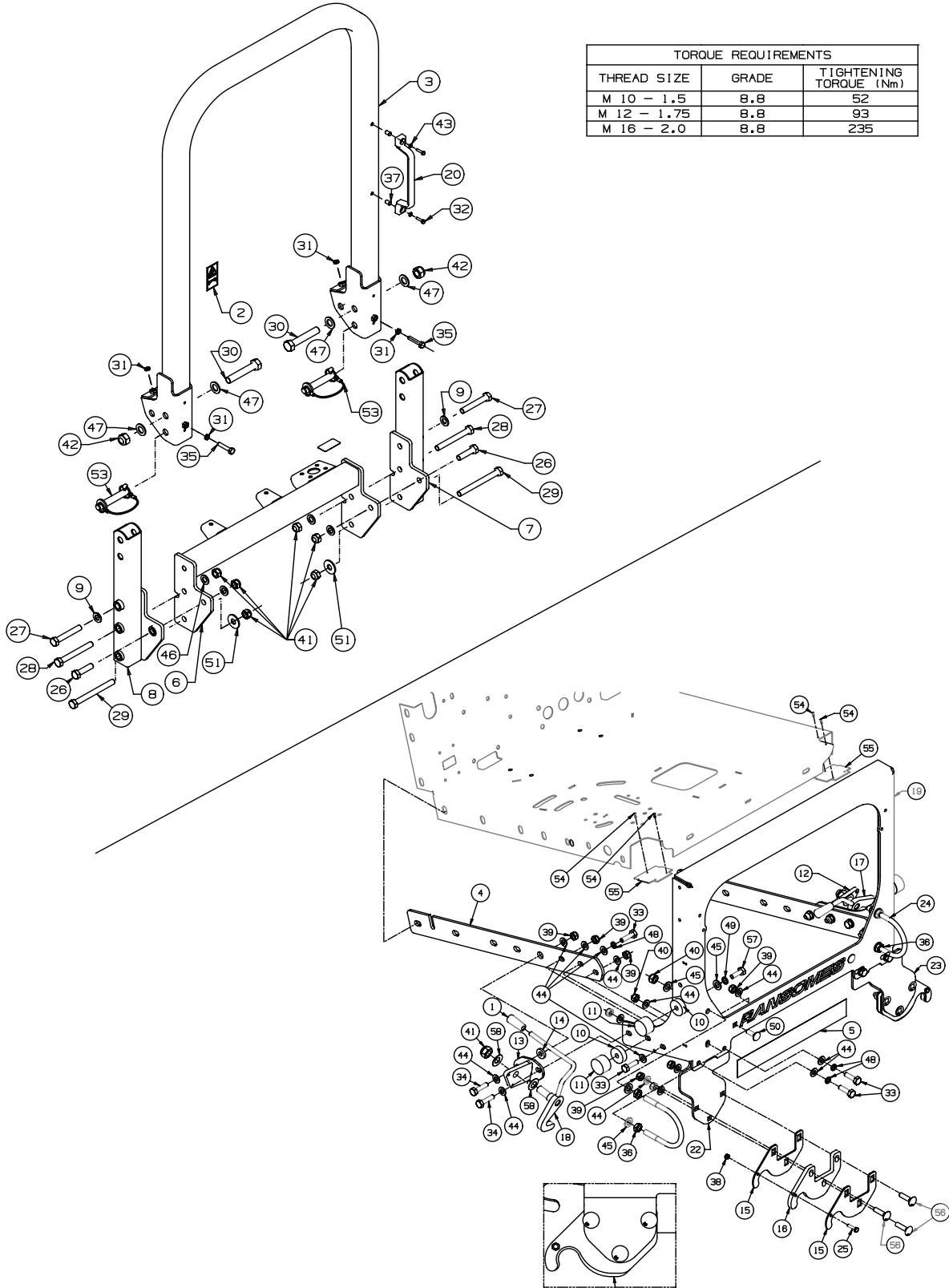
ITEM #20 SHOULD PROTRUDE PAST ITEM #19 AS SHOWN

## ROPS &amp; HARD POINT (ISO21299)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002990227	Knob	2	
2	009114380	Decal: Fasten Seat Belt	1	
3	4201340	Welded Assembly - Rops Frame	1	
4	4202162	Plate - Platform Support	2	
5	4220280	Decal - White Infill	1	
6	4241113	Welded Assembly - Rops Stiffener	1	
7	4241115	Welded Assembly - Rops Support LH	1	
8	4241116	Welded Assembly - Rops Support RH	1	
9	4244645	Av Washer - 17 X 30.7 X 3.4	2	
10	4245210	Spacer - 18x38.1x17	4	
11	4245850	Bump Stop, 40x25 - M10	4	
12	4255010	Welded Assembly - Unit Latch, LH	1	
13	4255031	Welded Assembly - Unit Latch, RH	1	
14	4255090	Pivot Assembly Spacer	2	
15	4255790	Hook - Cutting Unit, Support	4	
16	4255791	Hook - Cutting Unit, Plastic	2	
17	4257050	Welded Assembly Unit Latch - LH	1	
18	4257052	Welded Assembly Unit Latch - RH	1	
19	4259530	1 Piece Hard Point	1	
20	4259710	250 Mm Long Black Pbvc Handle	1	
21		Serial Plate - Rops, Parkway 3	1	(Iso 21299)
22	4281871	Stand Off Bracket RH	1	
23	4281872	Stand Off Bracket LH	1	
24	4282351	U - Bolt	2	
25	450000	Bolt - Hex M6 - 1.0 X 25	2	
26	450071	Bolt - Hex M16 - 2.0 X 60	2	
27	450078	Bolt - Hex M16 - 2.0 X 100	2	
28	450081	Bolt - Hex M16 - 2.0 X 130	2	
29	450084	Bolt - Hex M16 - 2.0 X 160	2	
30	450099	Bolt - Hex M20 - 2.5 X 110	2	
31	450120186	Nut - Hex 3/8 - 16	4	
32	450172	Screw - Hex M6 - 1.0 X 25	2	
33	450216	Screw - Hex M10 - 1.5 X 35	8	
34	450217	Screw - Hex M10 - 1.5 X 40	4	
35	450219	Screw - Hex M10 - 1.5 X 50	2	
36	450333	Nut - Hex M12 - 1.75, Thin	4	
37	450357	M6 - 1.0 Nutsert	2	
38	450377	Nut - Hex M6 - 1.0, Nyloc	2	
39	450379	Nut - Hex M10 - 1.5, Nyloc	18	
40	450380	Nut - Hex M12 - 1.75, Nyloc	4	
41	450382	Nut - Hex M16 - 2.0, Nyloc	8	
42	450383	Nut - Hex M20 - 2.5, Nyloc	2	
43	450389	Washer - M6 X 12.5 X 1.8	2	

ROPS & HARD POINT (ISO21299)

Illustration Number: 4230448-1\_rops\_iso21299



TORQUE REQUIREMENTS		
THREAD SIZE	GRADE	TIGHTENING TORQUE (Nm)
M 10 - 1.5	8.8	52
M 12 - 1.75	8.8	93
M 16 - 2.0	8.8	235

ITEM #20 SHOULD PROTRUDE PAST ITEM #19 AS SHOWN

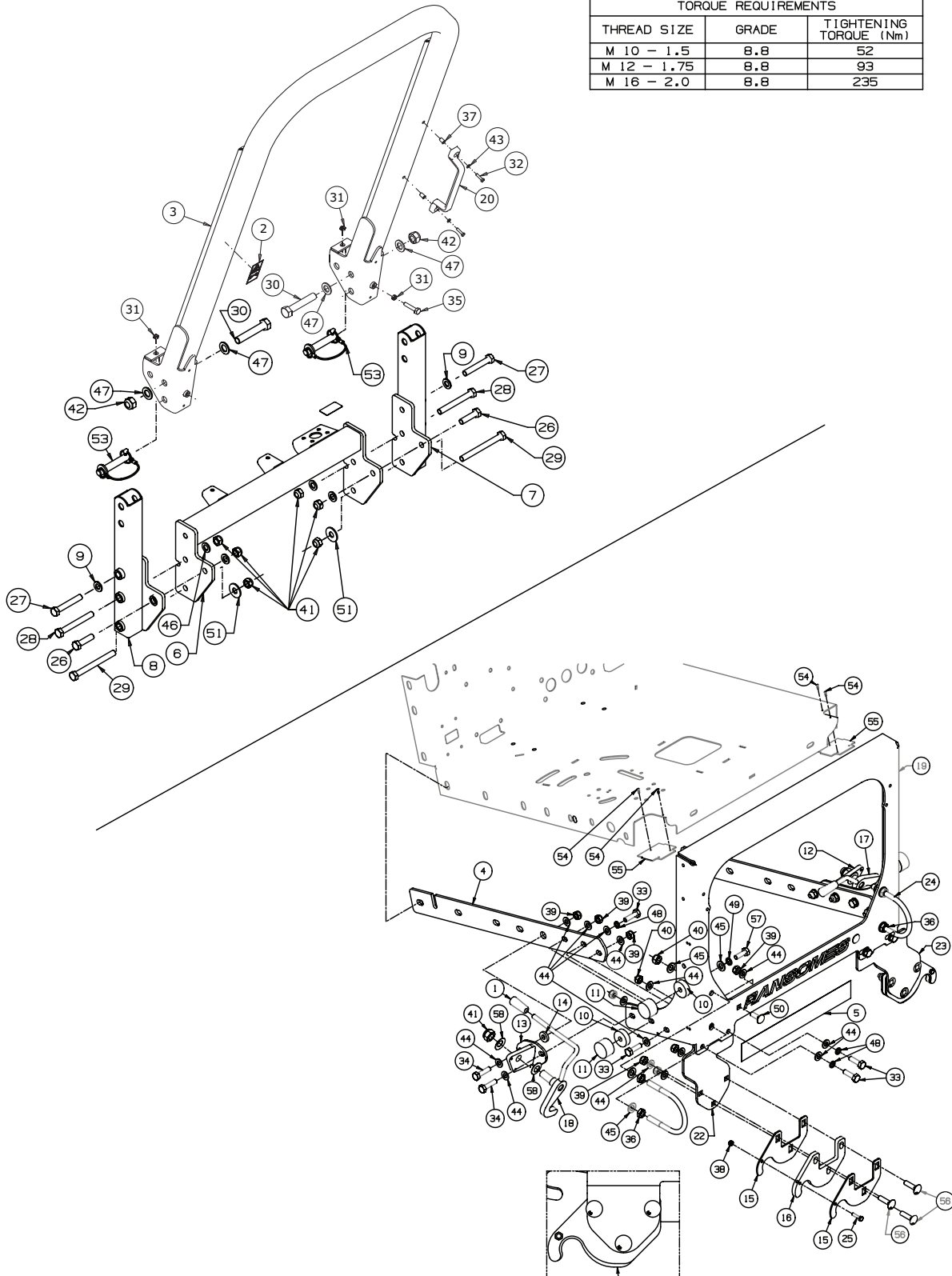
## ROPS &amp; HARD POINT (ISO21299)

ITEM	PART NO.	DESCRIPTION	QTY.	
44	450391	Washer - M10 X 21 X 2.2	30	
45	450392	Washer - M12 X 24 X 2.7	10	
46	450393	Washer - M16 X 30 X 3.3	4	
47	450394	Washer - M20 X 37 X 3.3	4	
48	450412	Lockwasher - M10 X 15.9 X 2.5	6	
49	450413	Lockwasher - M12 X 17.9 X 2.5	2	
50	452586	Bolt - Carrage M10 - 1.5 X 30	2	
51	64163 - 76	Washer - 11/16 X 1 - 3/4 X 9/64	2	
52	J361723	Bumper Stop	2	
53	MBG5722	Assembly - Shear Pin & Ring	2	
54	001496150	Rivet - Pop 3.2 X 10 (S/S)	4	
55	4284571	Platform Infill	2	
56	4287173	Bolt - Carrage M10 X 40	6	
57	450215	Screw - Hex M10 - 1.5 X 30	2	
58	002921109	Spring - Disc 16.3 X 31.5 X 0.8	4	

ROPS & HARD POINT (OECD code 4)

Illustration Number: 4240242-2\_oecd\_rops

TORQUE REQUIREMENTS		
THREAD SIZE	GRADE	TIGHTENING TORQUE (Nm)
M 10 - 1.5	8.8	52
M 12 - 1.75	8.8	93
M 16 - 2.0	8.8	235



ITEM #20 SHOULD PROTRUDE PAST ITEM #19 AS SHOWN



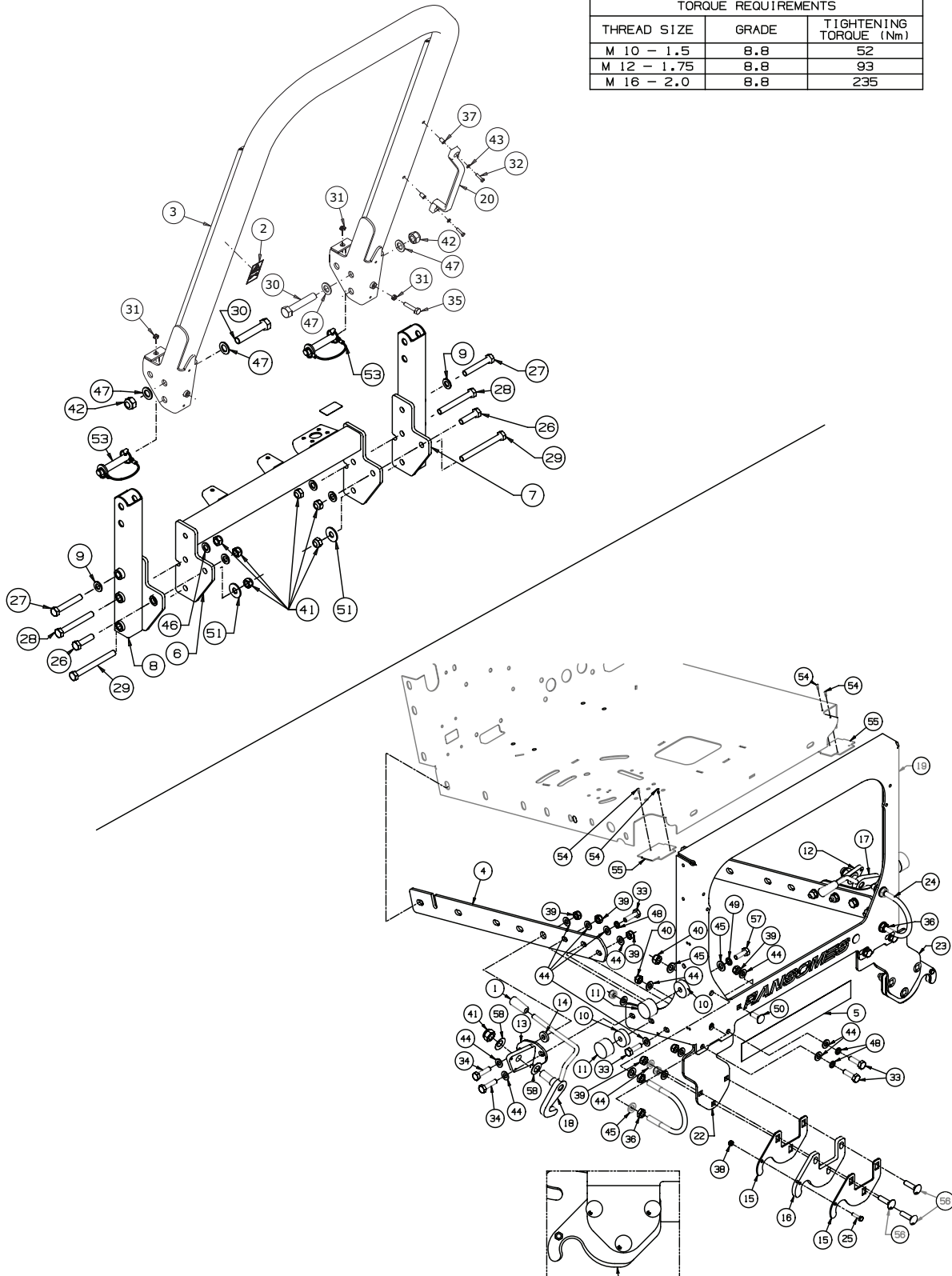
## ROPS &amp; HARD POINT (OECD code 4)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002990227	Knob	2	
2	009114380	Decal: Fasten Seat Belt	1	
3	4241126	Welded Assembly - Rops Frame	1	
4	4202162	Plate - Platform Support	2	
5	4220280	Decal - White Infill	1	
6	4241113	Welded Assembly - Rops Stiffener	1	
7	4241115	Welded Assembly - Rops Support LH	1	
8	4241116	Welded Assembly - Rops Support RH	1	
9	4244645	Av Washer - 17 X 30.7 X 3.4	2	
10	4245210	Spacer - 18x38.1x17	4	
11	4245850	Bump Stop, 40x25 - M10	4	
12	4255010	Welded Assembly - Unit Latch, LH	1	
13	4255031	Welded Assembly - Unit Latch, RH	1	
14	4255090	Pivot Assembly Spacer	2	
15	4255790	Hook - Cutting Unit, Support	4	
16	4255791	Hook - Cutting Unit, Plastic	2	
17	4257050	Welded Assembly Unit Latch - LH	1	
18	4257052	Welded Assembly Unit Latch - RH	1	
19	4259530	1 Piece Hard Point	1	
20	4259710	250 Mm Long Black PVC Handle	1	
21	N/A	Serial Plate - ROPS, Parkway 3	1	(OECD code 4)
22	4281871	Stand Off Bracket RH	1	
23	4281872	Stand Off Bracket LH	1	
24	4282351	U - Bolt	2	
25	450000	Bolt - Hex M6 - 1.0 X 25	2	
26	450071	Bolt - Hex M16 - 2.0 X 60	2	
27	450078	Bolt - Hex M16 - 2.0 X 100	2	
28	450081	Bolt - Hex M16 - 2.0 X 130	2	
29	450084	Bolt - Hex M16 - 2.0 X 160	2	
30	450099	Bolt - Hex M20 - 2.5 X 110	2	
31	450120186	Nut - Hex 3/8 - 16	4	
32	450172	Screw - Hex M6 - 1.0 X 25	2	
33	450216	Screw - Hex M10 - 1.5 X 35	8	
34	450217	Screw - Hex M10 - 1.5 X 40	4	
35	450219	Screw - Hex M10 - 1.5 X 50	2	
36	450333	Nut - Hex M12 - 1.75, Thin	4	
37	450357	M6 - 1.0 Nutsert	2	
38	450377	Nut - Hex M6 - 1.0, Nyloc	2	
39	450379	Nut - Hex M10 - 1.5, Nyloc	18	
40	450380	Nut - Hex M12 - 1.75, Nyloc	4	
41	450382	Nut - Hex M16 - 2.0, Nyloc	8	
42	450383	Nut - Hex M20 - 2.5, Nyloc	2	
43	450389	Washer - M6 X 12.5 X 1.8	2	

ROPS & HARD POINT (OECD code 4)

Illustration Number: 4240242-2\_oecd\_rops

TORQUE REQUIREMENTS		
THREAD SIZE	GRADE	TIGHTENING TORQUE (Nm)
M 10 - 1.5	8.8	52
M 12 - 1.75	8.8	93
M 16 - 2.0	8.8	235



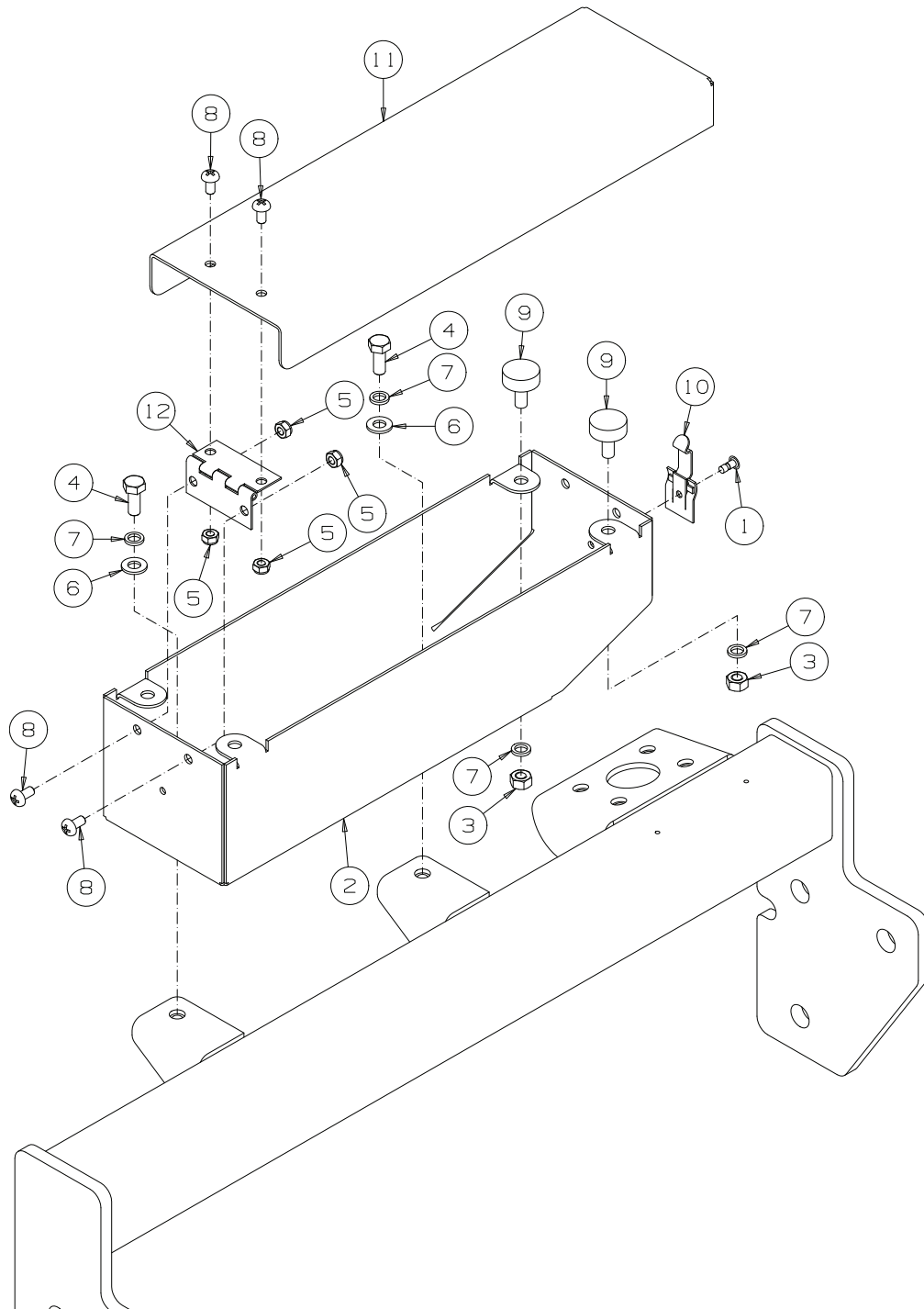
ITEM #20 SHOULD PROTRUDE PAST  
ITEM #19 AS SHOWN

## ROPS &amp; HARD POINT (OECD code 4)

ITEM	PART NO.	DESCRIPTION	QTY.	
44	450391	Washer - M10 X 21 X 2.2	30	
45	450392	Washer - M12 X 24 X 2.7	10	
46	450393	Washer - M16 X 30 X 3.3	4	
47	450394	Washer - M20 X 37 X 3.3	4	
48	450412	Lockwasher - M10 X 15.9 X 2.5	6	
49	450413	Lockwasher - M12 X 17.9 X 2.5	2	
50	452586	Bolt - Carrage M10 - 1.5 X 30	2	
51	64163 - 76	Washer - 11/16 X 1 - 3/4 X 9/64	2	
52	J361723	Bumper Stop	2	
53	MBG5722	Assembly - Shear Pin & Ring	2	
54	001496150	Rivet - Pop 3.2 X 10 (S/S)	4	
55	4284571	Platform Infill	2	
56	4287173	Bolt - Carrage M10 X 40	6	
57	450215	Screw - Hex M10 - 1.5 X 30	2	
58	002921109	Spring - Disc 16.3 X 31.5 X 0.8	4	

TOOLBOX (OPTIONAL)

Illustration Number: 4193016\_toolbox

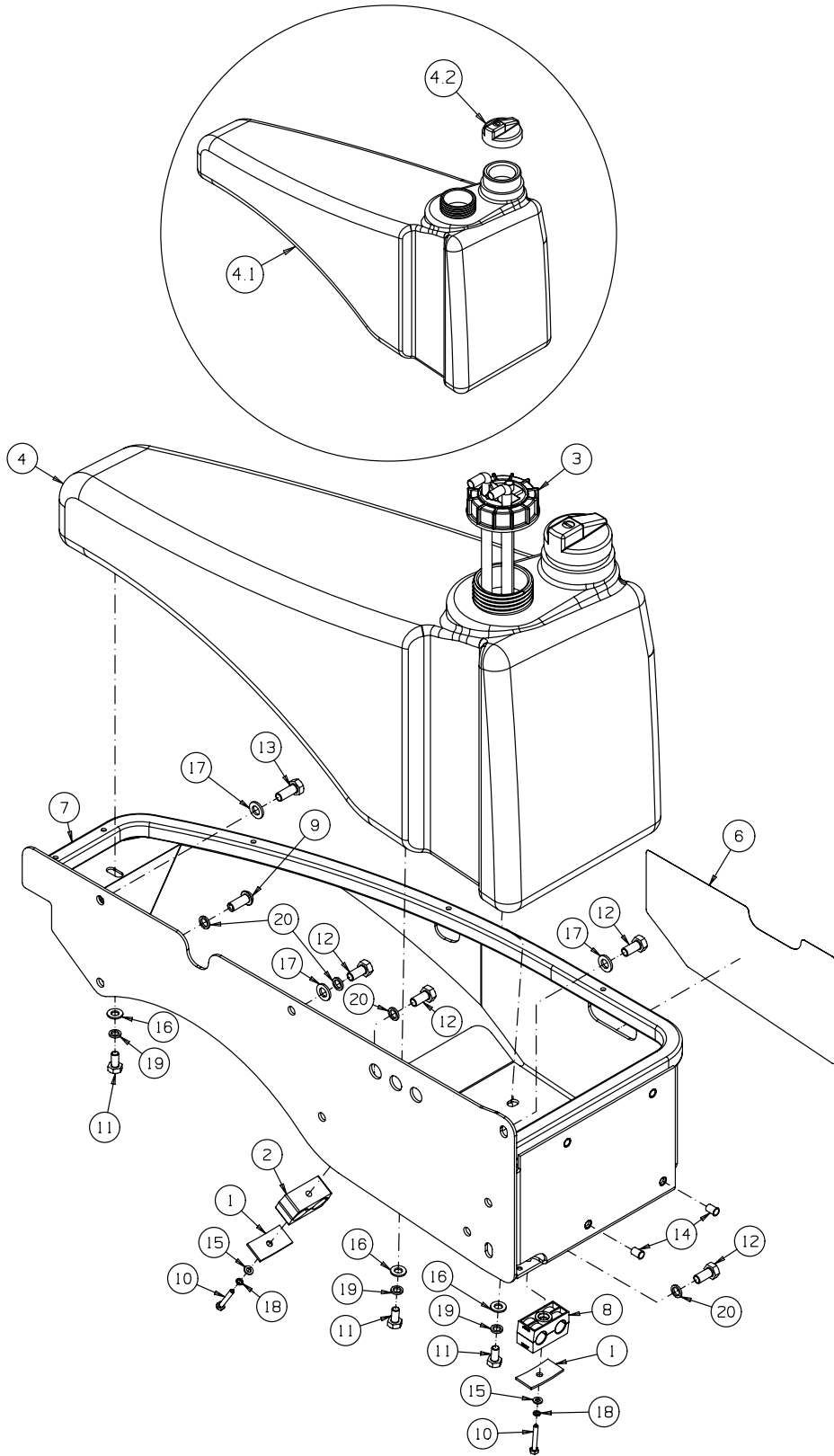


## TOOLBOX (OPTIONAL)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001496044	Rivet-Pop 4.8 x 12	1	
2	4164620	Toolbox-Base	1	
3	450120021	Nut-Hexagonal 5/16-18	2	
4	450191	Screw-Hexagonal M8 x 20	2	
5	450377	Nut-Hexagonal M6 Nyloc	4	
6	450390	Washer-M8 x 17 x 1.8	2	
7	450411	Washer-Slw M8	4	
8	450539	Screw-Pan Head M6 x 12	4	
9	523224	Bumper-Rubber	2	
10	835039	Fastener-Snap	1	
11	840171.07	Cover-Box	1	
12	840172	Hinge	1	

FUEL TANK - FITTED ASSEMBLY

Illustration Number: 4236472\_fuel\_tank

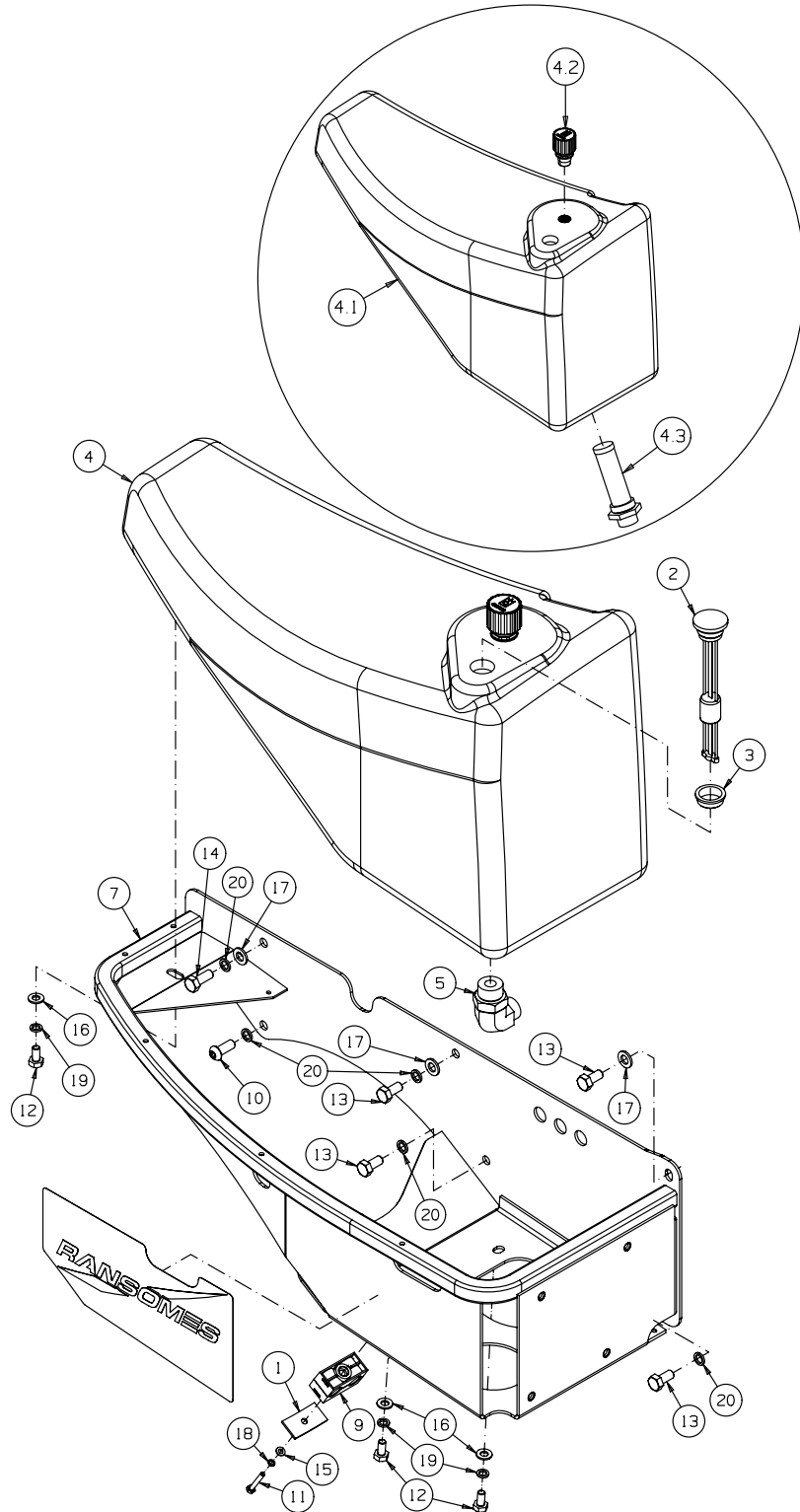


## FUEL TANK - FITTED ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.	
1	009079310	Top Plate-tube Clamp	2	
2	2208139	5/8 Bore Hose Clamp	1	
3	4152958	Fuel Level Sender & Pick Up	1	
4	4154580	Tank-fuel	1	
4.1	4138575	• Tank-fuel	1	
4.2	4161500	• Cap-fuel Tank, Lockable	1	
5	4163596	Fuel Hose - 04R6-1270	1	
6	4216561	Decal, Ransomes LH	1	
7	4256930	Welded Assembly-tank Support LH	1	
8	4251379	Twin Tube Clamp, 3/4" Dia	1	
9	4261511	Screw-button Head M12 X 30	1	
10	450003	Bolt-hexagonal M6-1.0 X 40	2	
11	450213	Screw-hexagonal M10-1.5 X 20	3	
12	450240	Screw-hexagonal M12-1.75 X 25	3	
13	450241	Screw-hexagonal M12-1.75 X 30	1	
14	450357	M6-1.0 Nutsert	4	
15	450389	Washer-M6 X 12.5 X 1.8	2	
16	450391	Washer-M10 X 21 X 2.2	3	
17	450392	Washer-M12 X 24 X 2.7	3	
18	450410	Lockwasher-M6 X 9.6 X 1.5	3	
19	450412	Lockwasher-M10 X 15.9 X 2.5	3	
20	450413	Lockwasher-M12 X 17.9 X 2.5	5	
21	4262992	Fuel Hose - 05R6-1270	1	

HYDRAULIC TANK AND MOUNTING FRAME

Illustration Number: 4236473\_hydraulic\_tank



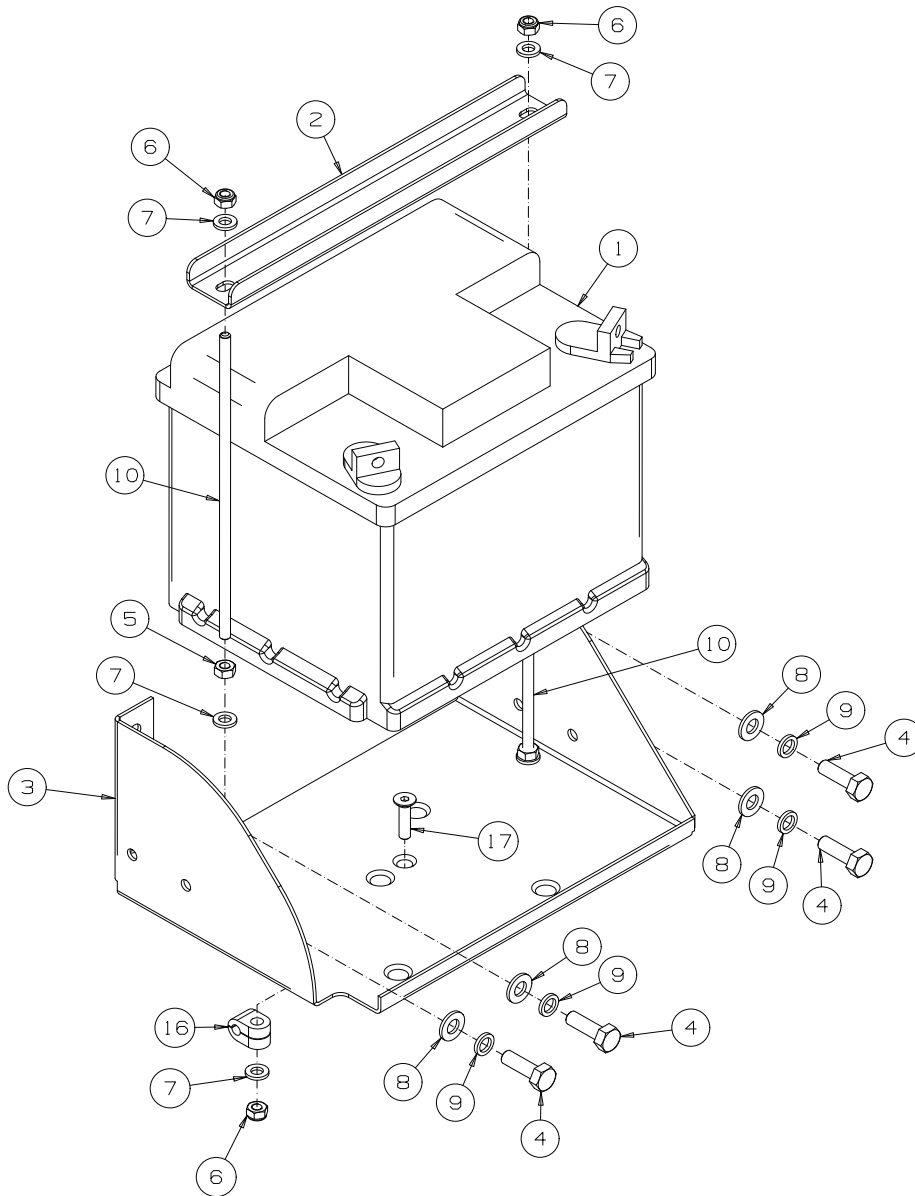


## HYDRAULIC TANK AND MOUNTING FRAME

ITEM	PART NO.	DESCRIPTION	QTY.	
1	009079310	Top Plate-tube Clamp	1	
2	009151460	Gauge-oil Level	1	
3	2218147	Grommet-gauge	1	
4	4154581	Tank-hydraulic	1	
4.1	4138574	• Tank-hydraulic	1	
4.2	4153597	• Strainer-suction, 125 Micron	1	
4.3	4240922	• Breather/filler	1	
5	4163527	90-m/m 1-3/16 ORFS X 1-5/16 SAE	1	
*	158061-09	• O Ring (For 1-3/16UNF)	1	
*	002218146	• O Ring (For 1-5/6UNF)	1	
6	4216560	Decal, Ransomes RH	1	
7	4256931	Welded Assembly-tank Support RH	1	
9	4251379	Twin Tube Clamp, 3/4" Dia	1	
10	4261511	Screw-button Hd M12 X 30	1	
11	450003	Bolt-hex M6-1.0 X 40	1	
12	450213	Screw-hex M10-1.5 X 20	3	
13	450240	Screw-hex M12-1.75 X 25	4	
14	450241	Screw-hex M12-1.75 X 30	1	
15	450389	Washer-M6 X 12.5 X 1.8	1	
16	450391	Washer-M10 X 21 X 2.2	3	
17	450392	Washer-M12 X 24 X 2.7	3	
18	450410	LockWasher-M6 X 9.6 X 1.5	1	
19	450412	LockWasher-M10 X 15.9 X 2.5	3	
20	450413	LockWasher-M12 X 17.9 X 2.5	5	

BATTERY TRAY

Illustration Number: 4244658\_2\_battery\_tray

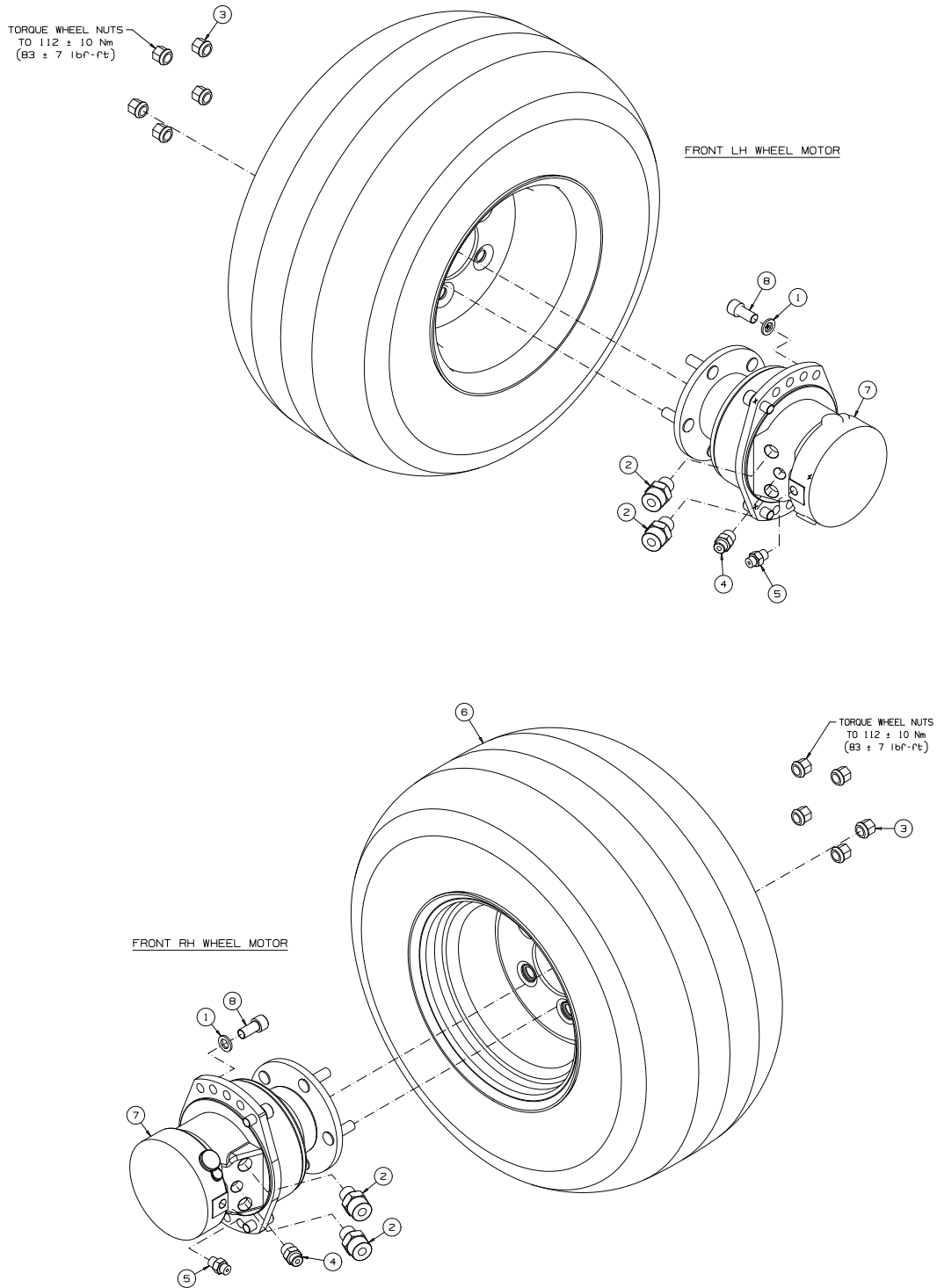


## BATTERY TRAY

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4254571	Battery - Type 093	1	
2	4235540	Channel - Battery Clamp	1	
3	4238890	Battery Tray Welded Assembly	1	
4	450192	Screw - Hex M8-1.25 X 25	4	
5	450323	Nut - Hex M6-1.0	2	
6	450377	Nut - Hex M6-1.0, Nyloc	3	
7	450389	Washer - M6 X 12.5 X 1.8	5	
8	450390	Washer - M8 X 17 X 1.8	4	
9	450411	Lockwasher - M8 X 12.75 X 2	4	
10	Mbf1290	Stud - M6 X 200	2	
16	4252710	Clamp - Single OD 1/4"	1	
17	450854	Screw - Countersunk Hex Socket M6-1.0 X 25,	1	

FRONT WHEELS AND MOTORS

Illustration Number: 4236465\_RH and 4236465\_LH

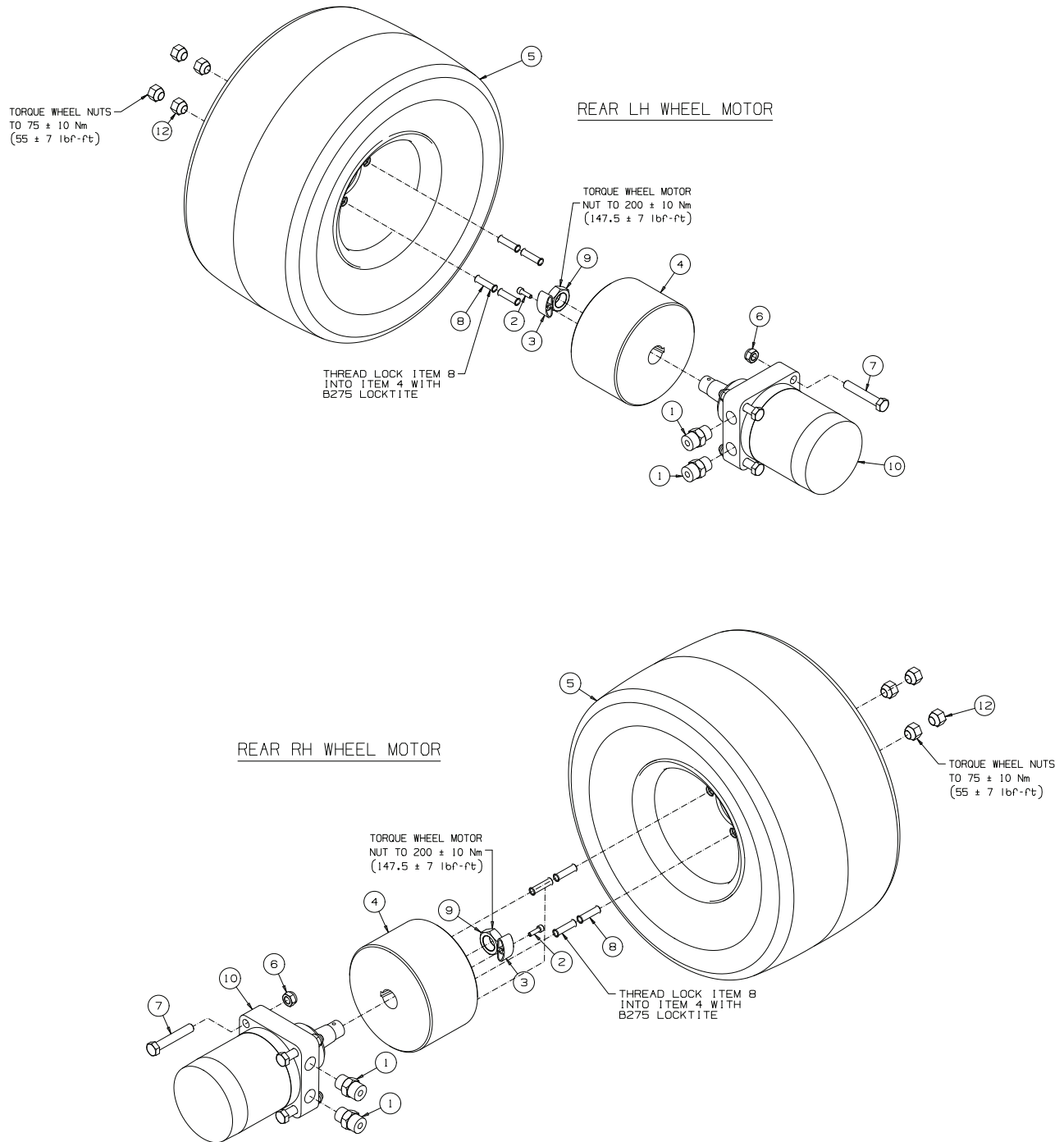


## FRONT WHEELS AND MOTORS

ITEM	PART NO.	DESCRIPTION	QTY.	
1	1594200	Lockwasher-M14 X 24.1 X 3	8	
2	2515010	Fitting-m/m 1-3/16 ORS X 7/8 SAE	4	
*	158061-09	• O Ring (For 1-3/16UNF)	1	
*	002218104	• O Ring (For 7/8'UNF)	1	
3	8008460	Wheel Nut, M14 Spherical	10	
4	158006-13	Fitting-11/16 ORS X 3/4 SAE	2	
*	158061-01	• O Ring (For 11/16UNF)	1	
*	002218081	• O Ring (For 3/4 UNF)	1	
5	158006-15	Fitting-9/16 ORS X 9/16 SAE	2	
*	158061-18	• O Ring (For 9/16 UNF)	1	
*	002218065	• O Ring (For 9/16UNF)	1	
6	4237069	Wheel & Tyre Assembly	2	26 x 12.00-12
*	4233920	• Tyre 26 x 12.00-12 8 Ply	1	OTR Grassmaster
*	4220441	• Rim 12 x 10.5 I	1	
*	4220940	• Tubeless Tyre Valve Ass	1	
7	4228801	280cc Piston Wheel Motor	2	
8	4228802	Cap Screw-hex Socket M14-1.5 X 30	8	

REAR WHEEL AND MOTOR

Illustration Number: 4236830\_rear\_wheel\_and\_motor

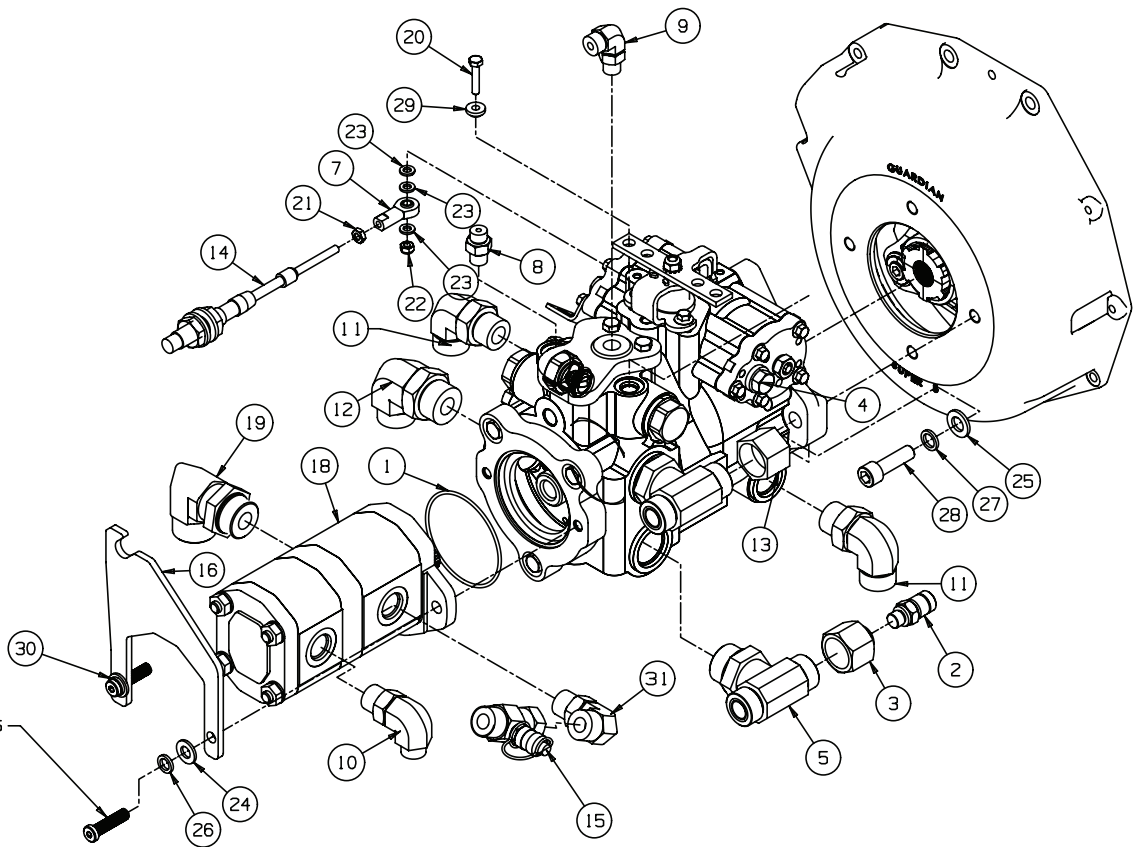


## REAR WHEEL AND MOTOR

ITEM	PART NO.	DESCRIPTION	QTY.	
1	158006-07	Fitting - M/M 1 ORS X 7/8 SAE	4	
*	158061-08	• O Ring (For 1UNF)	1	
*	002218104	• O Ring (For 7/8'UNF)	1	
2	4183560	Cap Screw - Socket M8 x 20	2	C/w Tuflok 180
3	4192800	Hub Wheel Nut	2	
4	4193480	Wheel Hub, Rear	2	
5	4237070	Wheel & Tyre Assembly 20 x 10.00-8	2	
*	4233962	• Tyre 20 x 10.00-8 4 Ply	1	OTR Grassmaster
*	4222546	• Rim 8 x 7	1	
*	4220940	• Tubeless Tyre Valve Assembly	1	
6	450120275	Nut - Hex 1/2-13, Nyloc Thin	8	
7	451110354	Bolt - Hex 1/2-13 x 3, Gr S	8	
8	456800237	Stud - 1/2-20 x 1-1/2	8	
9	MBF1355	Wheel Motor Nut 1-20 UNEF	2	
10	W148141-03	Motor	2	
11	4254750	47-49mm Id Texstrip Belt	2	
12	001341110	Nut Wheel	8	

PUMPS

Illustration Number: 4283811-2\_rd\_pumps\_group



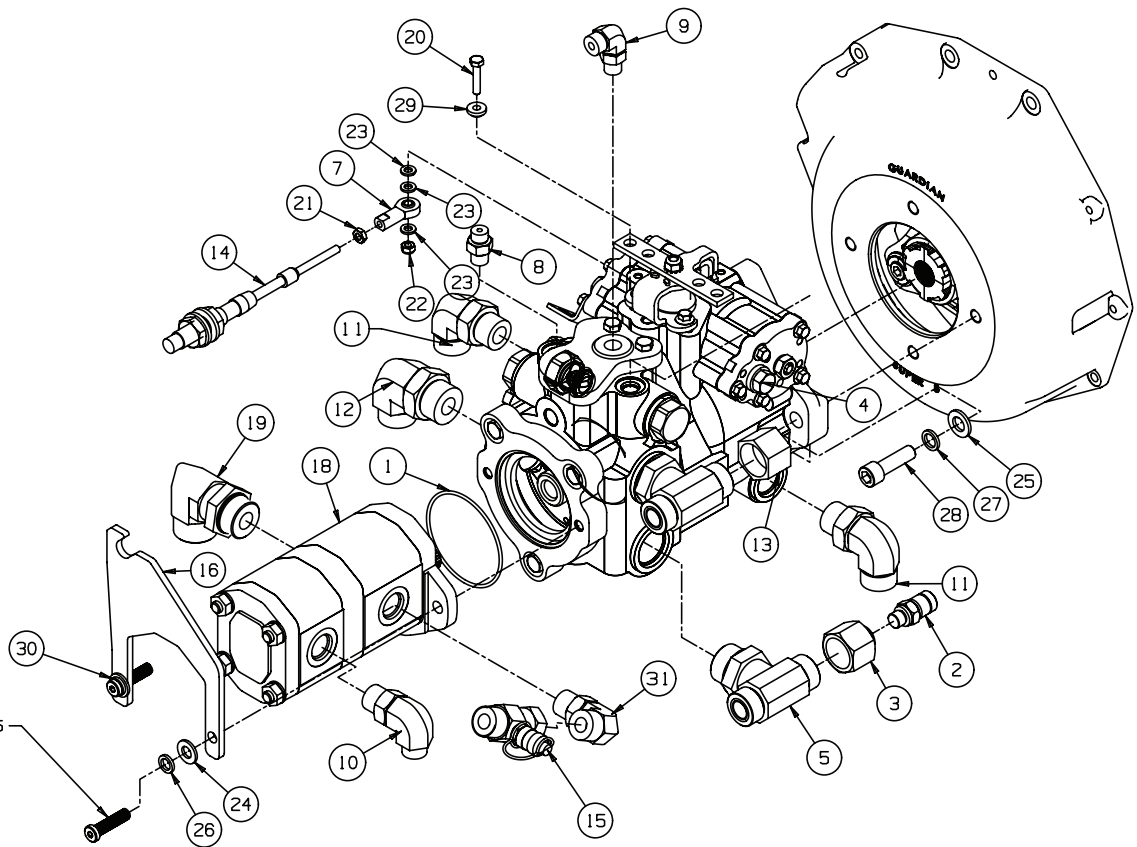


## PUMPS

ITEM	PART NO.	DESCRIPTION	QTY.
1	002211520	O - Ring 82.22 Id X 2.62 Sect	1
2	002449006	Test Point - 1/4 BSPP	1
	158061-09	• O Ring (For 1-3/16 UNF)	1
3	002498900	Test Point - 1/4 BSPP X 1 - 3/16 ORS	1
	158061-09	• O Ring (For 1-3/16 UNF)	1
4	002525010	90 - M/m 9/16 ORS X 9/16 SAE	1
	158061-18	• O Ring (For 9/16 ORS)	1
	002218065	• O Ring (For 9/16 SAE)	1
5	002590910	Tee - M/M/M 1 - 3/16(2) ORS x 1 - 5/16 SAE	2
	158061-09	• O Ring (For 1-3/16 ORS)	2
	002218146	• O Ring (For 1-5/6 SAE)	1
6	008007120	M46 Hydraulic Pump	1
7	128079	1/4" Rod End	1
8	158006 - 15	Fitting - 9/16 ORS X 9/16 SAE	1
	158061-18	• O Ring (For 9/16 ORS)	1
	002218065	• O Ring (For 9/16 SAE)	1
9	158007 - 01	90 - M/M 11/16 ORS X 9/16 SAE	1
	158061-15	• O Ring (For 1-11/16 ORS)	1
	002218065	• O Ring (For 9/16 SAE)	1
10	158007 - 03	90 - M/M 13/16 Ors X 7/8 SAE	1
	158061-02	• O Ring (For 13/16 ORS)	1
	002218104	• O Ring (For 7/8" SAE)	1
11	158007 - 07	90 - M/M 1 - 3/16 ORFS X 1 - 1/16 SAE	1
	158061-09	• O Ring (For 1-3/16 ORFS)	1
	002218120	• O-ring (For 1 - 1/16 SAE)	1
12	158007 - 08	90 Elbow - 1 - 3/16 ORFS X 1 - 5/16 SAE	1
	158061-09	• O Ring (For 1-3/16 ORFS)	1
	002218146	• O Ring (For 1-5/6 SAE)	1
13	4139161	Orfs Cap 1 - 3/16" - 12	1
14	4213940	Control Cable	1
15	4231440 -03	Fitting - F/M 1 ORFS + 1/8 BSPP Test Point	1
	158061-08	• O Ring (For 1 ORFS)	1
16	4248090	Pump Plate	1
17	4254750	47 - 49mm Id Texstrip Belt	1
18	4261350	Tandem Pump - 16cc+6cc	1
19	4283231	Fitting - 90 M/M 1 - 5/16"SAE X 1 - 7/16"ORFS	1
	002218146	• O Ring (For 1-5/6 SAE)	1
		• O Ring (For 7/16 ORFS)	
20	450001	Bolt - Hex M6 - 1.0 X 30	1
21	450020231	Nut - Hex 1/4 - 28, Thin	1
22	450377	Nut - Hex M6 - 1.0, Nyloc	1
23	450389	Washer - M6 X 12.5 X 1.8	3
24	450391	Washer - M10 X 21 X 2.2	2

PUMPS

Illustration Number: 4283811-2\_rd\_pumps\_group

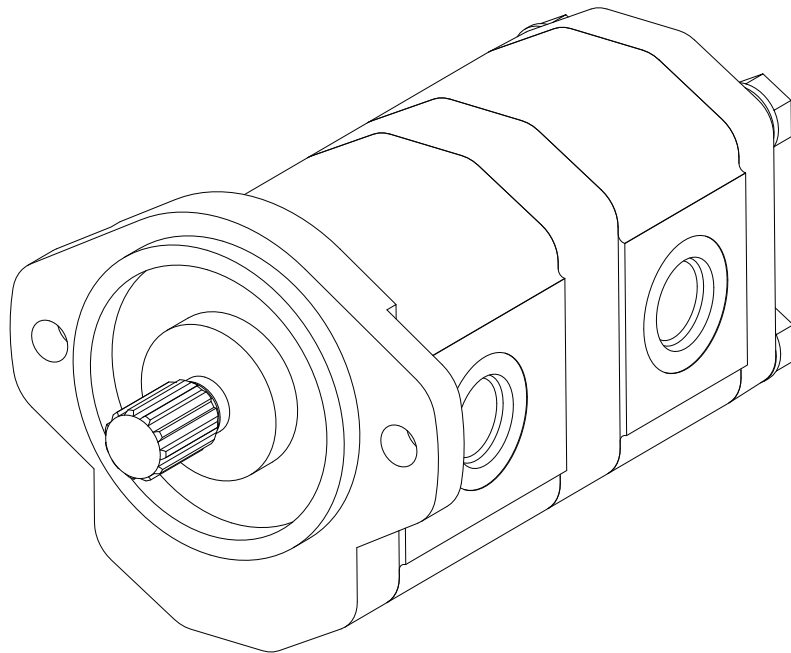


## PUMPS

ITEM	PART NO.	DESCRIPTION	QTY.	
25	450392	Washer - M12 X 24 X 2.7	2	
26	450412	Lockwasher - M10 X 15.9 X 2.5	2	
27	450413	Lockwasher - M12 X 17.9 X 2.5	2	
28	450756	Cap Screw - Hex Socket M12 - 1.75 X 40	2	
29	MBF1105A	Boss	1	
30	4286913	Cap Screw - Hex Socket 3/8 - UNC X 1.5	2	
31	158007-05	90 - M/M 1 ORS x 7/8 SAE	1	
	158061-08	• O Ring (For 1 ORFS)	1	
	002218104	• O Ring (For 7/8 SAE)	1	

**CUTTER & STEER PUMP (4261350)**

Illustration Number: 4177940



**CUTTER & STEER PUMP (4261350)**

ITEM	PART NO.	DESCRIPTION	QTY.	
	4261350 4160382	Pump-Cutter & Steering • Seal Kit	1 1	

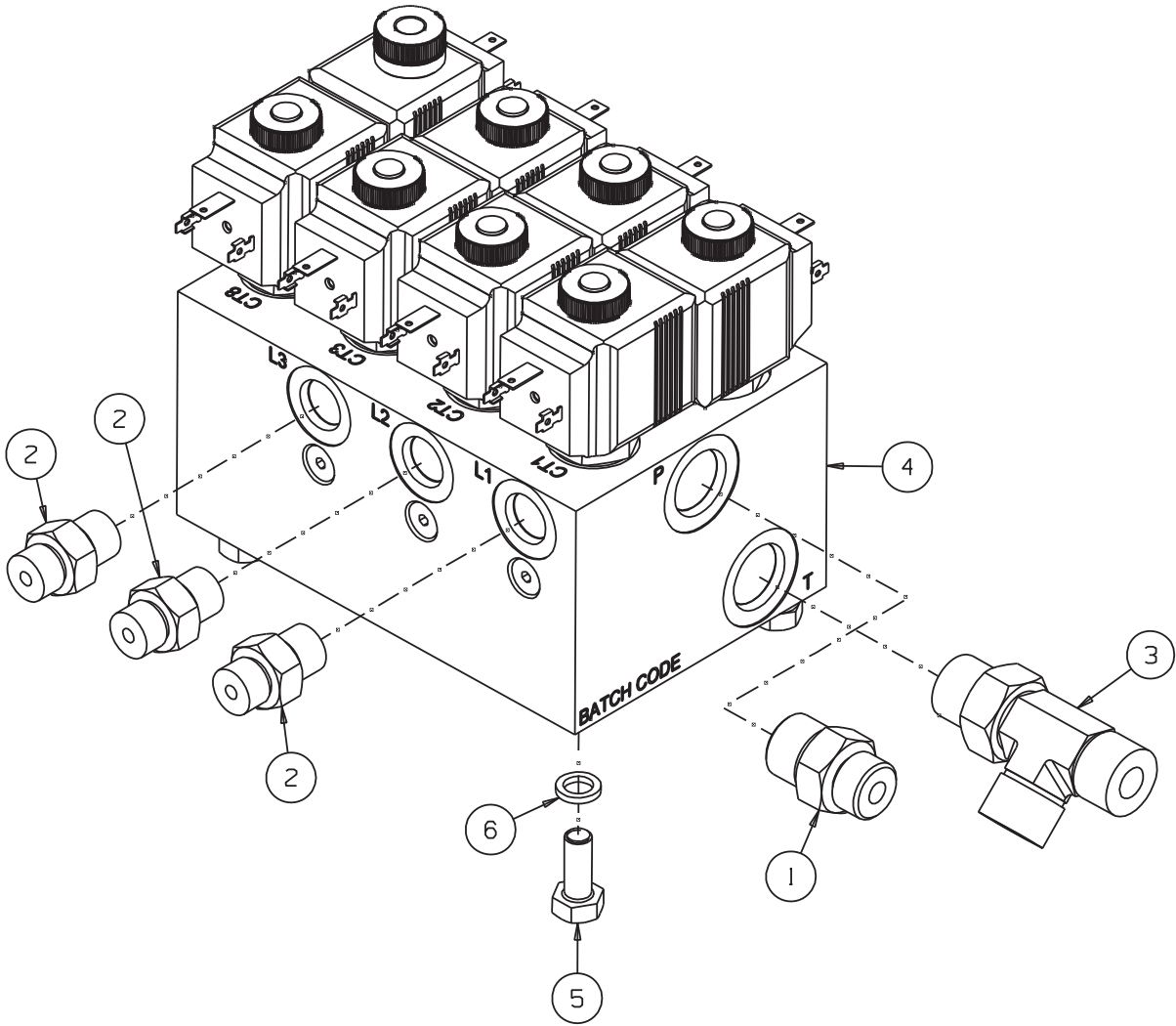


## TRANSMISSION PUMP, SAUER DANFOSS (008007120)

ITEM	PART NO.	DESCRIPTION	QTY.	
	008007120	Pump-Transmission, M46	1	
A	008007290	• Cylinder block Kit	1	
126		•• Piston	7	
127		•• Slipper Retainer	1	
160		•• Cylinder Block	1	
104	008007300	• Charge Relief Valve Spring	1	
105	008007310	• Charge Relief Valve Poppet	1	
118	008007320	• Needle Bearing	7	
131	008007330	• Shaft Bearing	1	
132	008007340	• Circlip	2	
133	008007350	• Circlip	2	
155	008007360	• Charge Pump Housing	1	
202	008007370	• Swash Plate Housing	1	
930	008007380	• Adjuster Screw	1	
1004	008007390	• Bypass Valve	1	
1103	008007410	• Relief Valve Cartridge	1	
1104	008007400	• Relief Valve Cartridge	1	
1210	008008770	• Screw-Hex HD.250-20x.625	1	
1216	4461187	• Bracket - Neutral Return	1	
1214	4461061	• Spring - Neutral Return	1	
1211	4461234	• Guide - Spring	1	
1401	008007430	• Orifice	1	
1405	008007440	• Sleeve	1	
	008007450	• Seal Kit	1	

LIFT VALVE

Illustration Number: 4254351-2\_lift\_valve



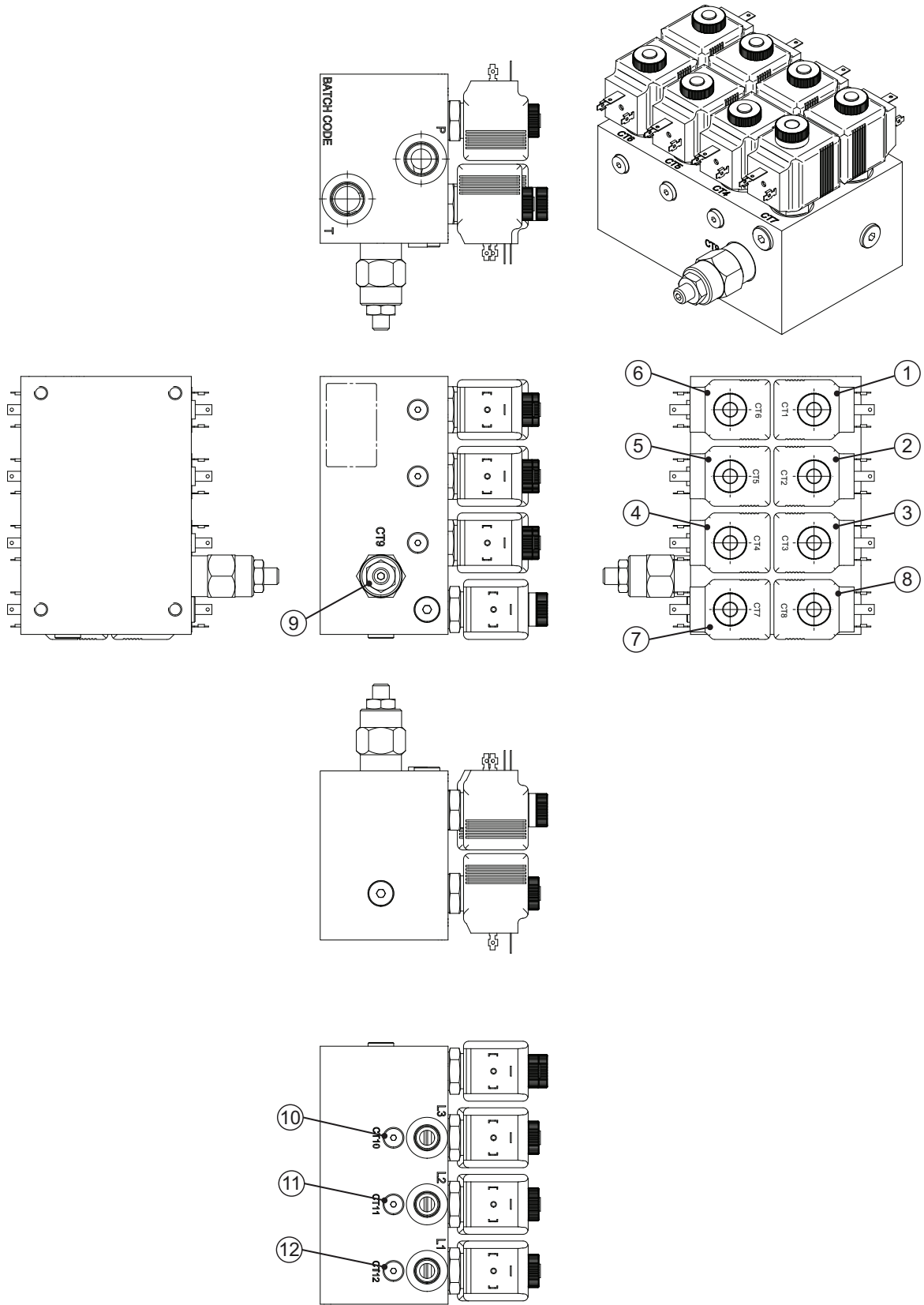


## LIFT VALVE

ITEM	PART NO.	DESCRIPTION	QTY.	
1	158006-13	Fitting - 11/16 ORS X 3/4 SAE	1	
*	158061-01	• O Ring (For 11/16 ORS)	1	
*	002218081	• O Ring (For 3/4 SAE)	1	
2	158006-15	Fitting - 9/16 ORS X 9/16 SAE	3	
*	158061-18	• O Ring (For 9/16 ORS)	1	
*	002218065	• O Ring (For 9/16 SAE)	1	
3	158056-01	Tee - Run 13/16 ORFS X 3/4 SAE	1	
*	158061-02	• O Ring (For 13/16 ORFS)	2	
*	002218081	• O Ring (For 3/4 SAE)	1	
4	4198280	Lift Valve	1	
		• Solenoid Coil	AR	
5	450191	Screw - Hex M8 X 20	4	
6	450411	Lockwasher - M8 X 12.75 X 2	4	

LIFT VALVE BREAKDOWN

Illustration Number:4198280\_lift\_valve

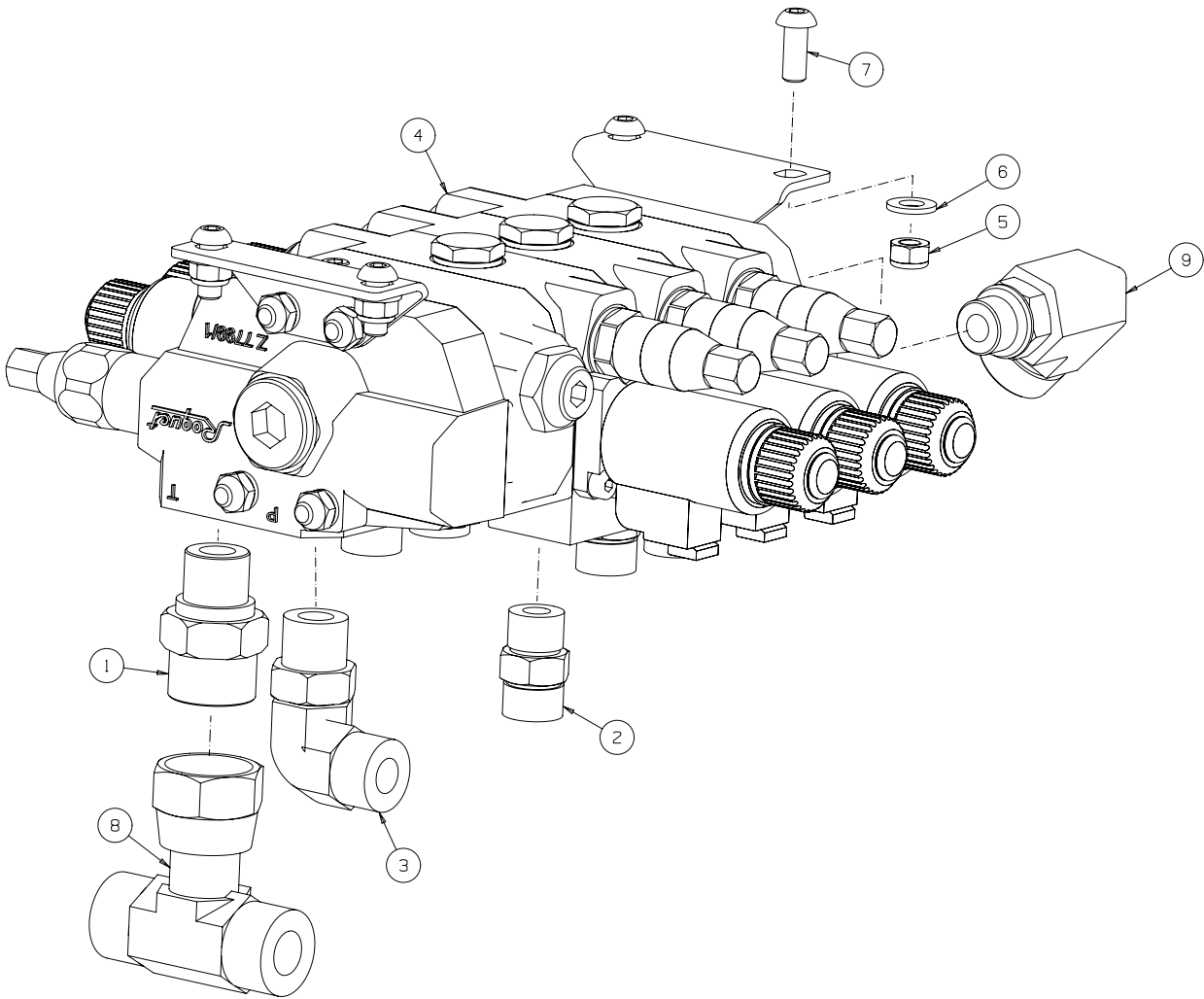


## LIFT VALVE BREAKDOWN

ITEM	PART NO.	DESCRIPTION	QTY.	
	4198280	Lift Valve	1	
1	4280513	• Solenoid Valve	1	Torque 20 Nm
2	4280513	• Solenoid Valve	1	Torque 20 Nm
3	4280513	• Solenoid Valve	1	Torque 20 Nm
4	4280514	• Solenoid Valve	1	Torque 20 Nm
5	4280514	• Solenoid Valve	1	Torque 20 Nm
6	4280514	• Solenoid Valve	1	Torque 20 Nm
7	4280515	• Solenoid Valve	1	Torque 20 Nm
8	4280516	• Solenoid Valve	1	Torque 20 Nm
	4289494	• Solenoid Coil	AR	
9	4280517	• Relief Valve	1	Torque 45 Nm
10	4280518	• M6 x 0.75 Orifice	1	Torque 2.0-3.0 Nm
11	4280518	• M6 x 0.75 Orifice	1	Torque 2.0-3.0 Nm
12	4280518	• M6 x 0.75 Orifice	1	Torque 2.0-3.0 Nm

CUTTER VALVE

Illustration Number: 4282352\_ra\_cutter\_valve

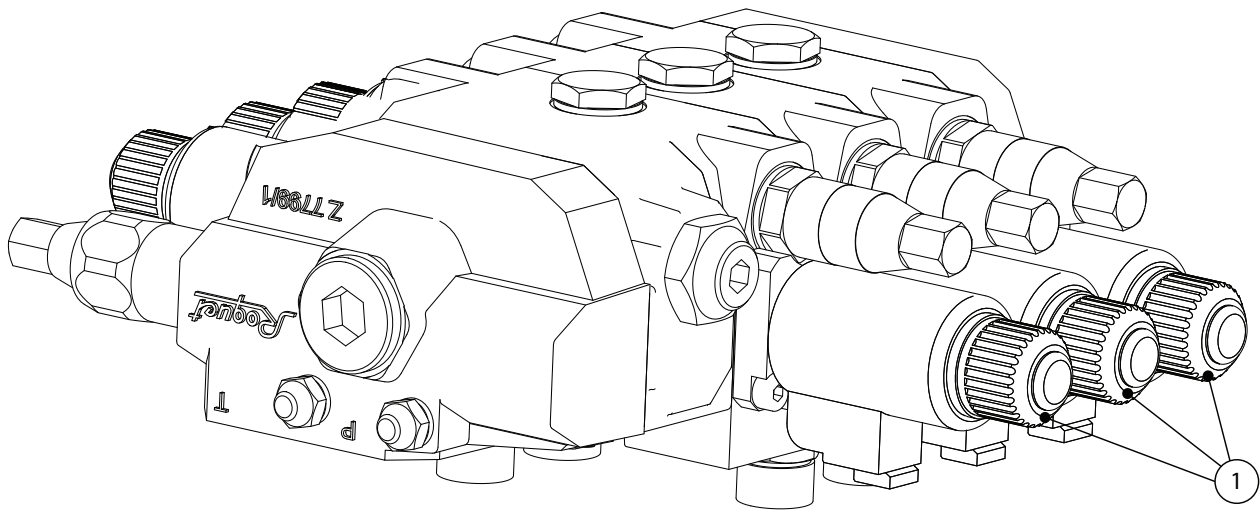


## CUTTER VALVE

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002515010	Fitting - M/M 1-3/16 ORS X 7/8 SAE	1	
*	158061-09	• O Ring (For 1-3/16 ORS)	1	
*	002218104	• O Ring (For 7/8" SAE)	1	
2	158006-05	Fitting - 13/16 ORFS X 3/4 SAE	6	
*	158061-02	• O Ring (For 13/16 ORFS)	1	
*	002218081	• O Ring (For 3-4 SAE)	1	
3	158007-03	90-M/M 13/16 ORS X 7/8 SAE	1	
*	158061-02	• O Ring (For 13/16 ORS)	1	
*	002218104	• O Ring (For 7/8 SAE)	1	
4	4282611	Cutter Valve	1	
5	450378	Nut-hex M8 - 1.25, Nyloc	4	
6	450390	Washer - M8 X 17 X 1.8	4	
7	4142288	Screw- Pan Hd M8 -1.25 X 20	4	
8	69057-02	Tee-M/F/M 1-3/16 ORS	1	
*	158061-09	• O Ring (For 1-3/16 ORS)	2	
9	4177141	Fitting-90 M/M 7/8 SAE X 1 3/16 ORFS	1	
*	002218104	• O Ring (For 7/8 SAE)	1	
*	158061-09	• O Ring (For 1-3/16 ORS)	1	

CUTTER VALVE BREAKDOWN

Illustration Number:4282352\_cutter\_valve\_breakdown

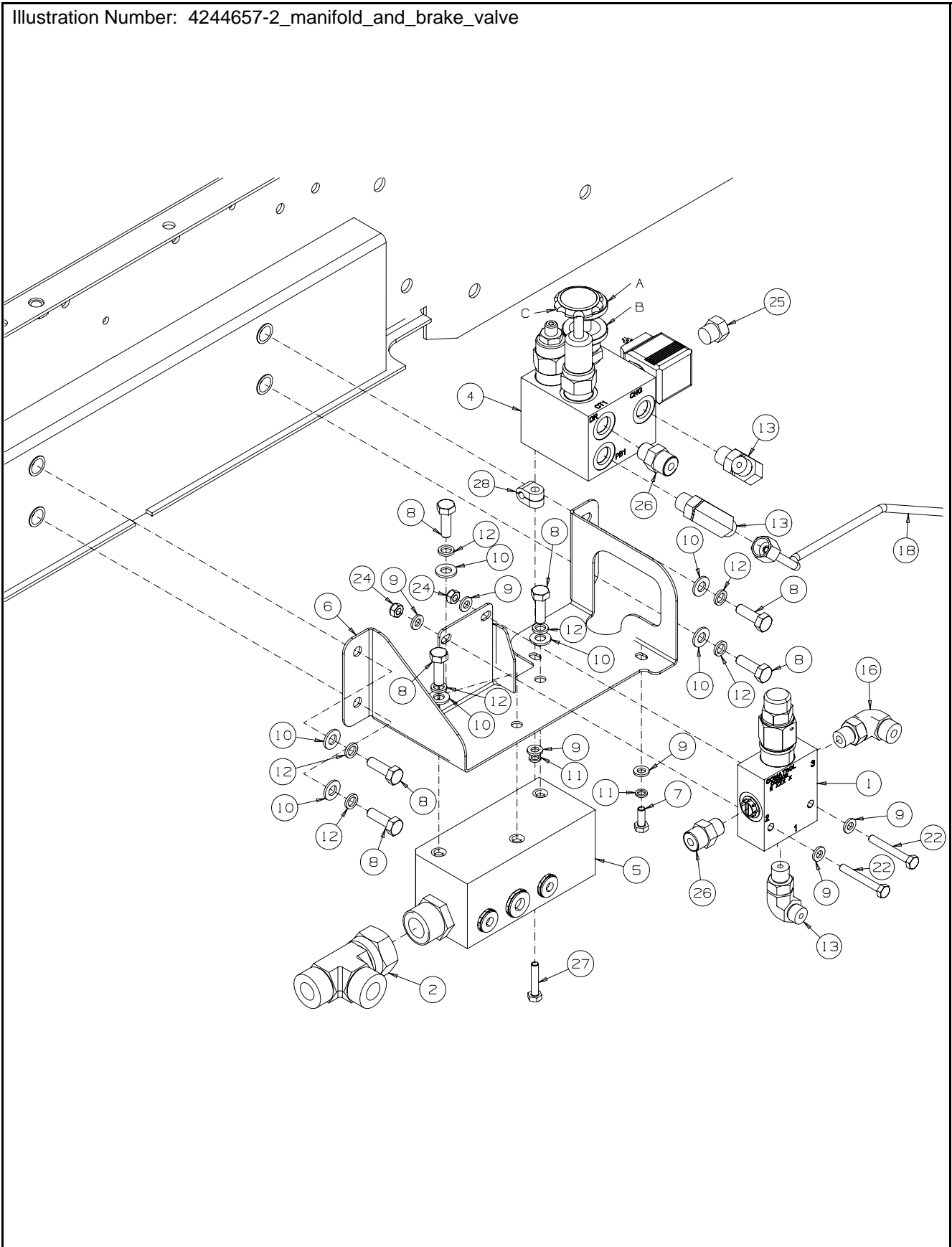


## CUTTER VALVE BREAKDOWN

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4282352 4289492	Cutter Valve - Roquet • Solenoid Coil	1 AR	

MANIFOLD AND BRAKE VALVE

Illustration Number: 4244657-2\_manifold\_and\_brake\_valve



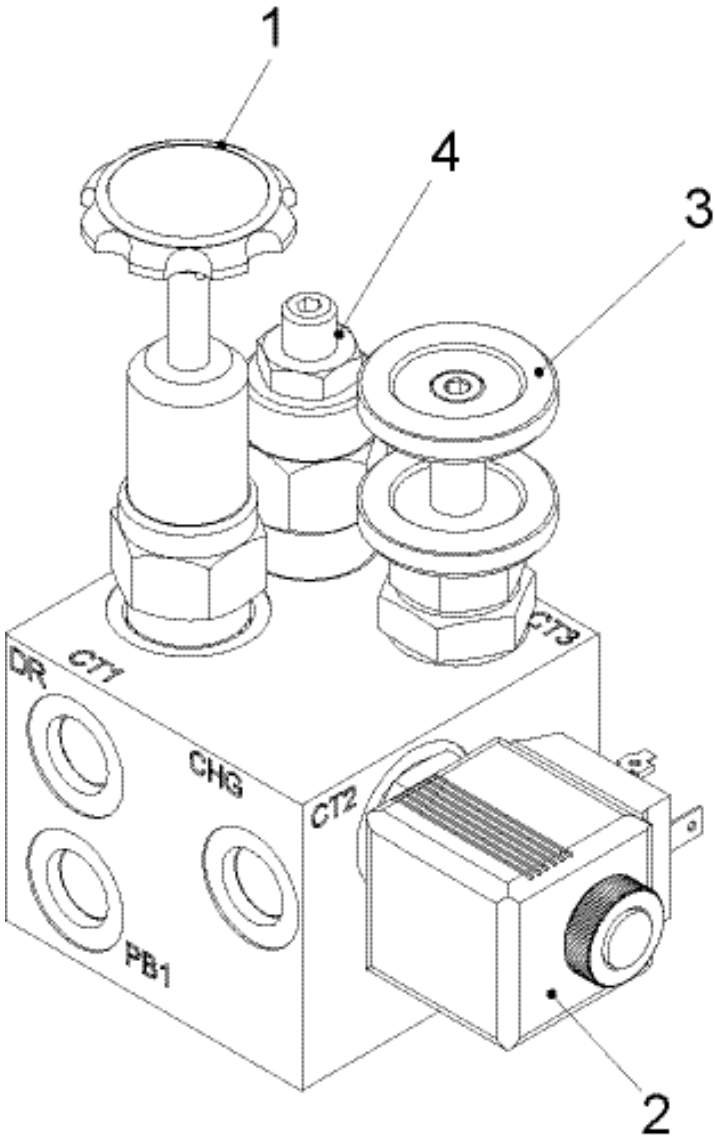


## MANIFOLD AND BRAKE VALVE

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4253090	Flushing Valve	1	
2	002498870	Tee - Run 1-3/16 ORFS	1	
*	158061-09	• O Ring (For 1-3/16 ORFS)	3	
4	4201021	Brake Valve	1	
5	4248830	Manifold, Easy Fit	1	
6	4244659	Bracket - Manifold	1	
7	450170	Screw - Hex M6-1.0 X 16	1	
8	450192	Screw - Hex M8-1.25 X 25	7	
9	450389	Washer - M6 X 12.5 X 1.8	6	
10	450390	Washer - M8 X 17 X 1.8	7	
11	450410	Lockwasher - M6 X 9.6 X 1.5	2	
12	450411	Lockwasher - M8 X 12.75 X 2	7	
13	002525010	90- M/M 9/16 ORS X 9/16 SAE	3	
*	158061-18	• O Ring (For 9/16 ORS)	1	
*	002218065	• O Ring (For 9/16 SAE)	1	
16	158007-01	90 - M/M 11/16 ORS X 9/16 SAE	1	
*	158061-01	• O Ring (For 11/16 ORS)	1	
*	002218065	• O Ring (For 9/16 SAE)	1	
18	4251397	Hydraulic Tube	1	Brake Release Tee
22	450004	Bolt - Hex M6-1.0 X 45	2	
24	450377	Nut - Hex M6-1.0, Nyloc	2	
25	002444056	Plug - 9/16 SAE	1	
*	002218065	• O Ring (For 9/16 SAE)	1	
26	158006-01	Fitting - 11/16 ORS X 9/16 ORB	2	
27	450173	Screw - Hex M6-1.0 X 30	1	
28	4252710	Clamp - Single OD 1/4"	1	

BRAKE VALVE (4201021)

Illustration Number: 4201021

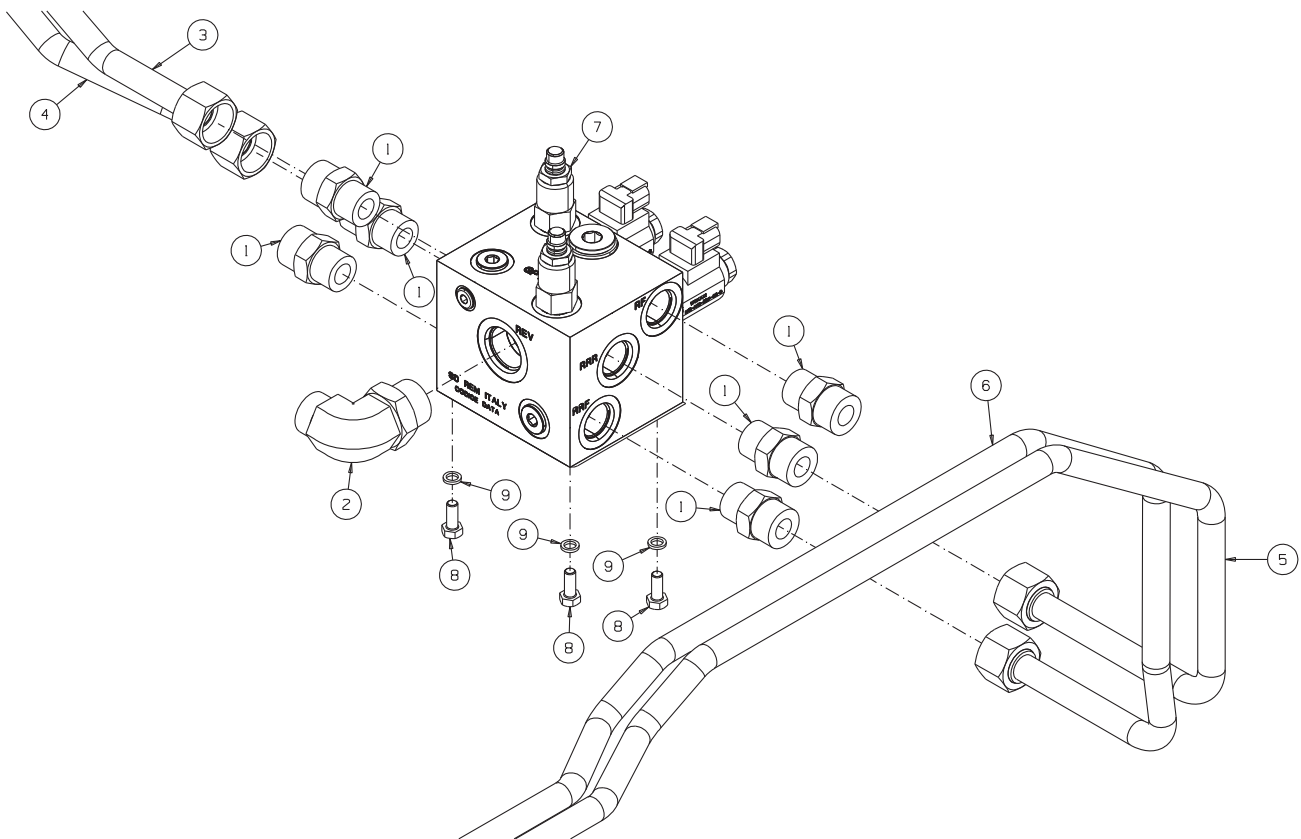


## BRAKE VALVE (4201021)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4201021	Brake Valve	1	
1	4259424	• Hand Pump	1	Torque 40 Nm
2	4280751	• Solenoid Valve	1	Torque 20 Nm
	4289494	• Solenoid Coil	AR	
3	4280752	• Needle Valve	1	Torque 30 Nm
4	4280753	• Relief Valve 70 Bar	1	Torque 45 Nm

TRANSMISSION VALVE

Illustration Number: 4248270-2\_transmission\_valve

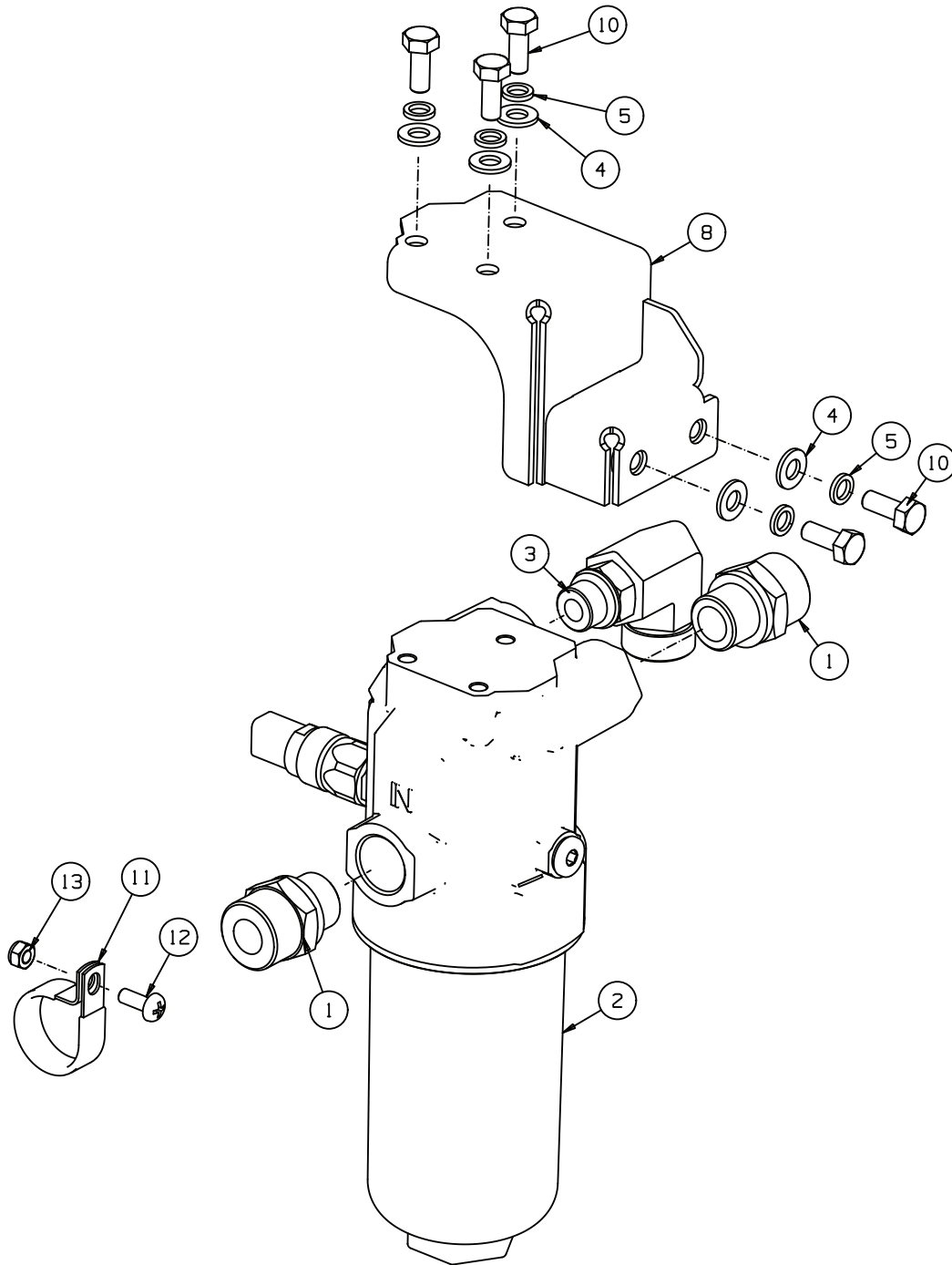


## TRANSMISSION VALVE

ITEM	PART NO.	DESCRIPTION	QTY.	
1	158006-08	Fitting - M/M 1-3/16 ORS X 1-1/16 SAE	6	
*	158061-09	• O Ring (For 1-3/16 ORS)	1	
*	002218120	• O Ring (For 1-1/16 SAE)	1	
2	158007-08	90 Elbow - 1-3/16 ORFS X 1-5/16 SAE	1	
*	158061-09	• O Ring (For 1-3/16 ORFS)	1	
*	002218146	• O Ring (For 1-5/6 SAE)	1	
3	4251550	Hydraulic Tube - Trans Valve LRR	1	
4	4251551	Hydraulic Tube - Trans Valve LRF	1	
5	4251552	Hydraulic Tube - Trans Valve RRR	1	
6	4251553	Hydraulic Tube - Trans Valve RRF	1	
7	4253070	Transmission Valve	1	
		• Solenoid Coil	AR	
8	450191	Screw - Hex M8 X 20	3	
9	450411	Lockwasher - M8 X 12.75 X 2	3	

HYDRAULIC FILTER MOUNTING

Illustration Number: 4282231-hyd\_filter

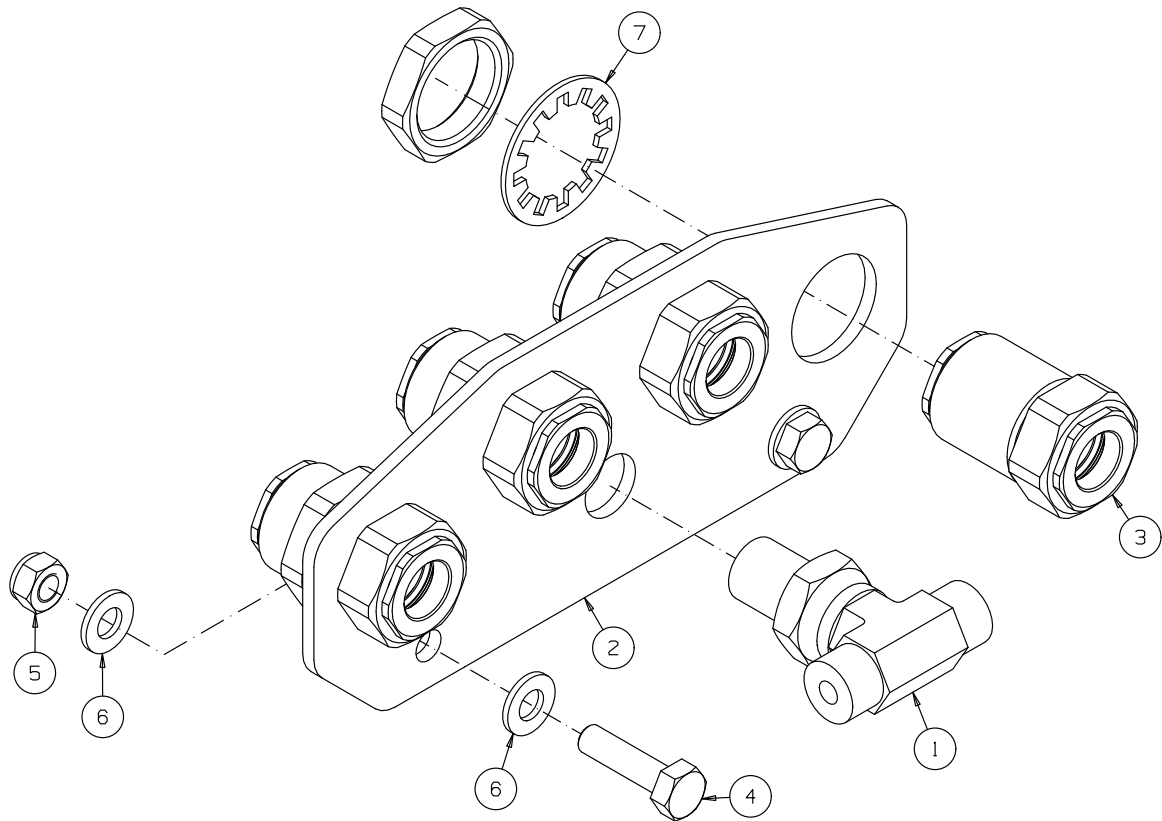


## HYDRAULIC FILTER MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002498850	Fitting - 3/4 BSP X 1 3/16 ORFS	3	
*	158061-09	• O Ring (For 1-3/16 ORFS)	1	
2	4279572	Filter 16 Micron E088	1	
	4283852	• Element	1	
	4291531	• Switch, Pressure	1	
3	4177125	Fitting 90 M/M 3/4 BSP x 1 3/16 ORFS	1	
*	158061-09	• O Ring (For 1-3/16 ORFS)	1	
4	450390	Washer - M8 X 17 X 1.8	5	
5	450411	Lockwasher - M8 X 12.75 X 2	5	
6	450499	Weldnut - Hex M8 - 1.25	2	
7	4282695	Brace - Filter	1	
8	4282696	Bracket - Filter	1	
9	4282760	Welded Assembly - Filter Bracket	1	
10	450191	Screw - Hex M8 - 1.25 X 20	5	
11	525213	P - Clip	1	
12	450541	Screw Pan Hd M6 - 1.0 x 16	1	
13	450377	Nut - Hex M6 - 1.0	1	

FRONT HYDRAULIC BULKHEAD

Illustration Number: 4245830\_front\_hydraulic\_bulkhead



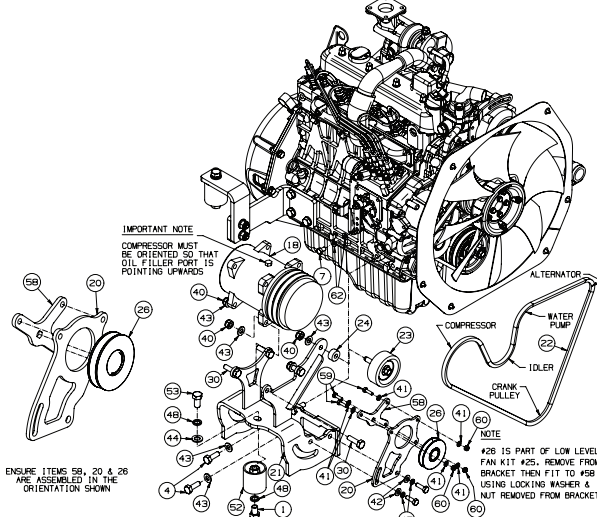
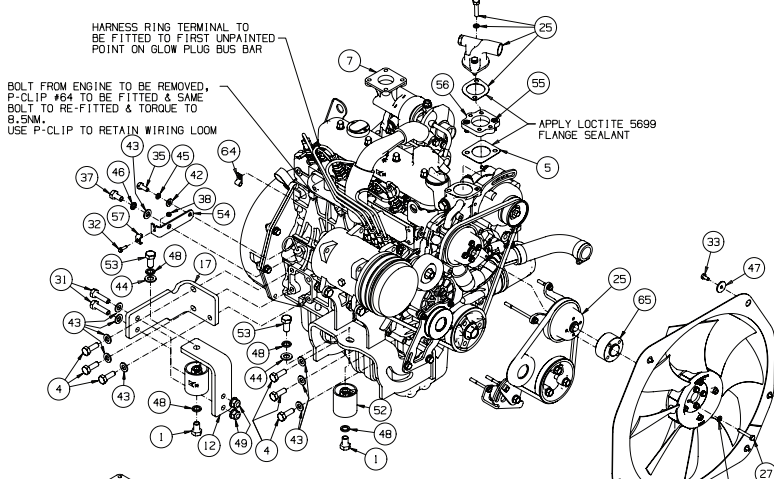
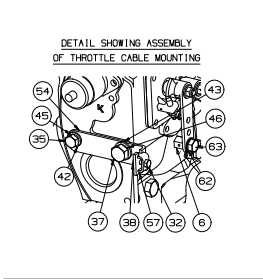


## FRONT HYDRAULIC BULKHEAD

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4136396	Tee-m/m/bulkhead 11/16 ORS	1	
*	158061-01	• O Ring (For 11/16 ORS)	3	
2	4221800	Bracket-front Bulkhead, Easy Fit	1	
3	4253350	Bulkhead-1/2" Easyfit	4	
4	450014	Bolt-hexagonal M8-1.25 X 30	2	
5	450378	Nut-hexagonal M8-1.25, Nyloc	2	
6	450390	Washer-M8 X 17 X 1.8	4	
7	4261890	Star Ring Size-12	4	

ENGINE AND MOUNTING (TURBO)

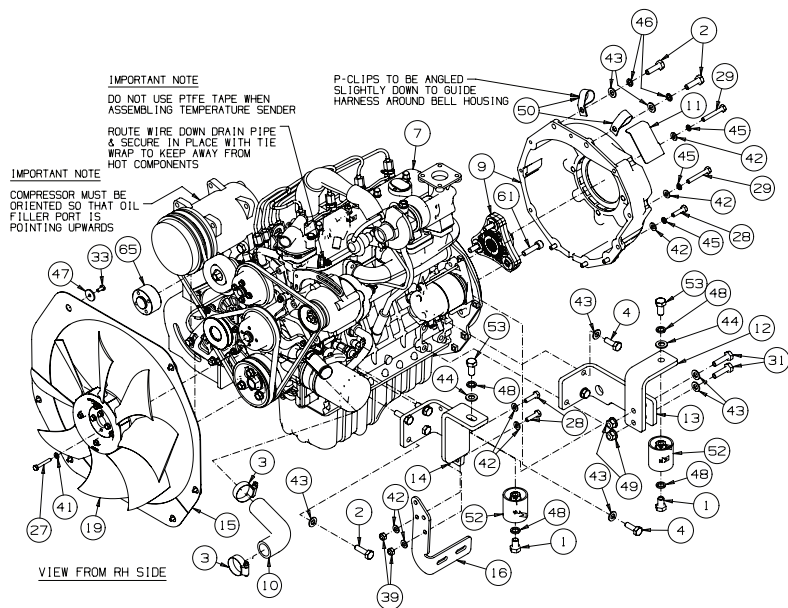
Illustration Number: 4236467n engine



NOTES

1. APPLY LOCTITE 243 (031955150) TO DELTA COUPLING SCREWS (ITEM 9) AND TORQUE TO 54 Nm (40 LBF)
2. APPLY SHELL ALVANIA GREASE TO SPLINE PORTION OF DRIVE HUB
3. ATTACH BELL HOUSING AND TIGHTEN THE FIXING SCREWS AS FOLLOWS:  
POSITION 'A' TIGHTEN TO 54 Nm (40 LBF)  
POSITION 'B' TIGHTEN TO 27 Nm (20 LBF)  
POSITION 'C' TIGHTEN TO 27 Nm (20 LBF)
4. TORQUE ALL FOUR THERMO HOUSING SCREWS TO 30.5 Nm (22.5 LBF)
5. TORQUE FAN SCREWS & FAN LOWERING KIT BRACKET (ITEMS 25 & 27) TO 12.5 Nm (9.5 LBF)
6. APPLY LOCTITE 243 TO ALL BRACKET SCREWS INTO ENGINE BLOCK
7. ENSURE FAN BELT TENSION HAS 7.0 TO 9.0mm DEFLECTION WITH 98 N (22lb) OF FORCE APPLIED CENTRALLY BETWEEN ALTERNATOR AND DRIVE PULLEY
8. ENSURE IDLER PULLEY (ITEM 23) IS RUNNING PARALLEL TO WATER PUMP PULLEY BEFORE FULLY TIGHTENING THE SCREWS THAT ATTACH COMPRESSOR MOUNTING BRACKET (ITEM 21 TO ENGINE & FITTING THE BELT (ITEM 22)

TORQUE REQUIREMENTS		
THREAD SIZE	GRADE	TIGHTENING TORQUE (Nm)
M 6 - 1	8.8	12.5
M 8 - 1.25	8.8	30.5
M 10 - 1.5	8.8	61.7

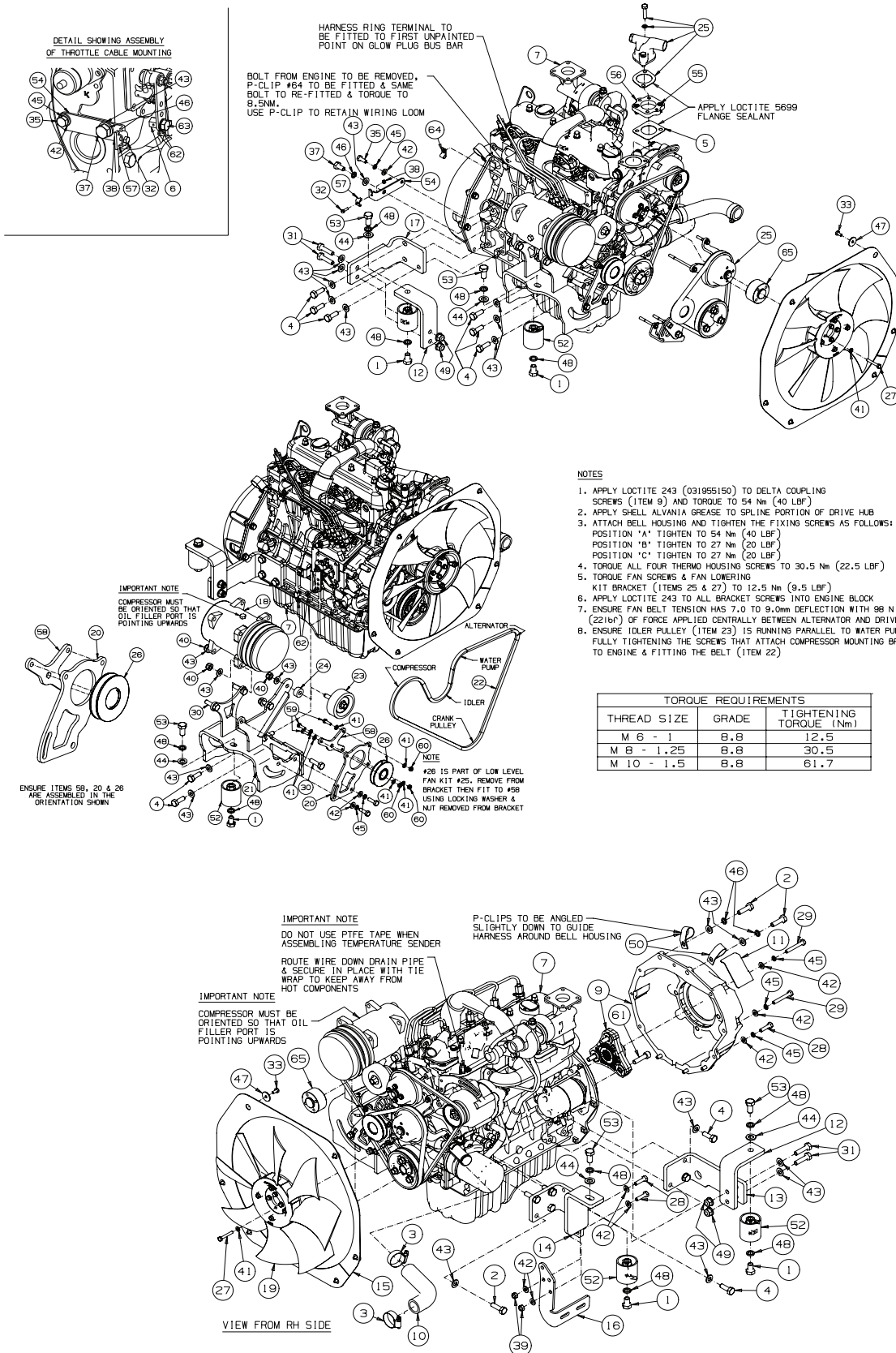


## ENGINE AND MOUNTING (TURBO)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001021090	Screw - Hex 1/2 - 13 X 3/4	4	
2	001191520	Screw - Hex M10 - 1.25 X 35	4	
3	001925400	Hose Clamp, 19 - 40	2	
4	006820550	Screw - Hex M10 - 1.25 X 30	12	
5	006822030	Thermostat Gasket	1	
6	172084	Clamp - Throttle	1	
7	4116764	Engine - Kubota V1505 - T	1	
8	4143246	Temperature Sender	1	
9	4176382	Kit - Bell Housing & Coupling	1	
10	4176761	Rad, Bottom Hose	1	
11	4236833	Cable Heat Shield	1	
12	4241562	Bracket - Engine	3	
13	4241563	Bracket - Engine, Rh Front	1	
14	4241564	Bracket - Engine, Rh Rear	1	
15	4248730	Shroud Adjuster Plate	1	
16	4249810	Bracket - Exhaust Support	1	
17	4241565	Bracket - Engine, LH Front	1	
18	4259170	Compressor	1	
19	4261710	Fan - 8 Blade 386 OD	1	
20	4269053	Bracket - Idler Pulley	1	
21	4264970	Compressor Mounting Bracket	1	
22	4265050	Compressor Belt	1	
23	4267910	Idler Pulley	1	
24	4267914	Spacer - 10.5 X 25 X 12	1	
25	4268414	Engine Kit V1505 T - For Cab	1	
26	4268419	Low Level Fan Kit Pulley.	1	
27	450175	Screw - Hex M6 - 1.0 X 40	4	
28	450014	Bolt - Hex M8 - 1.25 X 30	8	
29	450019	Bolt - Hex M8 - 1.25 X 55	2	
30	450029	Bolt - Hex M10 - 1.5 X 35	4	
31	450030	Bolt - Hex M10 - 1.5 X 40	6	
32	450151	Screw - Hex M5 - 0.8 X 16	1	
33	450168	Screw - Hex M6 - 1.0 X 12	6	
35	450191	Screw - Hex M8 - 1.25 X 20	1	
36	450411	Lock Washer M8 x 12 x 2	9	
37	001190327	Screw - Hex M10 - 1.25 X 20	1	
38	450376	Nut - Hex M5 - 0.8, Nyloc	1	
39	450378	Nut - Hex M8 - 1.25, Nyloc	2	
40	450379	Nut - Hex M10 - 1.5, Nyloc	5	
41	450389	Washer - M6 X 12.5 X 1.8	4	
42	450390	Washer - M8 X 17 X 1.8	11	
43	450391	Washer - M10 X 21 X 2.2	26	
44	450392	Washer - M12 X 24 X 2.7	4	

ENGINE AND MOUNTING (TURBO)

Illustration Number: 4236467m engine

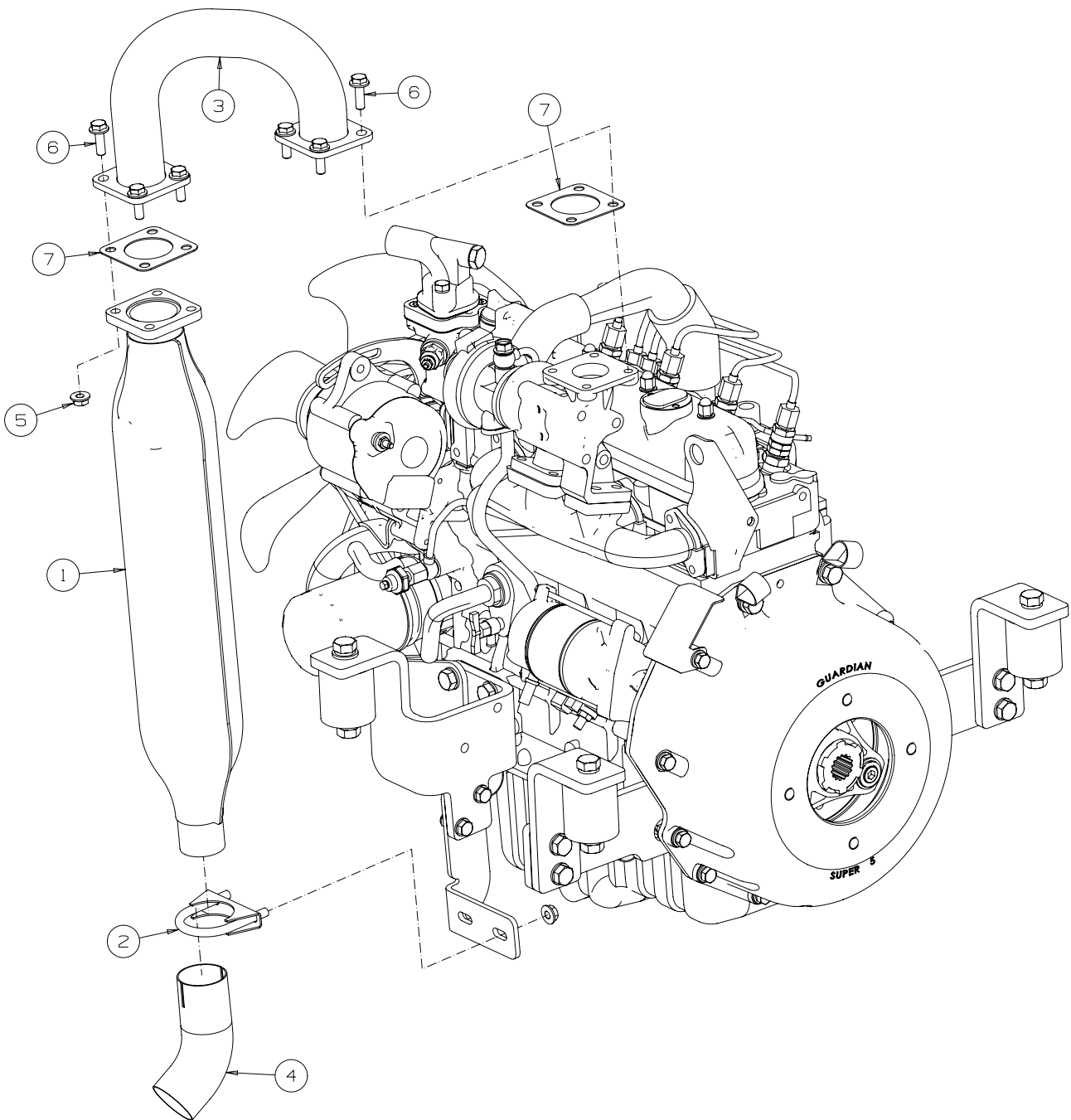


## ENGINE AND MOUNTING (TURBO)

ITEM	PART NO.	DESCRIPTION	QTY.	
45	450411	Lock washer - M8 X 12.75 X 2	11	
46	450412	Lock washer - M10 X 15.9 X 2.5	3	
47	452101667	Washer - 1/4 X 1 X .104	6	
48	452200168	Lock washer - 1/2 X .763 X .116	8	
49	452437	Nut - Nyloc M10 Flange	6	
50	469016509	P - Clip	2	
52	48380	Mount - Isolation	4	
53	64123 - 73	Screw - Hex 1/2 - 13 X 1, Gr S	4	
54	Mbg2027a	Throttle Bracket	1	
55	4285631	Cap Screw - Hex Socket M8 - 1.25 X 20	2	
56	MBG4164	Spacer - Thermo Housing	1	
57	W022372	Throttle Clamp	1	
58	4269057	Plate - Idler Pulley Bracket	1	
59	450171	Screw - Hex M6 - 1.0 X 20	3	
60	450377	Nut - Hex M6 - 1.0, Nyloc	3	
61	4177860	Cap Screw - Socket M10 - 1.25 X 40	3	
62	002920501	Spring - Disc 8.2 X 16 X 0.9	2	
63	456010161	Screw - Hex 5/16 - 24 X 1/2	1	
64	W48228 - 04	P - Clip	1	
65	4291931	Turbo Engine Fan Spacer	1	

TURBO ENGINE EXHAUST

Illustration Number: 4245112

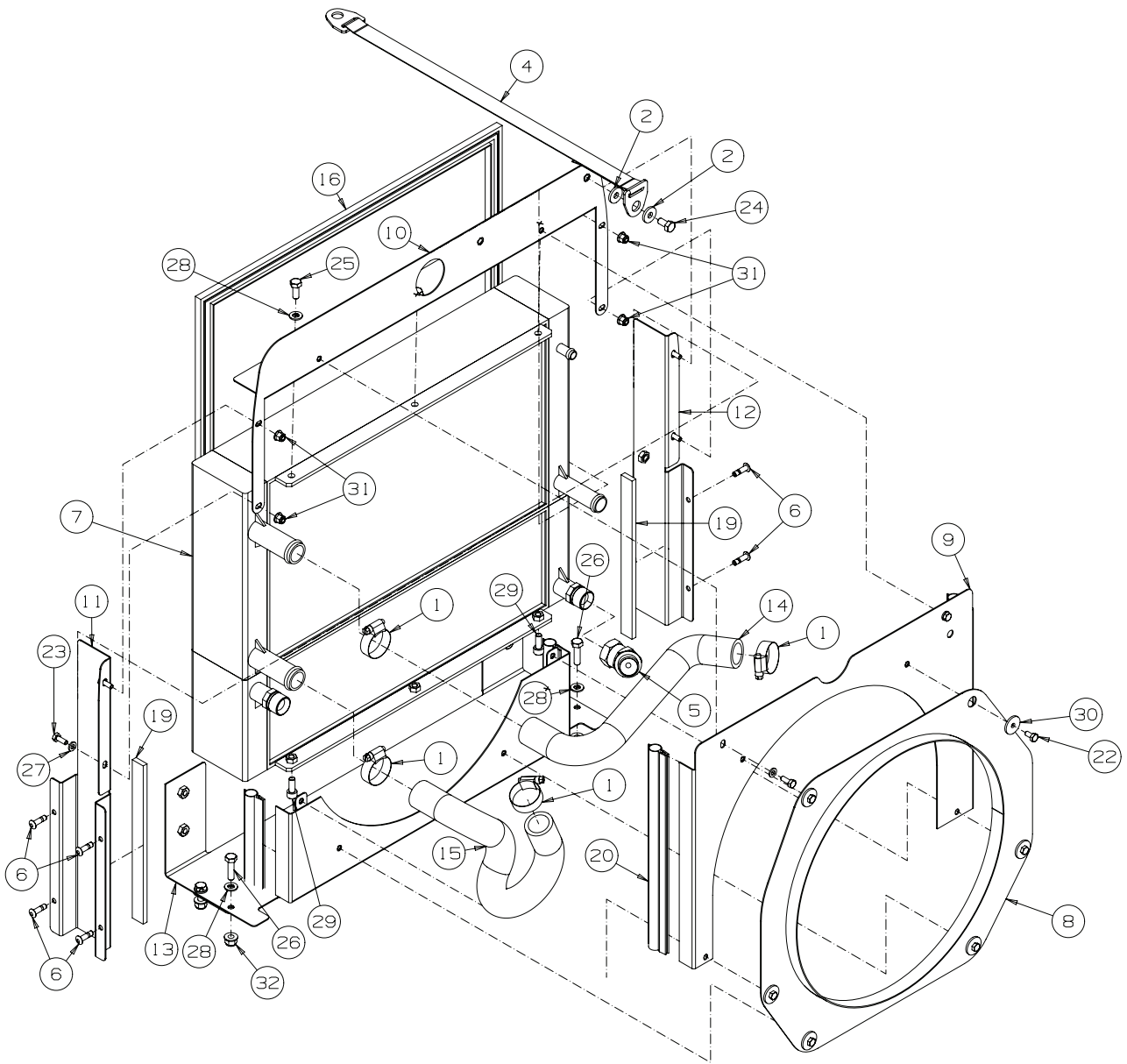


## TURBO ENGINE EXHAUST

ITEM	PART NO.	DESCRIPTION	QTY.	
1	16296-12111	Muffler	1	
2	4116132	U-clamp 48 mm	1	
3	4249811	Welded Assembly-exhaust Pipe	1	
4	4249830	Tailpipe	1	
5	450453	Nut-hex M8-1.25, Verbus Ripp	6	
6	450472	Screw - Hex M8-1.25 X 25	8	Verbus Ripp
7	553020	Gasket Muffler	2	

RADIATOR

Illustration Number: 4236468-2



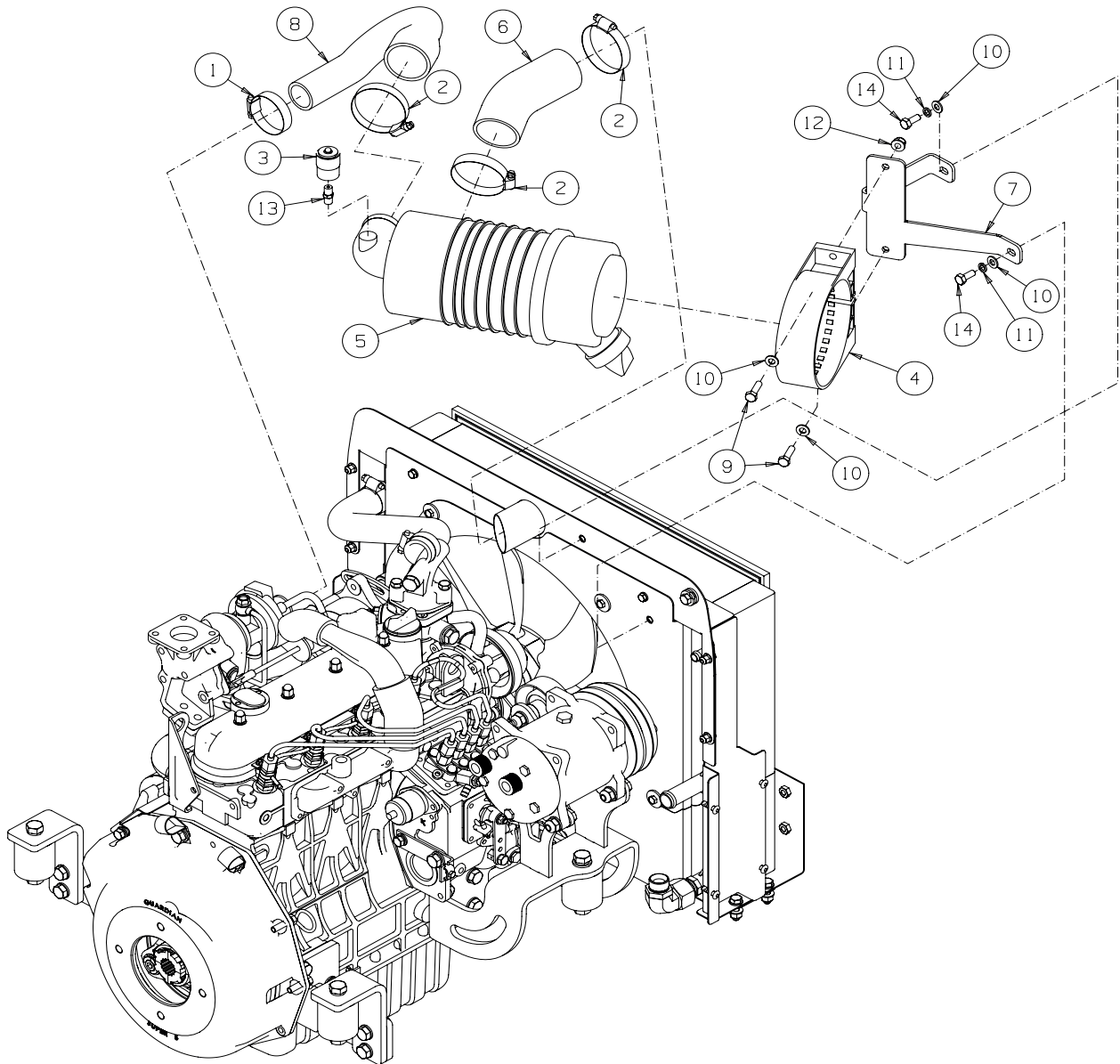


## RADIATOR

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001925400	Hose Clamp, 19-40	4	
2	009072070	Washer - M8 X 22 X 3	2	
3	031955320	Black Silicon Sealant	1	
4	4139965	Lanyard	1	
5	4167923	Fitting - 3/4" BSP Male X Swivel Female	1	45 Deg
6	4173320	Rivet - Pop 6.4 X 14 Steel	8	
7	4241942	Radiator	1	
8	4244564	Shroud Adjuster Welded Assembly	1	
9	4244566	Shroud Top Welded Assembly	1	
10	4244568	Radiator Top Surround	1	Welded Assembly
11	4244569	Radiator Surround - LH	1	
12	4244570	Radiator Surround - RH	1	
13	4244573	Radiator Shroud Bottom	1	Welded Assembly
14	4244831	Hose - Upper Radiator	1	
15	4244832	Hose - Lower Radiator	1	
16	4245230	Bug Screen	1	
19	4248070	Seal Foam, 250mm Long	2	
20	4248710	Seal Edge, 315mm Lg	2	
21	4248711	Seal Edge, 140mm Lg	2	
22	450168	Screw - Hex M6-1.0 X 12	4	
23	450170	Screw - Hex M6-1.0 X 16	8	
24	450190	Screw - Hex M8-1.25 X 16	1	
25	450191	Screw - Hex M8-1.25 X 20	3	
26	450193	Screw - Hex M8-1.25 X 30	4	
27	450389	Washer - M6 X 12.5 X 1.8	6	
28	450390	Wssher - M8 X 17 X 1.8	7	
29	450723	Cap Screw - Hex Socket M8-1.25 X 20	2	
30	452101667	Washer - 1/4 X 1 X .104	6	
31	452435	Nut - Hex M6 Flange Nyloc	4	
32	452436	Nut - Hex M8 Flange Nyloc	4	

AIR CLEANER (TURBO)

Illustration Number: 4239663\_air\_cleaner\_turbo

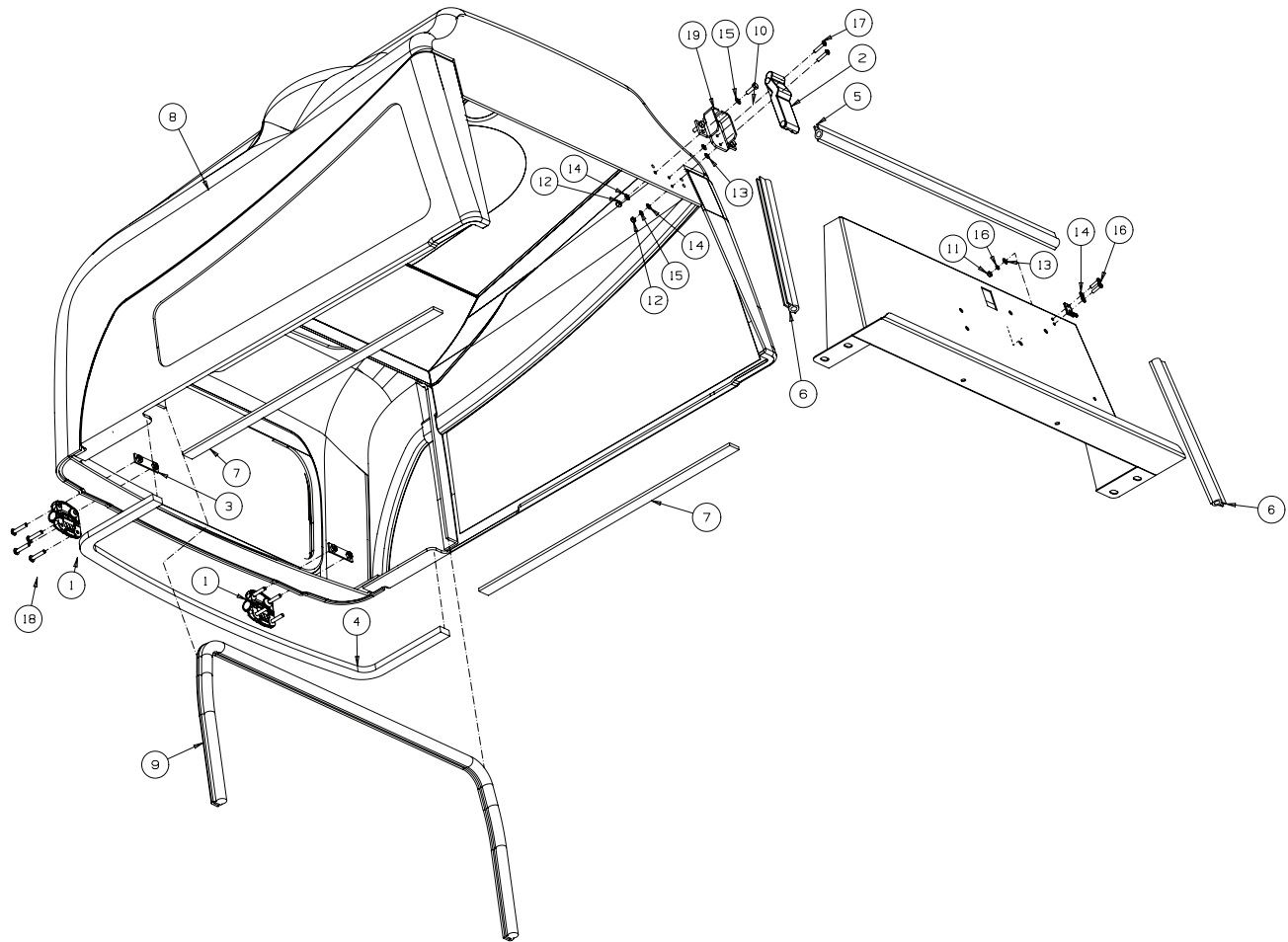


## AIR CLEANER (TURBO)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001925570	Hose Clamp, 34-57	1	
2	001925700	Hose Clamp, 23-70	3	
3	008109680	Restriction Indicator	1	
4	4133245	Mounting Band 5" Plastic	1	
5	2198147	Air Cleaner	1	
*	2198147-01	• Element	1	
*	2198147-02	• Valve, Dust Unloader	1	
*	2198147-03	• Cover	1	
*	2198147-04	• S-Cover Clip	2	
6	4244830	Hose - Air Intake	1	
7	4267030	Bracket - Air Cleaner	1	
8	4251036	Hose - Air Cleaner, Turbo	1	
9	450193	Screw - Hex M8-1.25 X 30	2	
10	450390	Washer - M8 X 17 X 1.8	2	
11	450411	Lockwasher - M8 X 12.75 X 2	2	
12	452436	Nut - Hex M8 Flange Nyloc	2	
13	840346	Adaptor - Gauge	1	
14	450191	Screw - Hex M8-1.25 X 20	2	

ENGINE HOOD MOUNTING

Illustration Number: 4246670-2

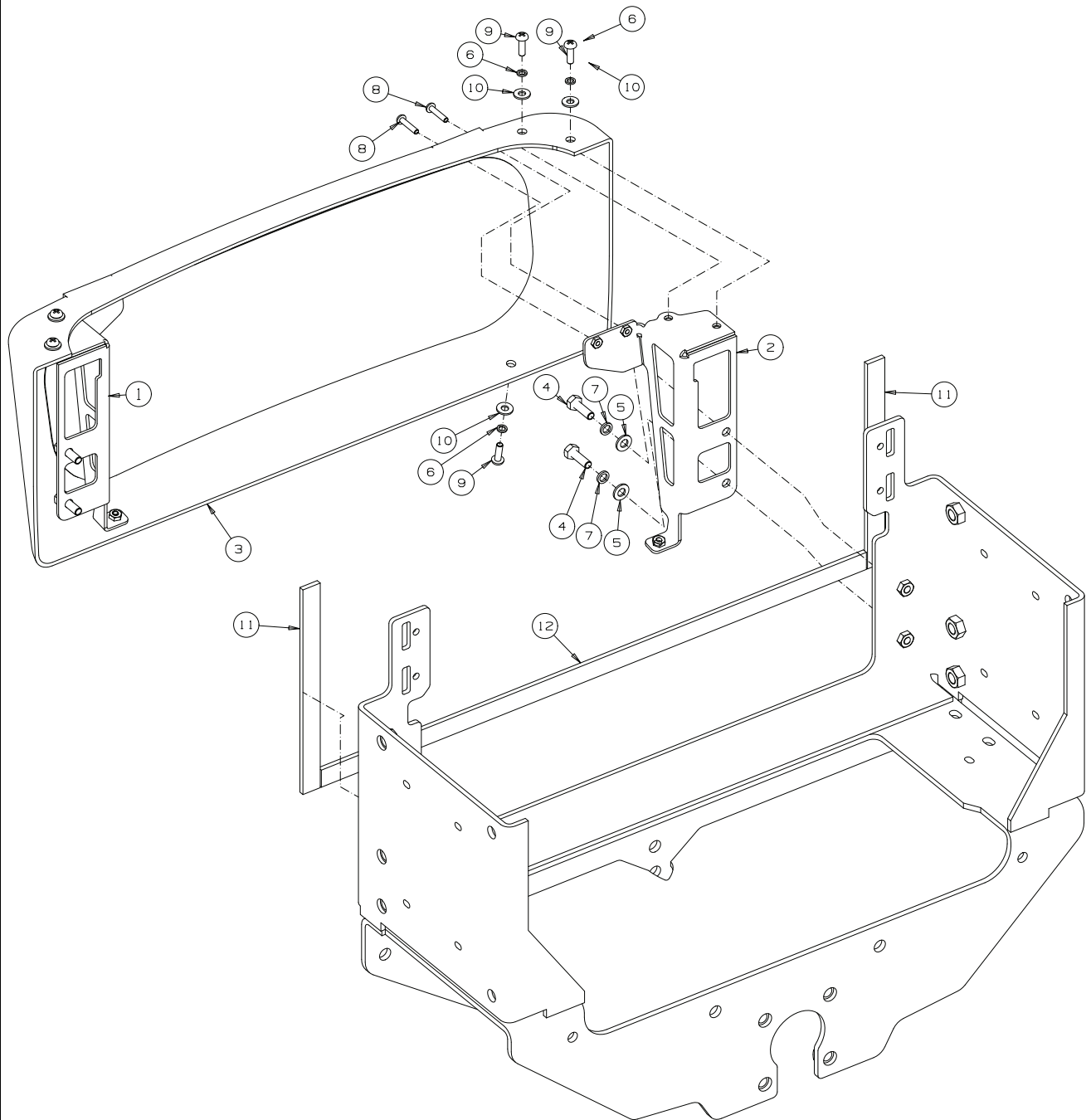


## ENGINE HOOD MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002991040	Hinge	2	Welded Assembly
2	2198112	Draw Latch	1	
3	4164402	Brace Bonnet Fastening	2	
4	4225560	Seal-foam, 950mm Lg	1	
5	4225680	Seal-edge, 520mm Lg	1	
6	4225681	Seal-edge, 265mm Lg	2	
7	4225740	Seal-closed Cell Foam, 510mm Lg	2	
8	4246570	Engine Hood, Green	1	
9	4248030	Seal-edge, 1170mm Long	1	
10	450151	Screw-hex M5-0.8 X 16	4	
11	450321	Nut-hex M4-0.7	4	
12	450376	Nut-hex M5-0.8, Nyloc	4	
13	450387	Washer-M4 X 9 X 0.9	8	
14	450388	Washer-M5 X 10 X 1.1	8	
15	450408	Lockwasher-M4 X 6.95 X 1.2	4	
16	450519	Screw-pan Hd M4-0.7 X 16	2	
17	450520	Screw-pan Hd M4-0.7 X 20	2	
18	450530	Screw-pan Hd M5-0.8 X 25	8	
19	MBG6720	Bracket, Hood Latch	1	

LOWER COVER

Illustration Number: 4236470\_lower\_cover

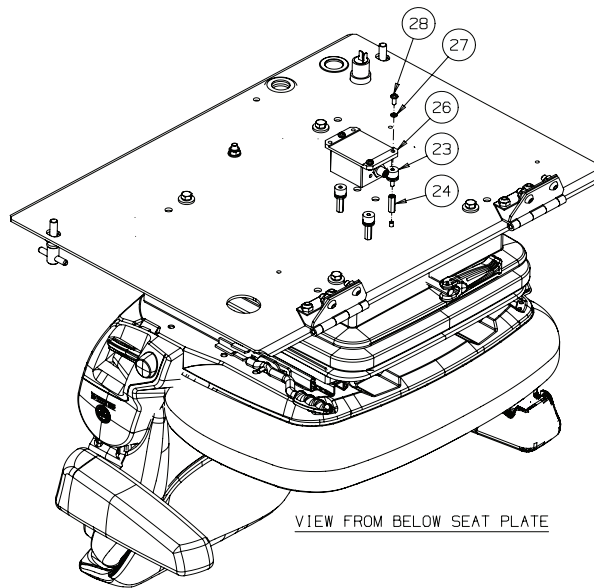
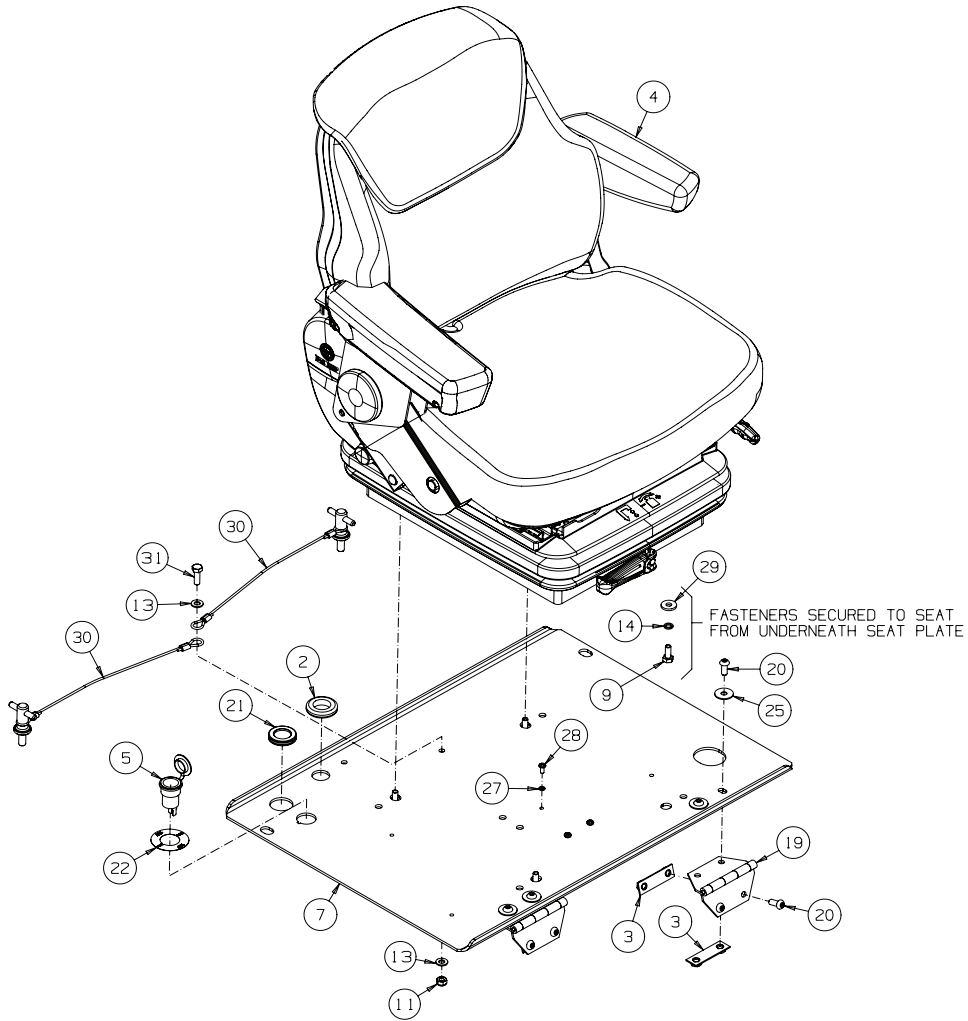


## LOWER COVER

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4236474	Welded Assembly - Hinge Bracket RH	1	
2	4236475	Welded Assembly - Hinge Bracket LH	1	
3	4238907	Cover - Lower, Assembly	1	
4	450192	Screw - Hex M8-1.25 X 25, Gr 8.8	4	
5	450390	Washer - M8 X 17 X 1.8	4	
6	450410	Lockwasher - M6 X 9.6 X 1.5	6	
7	450411	Lockwasher - M8 X 12.75 X 2	4	
8	450530	Screw - Pan Hd M5-0.8 X 25, Gr 4.8	4	
9	450542	Screw - Pan Hd M6-1.0 X 20, Gr 4.8	6	
10	452100019	Washer - 1/4 X 5/8 X .064	6	
11	4262754	Foam Seal 240mm Long	2	
12	4262755	Foam Seal 630mm Long	1	

SEAT AND MOUNTING

Illustration Number: 4192992-2



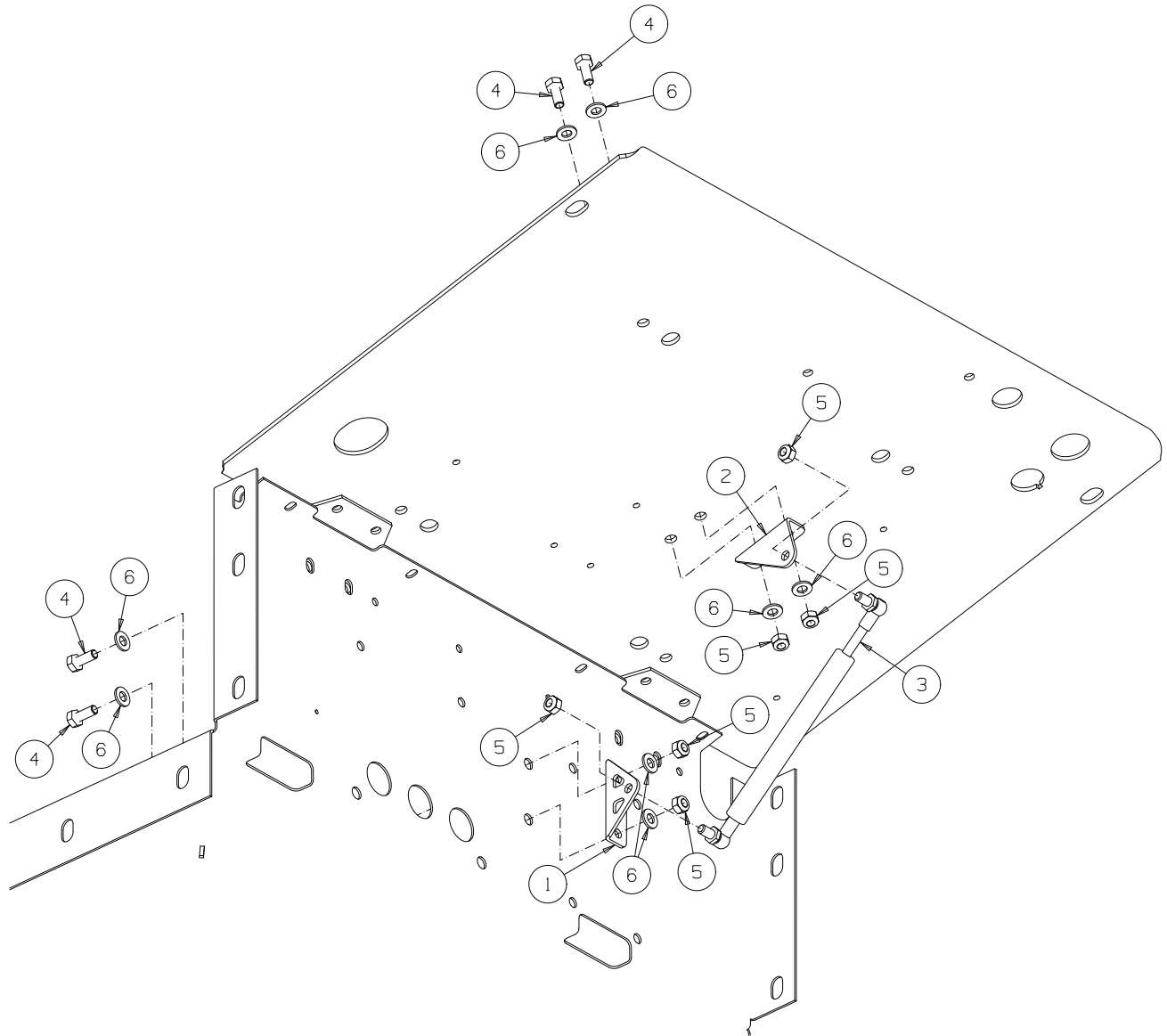


## SEAT AND MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
2	002953420	Grommet-25.4 x 44.5 x 9.9	1	
3	4118558	Welded Assembly-Keep Plate	4	
4	4140320	Seat-Grammer MSG85	1	
5	4138885	Accessory Socket-Large	1	
7	4210204	Seat Plate	1	
8	450149	Screw-Hex M5 x 12	1	
9	450191	Screw-Hex M8 x 20	5	
11	450378	Nut-Hex M8 Nyloc	2	
13	450390	Washer-M8 x 17 x 1.8	4	
14	450411	LockWasher-M8 x 12.75 x 2.1	4	
19	MBG2013.07	Hinge-Seat Plate	2	
20	4142288	Screw-Pan Hd M8 x 20 Torx	8	
21	002953320	Grommet	1	
22	4164660	Decal-Auxiliary Power Socket 12V	1	
24	4205842	Spacer-Hex M5 x 25	3	
25	MBC9297	Washer-8.5 x 26.5 x 1.6	4	
27	450409	LockWasher-M5 x 8.55 x 1.6	3	
28	450526	Screw-Pan Hd M5 x 12	3	
29	009072070	Washer-M8 x 22 x 3	4	
30	4218740	Assembly -M10 Bolt with Lanyard	2	
31	450192	Screw-Hex M8 x 25	1	
	LMAC401	Kit-TST (Tilt Sensor Technology)		
23	4205840	Anti-Vibration Mount	3	
26	4198284	Inclinometer	1	
27	450409	LockWasher-M5 x 8.55 x 1.6	3	
28	450526	Screw-Pan Hd M5 x 12	3	

SEAT PLATE GAS STRUT

Illustration Number: 4193015

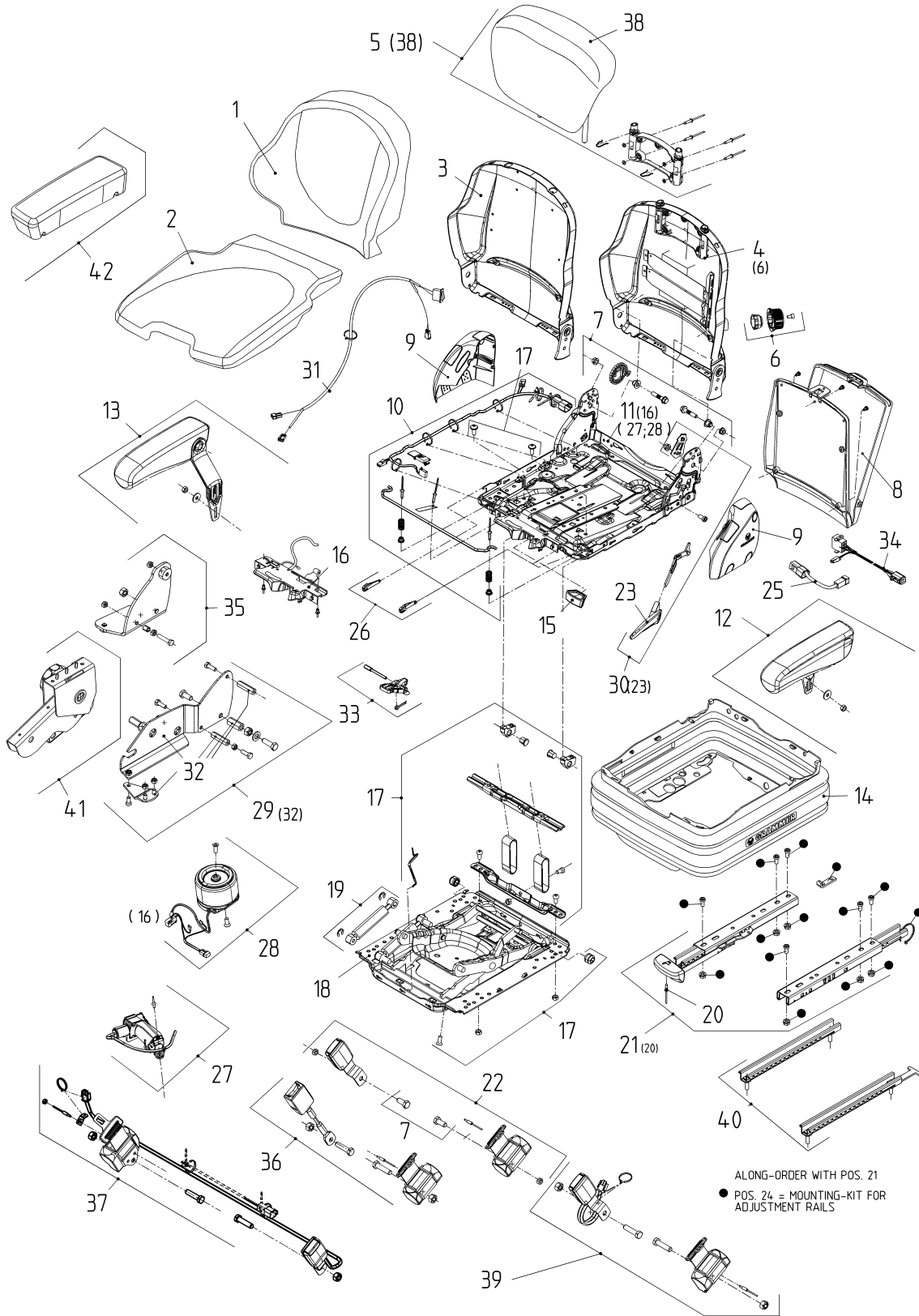


## SEAT PLATE GAS STRUT

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4218600	Front Gas Strut Mount	1	
2	4218601	Seat Plate Gas Strut Mount	1	
3	4225281	Gas Strut	1	
4	450191	Screw-Hex M8 x 20	4	
5	450378	Nut-Hex M8 Nyloc	6	
6	450390	Washer-M8 x 17 x 1.8	8	

SEAT, GRAMMER MSG 75 (4164150)

Illustration Number: 1123951

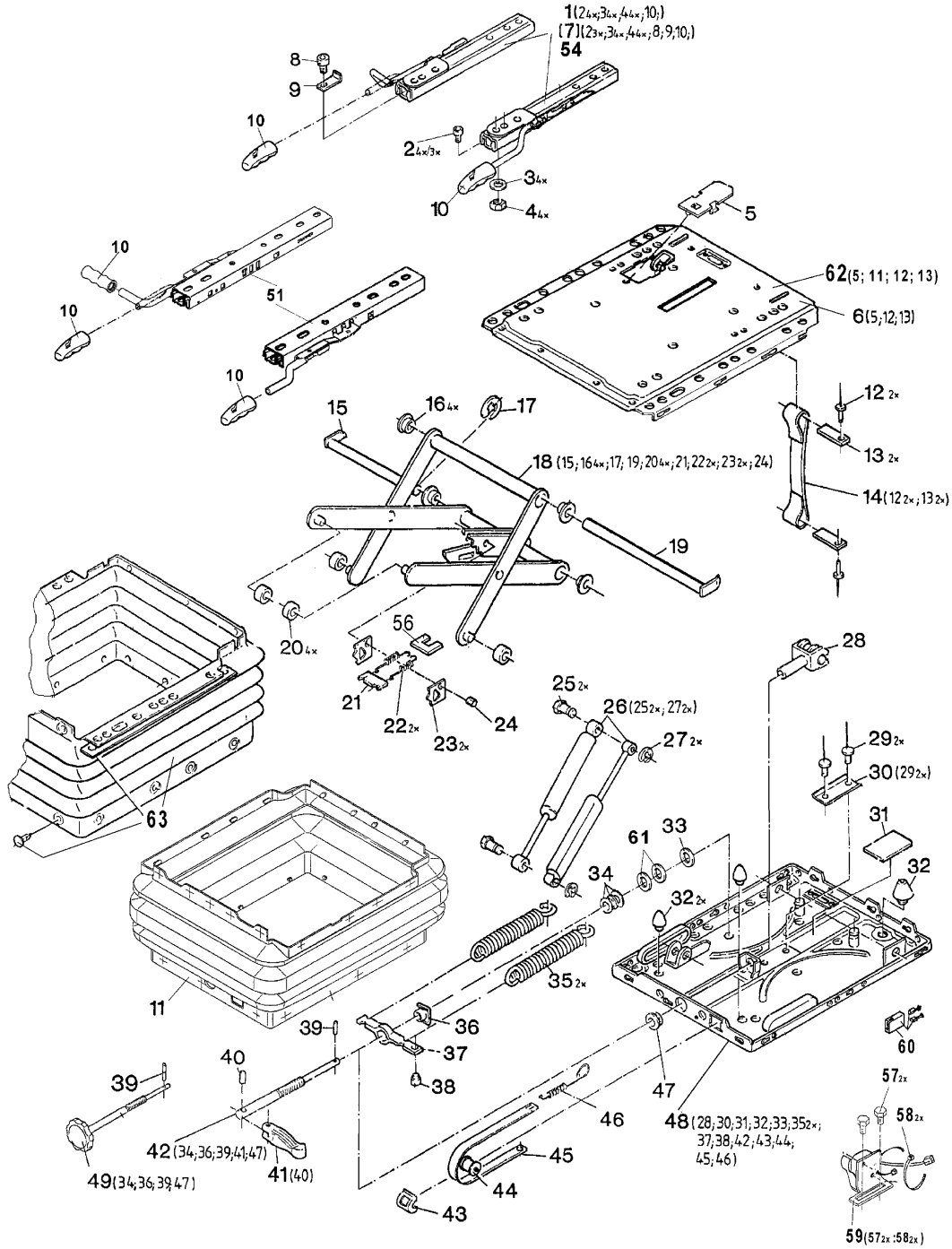


## SEAT, GRAMMER MSG 75 (4164150)

ITEM	PART NO.	DESCRIPTION	QTY.	
	4164150	Air Suspension seat with MFA		
1		• Backrest Cushion	1	
1		• Backrest Cushion	1	
1		• Cushion Kit,Back,Blk	1	
1	4205281	• Cushion Kit,Back,Blk	1	
2		• Seat Cushion	1	
2		• Seat Cushion	1	
2		• Cushion Kit,Seat,Blk	1	
2	4205280	• Cushion Kit,Seat,Blk	1	
4		• Backrest Kit	1	
5		• Backrest Extension	1	
5		• Backrest Ext Int Kit	1	
6		• Handle Kit,Grey	1	
7		• Fixing Parts Kit,Back	1	
8		• Literature Box Kit	1	
9		• Side Cover Kit	1	
10	4228780	• Ops Switch Kit	1	
11	4281196	• Suspension Msg75 12v	1	
12		• Armrest Assembly,A60/320	1	
13		• Armrest Assembly,A60/320	1	
14		• Bellows	1	
15		• Handle	1	
16	4228080	• Housing	1	
17		• Set Of Wearing Parts	1	
18		• Swing Arm	1	
19		• Shock Absorber Kit	1	
20		• Handle Kit,Grey	1	
21		• Set Of Adjustment Rails	1	
22		• Seatbelt Kit,Duo,LH	1	
23		• Handle	1	
24		• Fixing Parts	1	
27	4169180	• Compressor 12v	1	
28	4228081	• Air Spring	1	
29		• Armrest Support	1	
30		• Backrest Adjustment	1	
33		• Lever	1	
35	4205282	• Headrest Cushion	1	
38		• Backrest Extension,Bracket	1	
38		• Backrest Extension	1	
41		• Adjustment Unit	1	
42		• RH Armrest	1	(Not 4164150)
43		• RH Armrest / MFA	1	(4164150 only)

SEAT, GRAMMER MSG 85 (4140320)

Illustration Number: 4140320-1



## SEAT, GRAMMER MSG 85 (4140320)

ITEM	PART NO.	DESCRIPTION	QTY.	
	4140320	Mechanical Suspension seat with MFA	1	
5	008173680	• Cover	1	
6		• Kit, Suspension Upper	1	
11		• Kit, Bellow	1	
15	008173790	• Bolt	1	
16	008173800	• Bushing	4	
18	008199900	• Swing Arm Kit	1	
19		• Bolt	1	
20	008173780	• Roller	4	
21	008173820	• Plate	1	
22		• Tension Spring	2	
23	008173830	• Release Plate	2	
24	008173840	• Bolt	1	
25	008173710	• Bolt, M8 x 22, Yellow	2	
26	008199680	• Kit, Shock Absorber, S	1	
27	008173720	• Washer, Retaining, 5 mm	2	
28	4197064	• Fork	1	
29	008173740	• Rivet, 4.0 x 10.0	2	
30		• Bracket, U-Shaped Pro	1	
31	008173760	• Rubber Plate	1	
32	008173730	• Bumper Set	1	
33	008173870	• Thrust Washer Kit	1	
35	008144410	• Spring, Tension	2	
36	008173880	• Nut, M12, Flange	1	
37	008173910	• Spring Bracket	1	
38	008173930	• Plug, Retainer	1	
39		• Pin, 3.0 x 16	1	
40		• Pin, 4 x 28	1	
41		• Handle (Toggle)	1	
42		• Adjustment Spindle	1	
43	008173950	• Guide	1	
44	008193960	• Roller	1	
45	008193920	• Band, Weight, 130 kg	1	
46	008173940	• Tension Spring	1	
47		• Bushing	1	
52	4228181	• Suspension Lower Par	1	
53		• Fixing Parts	1	
55	4228180	• Suspension MSG85	1	
57		• Screw, M6 x 12	2	
58		• Ties, Cable, 2.5 x 102	2	
59		• Switch	1	
60	008174000	• Connector, Electrical	1	



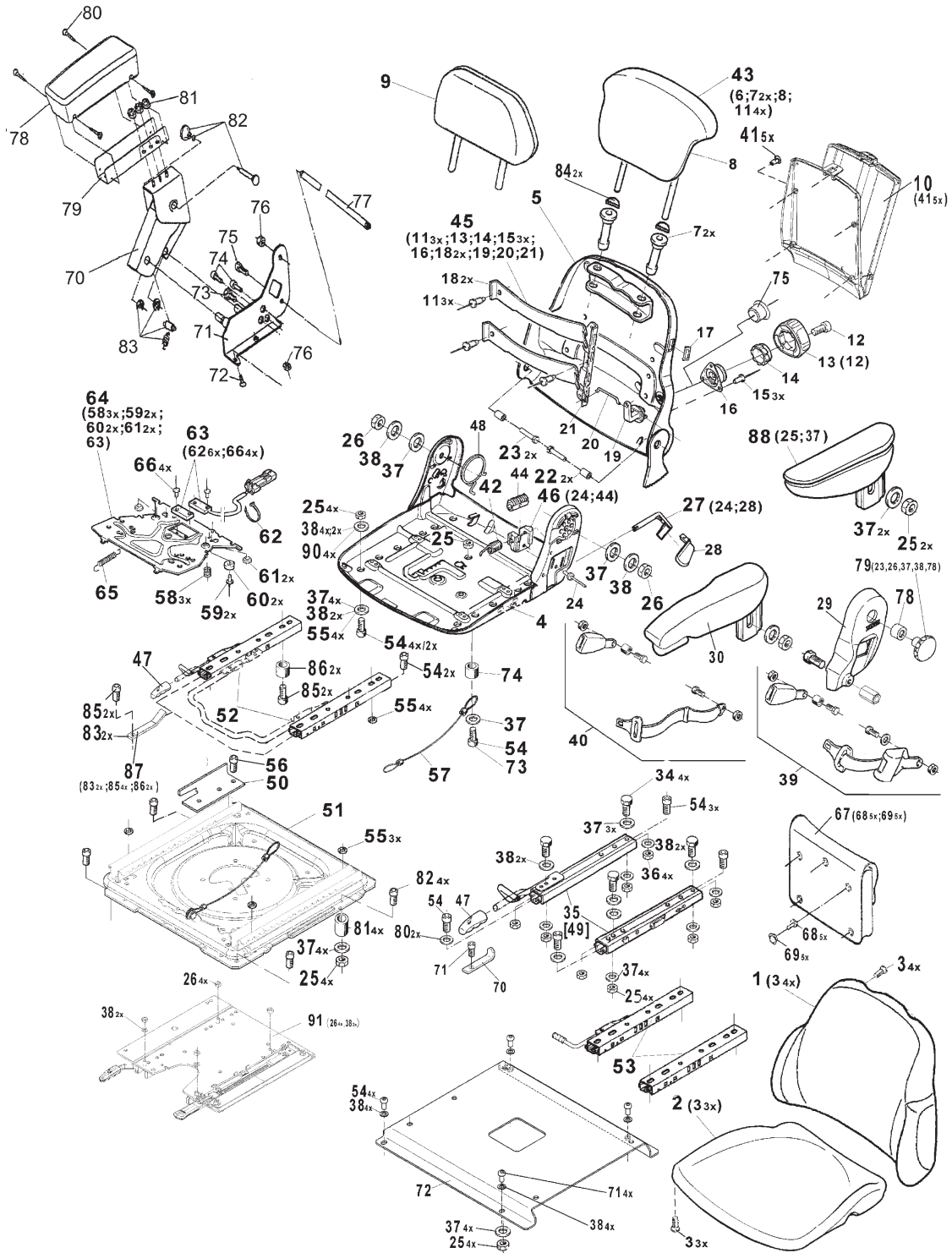


## SEAT, GRAMMER MSG 85 (4140320)

ITEM	PART NO.	DESCRIPTION	QTY.	
1		• Assembly, Cushion, Backrest	1	
2		• Assembly, Cushion, Seat	1	
3		• Screw, M5 x 25, Pan Hd	7	
4		• Seat Pan	1	
5		• Backrest Pan Kit	1	
7		• Tube	2	
8		• Backrest Extension	1	
22		• Tube	2	
23		• Screw, M8-1.25 x 40	2	
24		• Rivet, 6 x 12	1	
25		• Nut, Hex, M8-1.25	6	
26	113048	• Nut, Hex, M8-1.25	2	
27		• Lever	1	
28		• Handle, Grey	1	
29		• Cover, LH, Blk	1	
33		• Cover, RH, Blk	1	
34		• Screw M8 x 16	4	
35		• Set of Adjustment Rails	1	
36		• Nut, Hex M8-1.25	4	
37		• Washer, Flat, M8	11	
38		• Washer 8.4-Hv140	6	
39		• Kit, Seatbelt, 2 Retractable	1	
40		• Seatbelt, 2 Non-retractable	1	
42		• Spring, Spiral	1	
44		• Stop	1	
46		• Bearing Kit	1	
48		• Spring, Leg, Backrest	1	
49		• Set of Adjustment Rails	1	
54		• Screw, M8 x 16, Hex Socket	4	
67		• Literature Box	1	
68		• Blind Rivet 3.2 x 11.2	5	
69		• Ball	5	
88		• Armrest	1	
	4138707	Multi-Function Arm Rest	1	
70		• Adjustment Unit	1	
71		• Arm Rest Support	1	
72		• Screw	1	
73		• Screw	1	
74		• Screw	2	
75		• Screw	2	
76		• Nut	2	

SEAT, GRAMMER MSG 85 (4140320)

Illustration Number: 4140320-2

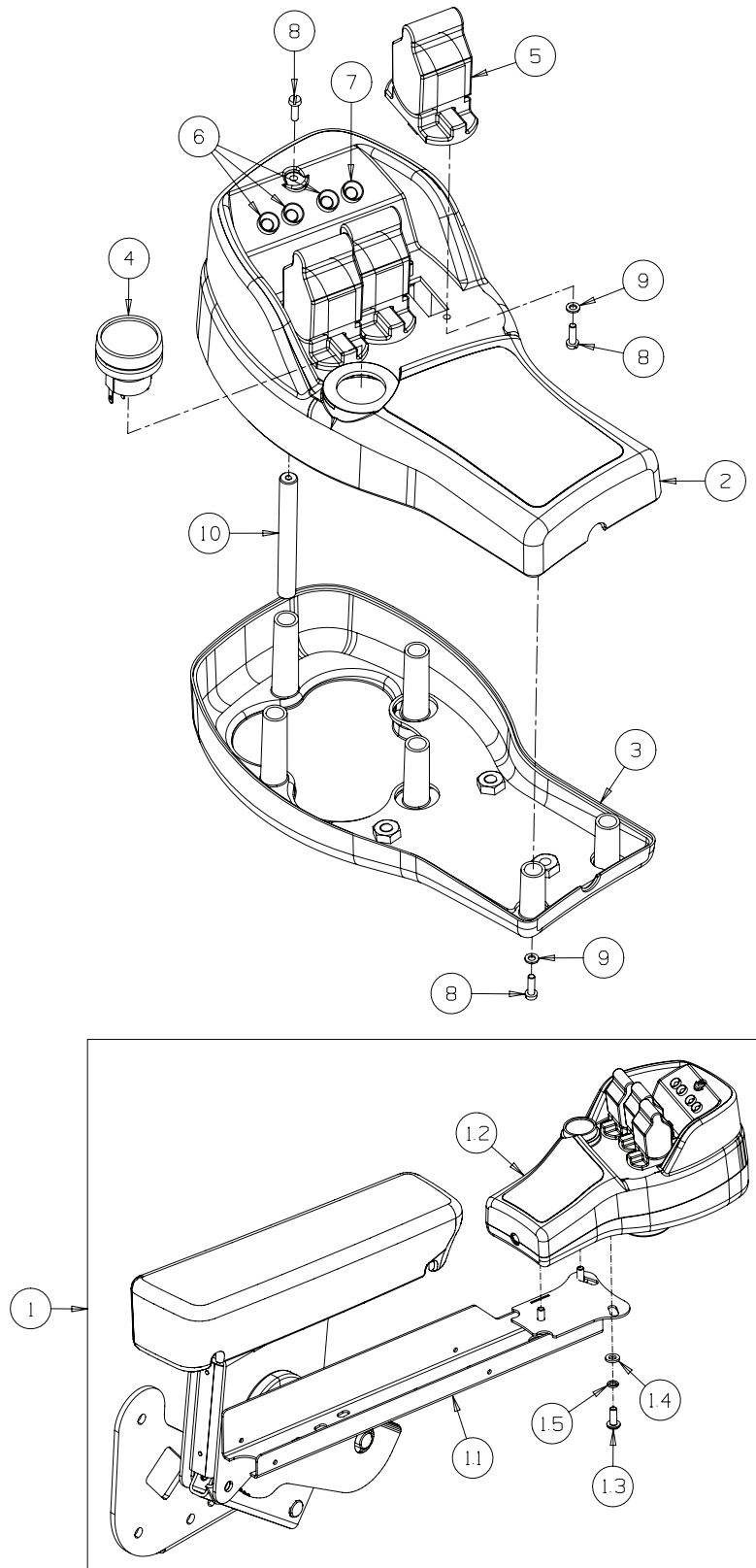


## SEAT, GRAMMER MSG 85 (4140320)

ITEM	PART NO.	DESCRIPTION	QTY.	
77		• Tube	1	
78		• Arm Cushion	1	
79		• U-profile	1	
80		• Screw	4	
81		• Nut	3	
82		• Adjustment Spindle	1	
83		• Adjustment Service KIT	1	

ARMREST AND POD

Illustration Number: 4192986\_armrest

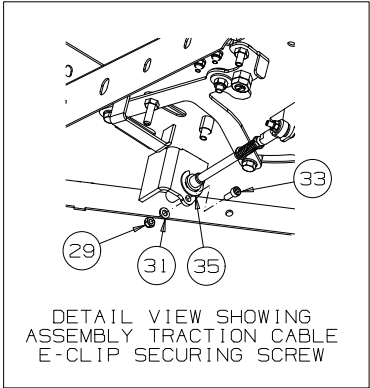
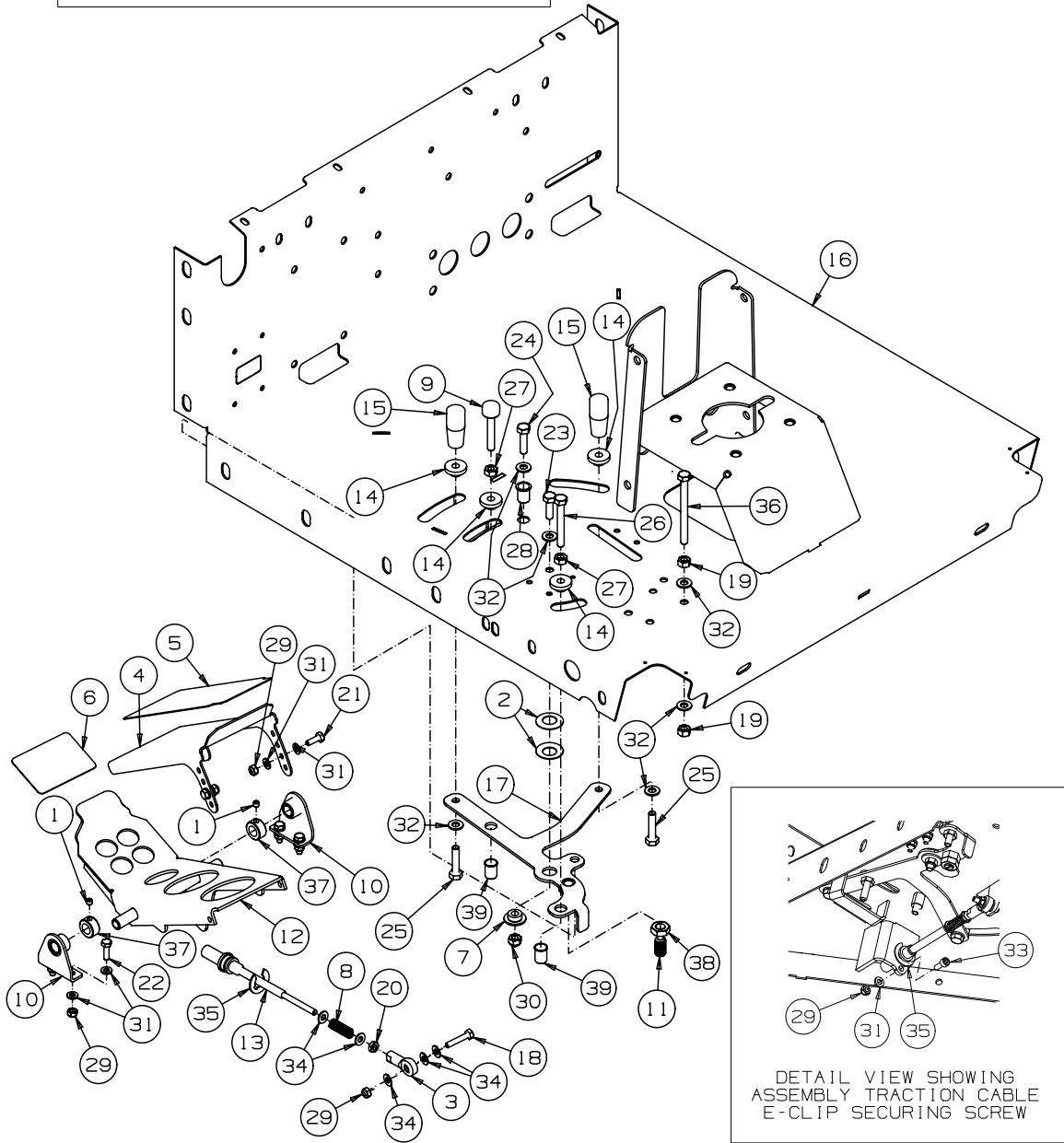
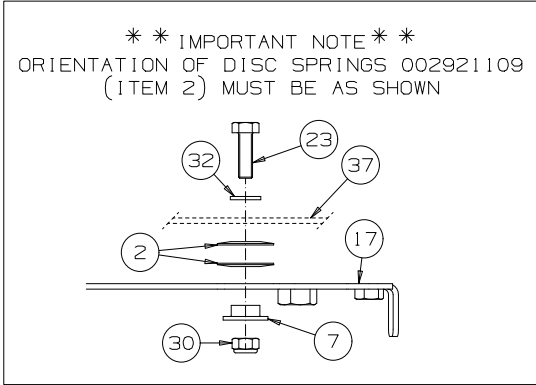


## ARMREST AND POD

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4192986	Armrest Assembly	1	
1.1	4170260	• Welded Assembly-Armrest Bracket	1	
1.2	4207603	• Assembly-Armrest Pod	1	
1.3	450541	• Screw-Pan Hd M6 x 16	3	
1.4	450389	• Washer-M6 x 12.5 x 1.8	3	
1.5	450410	• Lockwasher-M6 x 9.6 x 1.6	3	
2	4207604	Armrest Pod, Top	1	
3	4161380	Armrest Pod Assembly, Bottom	1	
4	4158940	Weight Transfer Switch	1	
5	4206260	Single Axis Joystick	3	
6	4205244	Green LED	3	
7	4212121	Yellow LED	1	
8	4162862	Screw-M3 x 8	13	
9	450418	Lockwasher-M3 x 6.1 x 0.9	12	
10	4212501	Spacer-Armrest Pod	1	

TRACTION PEDAL

Illustration Number: 4260250-2\_traction\_pedal

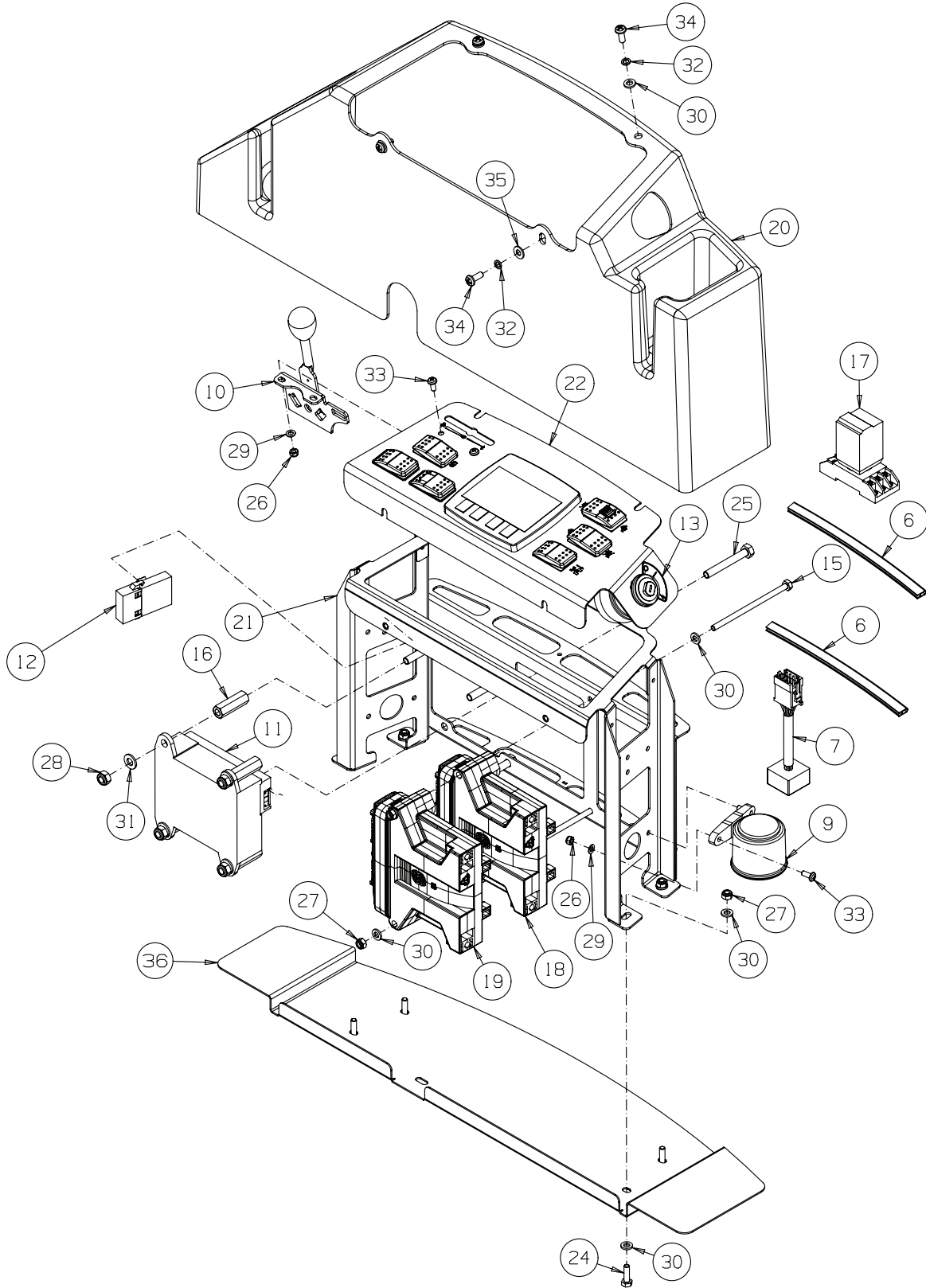


## TRACTION PEDAL

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001290379	Set Screw Hex Socket 1/4-20 X 1/4	2	Cup Point
2	002921109	Spring - Disc 16.3 X 31.5 X 0.8	2	
3	128079	1/4" Rod End	1	
4	4162211	Adjustable Foot Pedal Plate	1	
5	4168467	Anti - Slip - Foot Pedal Forward	1	
6	4168468	Anti - Slip - Foot Pedal Reverse	1	
7	4171600	Washer - Speed Governer Spacer	1	
8	4172560	Spring - Compression	1	11.13 X 1.42 X 31.75
9	4179841	Reverse Stop, Traction Pedal	1	
10	4185740	Pedal Pivot Bracket	2	
11	4200040	Detent Screw - M12	1	
12	4210380	Welded Assembly - Foot Pedal	1	
13	4213940	Traction Cable	1	
14	4241163	Bush - Flange 8.5 X 13 X 10.5, Nylon	4	
15	4241166	Handle - Taper, M8-1.25	2	
16	4242782	Welded Assembly - Platform	1	
17	4256394	Welded Assembly Speed Governor	1	
18	450001	Bolt - Hex M6-1.0 X 30	1	
19	450020053	Nut - Hex 5/16-24	2	
20	450020231	Nut - Hex 1/4-28, Thin	1	
21	450170	Screw - Hex M6-1.0 X 16	2	
22	450171	Screw - Hex M6-1.0 X 20	4	
23	450192	Screw - Hex M8-1.25 X 25	1	
24	450193	Screw - Hex M8-1.25 X 30	1	
25	450194	Screw - Hex M8-1.25 X 35	2	
26	450199	Screw - Hex M8-1.25 X 60	1	
27	450324	Nut - Hex M8-1.25	2	
28	450369	M8-1.25 Nutsert	1	
29	450377	Nut - Hex M6-1.0, Nyloc	8	
30	450378	Nut - Hex M8-1.25, Nyloc	1	
31	450389	Washer - M6 X 12.5 X 1.8	14	
32	450390	Washer - M8 X 17 X 1.8	6	
33	450711	Cap Screw - Hex Socket M6-1.0 X 16	1	
34	452000211	Washer - 1/4 X 9/16 X .056	5	
35	452119	E-clip 15 mm	1	
36	456011395	Screw - Hex 5/16-24 X 3.1/2	1	
37	W43067A	Collar Set	2	
38	450333	Nut - Hex M12-1.75, Thin	1	
39	450359	M8-1.25 Nutsert	2	

INSTRUMENT PANEL

Illustration Number: 4236469-2



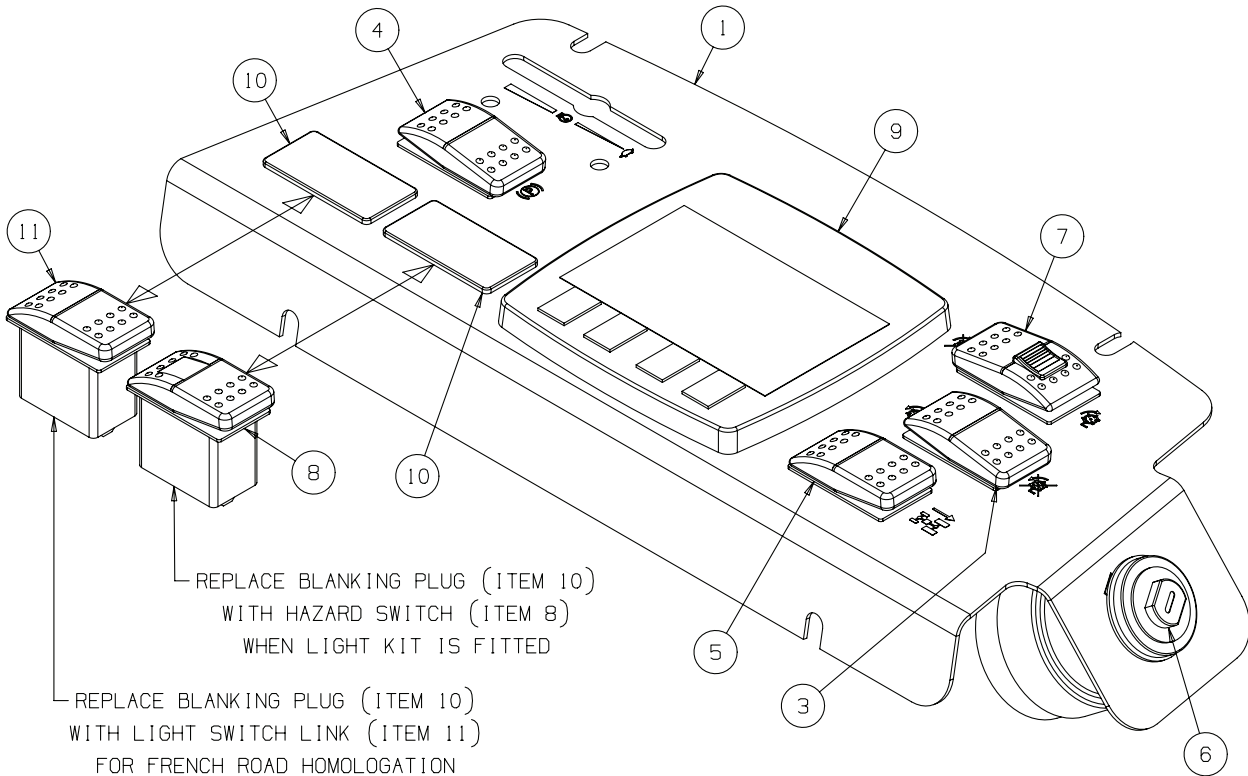


## INSTRUMENT PANEL

ITEM	PART NO.	DESCRIPTION	QTY.	
1	008233156	Fuse-5 Amp	4	
2	008233164	Fuse-10 Amp	7	
3	008233172	Fuse-15 Amp	2	
4	008233180	Fuse-20 Amp	1	
5	008233340	Fuse-7.5 Amp	1	
6	379050522	Beading	2	
7	4128338	Diode Module	3	
8	4139775	Fuse-2 Amp	1	
9	4142655	Horn	1	
10	4150737	Mow Speed Selector	1	
11	4157023	Relay/fuse Mounting Panel	1	
12	4162820	Fuse-40 Amp (Complete)	1	
13	4163243	Decal-keyswitch	1	
14	4175078	Relay	3	
15	4207620	Bolt-hex M6-1.0 X 110	2	
16	4211920	Spacer-hex M8-1.25 X 40	4	
17	4212123	Backlap Relay	1	
18	4264250	Plus+1 Controller	1	With Program A
19	4264251	Plus+1 Controller	1	With Program B
20	4234726	Instrument Cover	1	
21	4234728	Welded Assembly-instrument Cradle	1	
22	4234731	Panel Assembly Complete	1	
24	450171	Screw-hex M6-1.0 X 20	4	
25	450199	Screw-hex M8-1.25 X 6	4	
26	450376	Nut-hex M5-0.8, Nyloc	4	
27	450377	Nut-hex M6-1.0, Nyloc	6	
28	450378	Nut-hex M8-1.25, Nyloc	4	
29	450388	Washer-M5 X 10 X 1.1	4	
30	450389	Washer-M6 X 12.5 X 1.8	4	
31	450390	Washer-M8 X 17 X 1.8	4	
32	450410	Lockwasher-M6 X 9.6 X 1.5	4	
33	450526	Screw-pan Hd M5-0.8 X 12	4	
34	450541	Screw-pan Hd M6-1.0 X 16	4	
35	452000211	Washer-1/4 X 9/16 X 0.05	2	
36	4253610	Base-instrument Console	1	

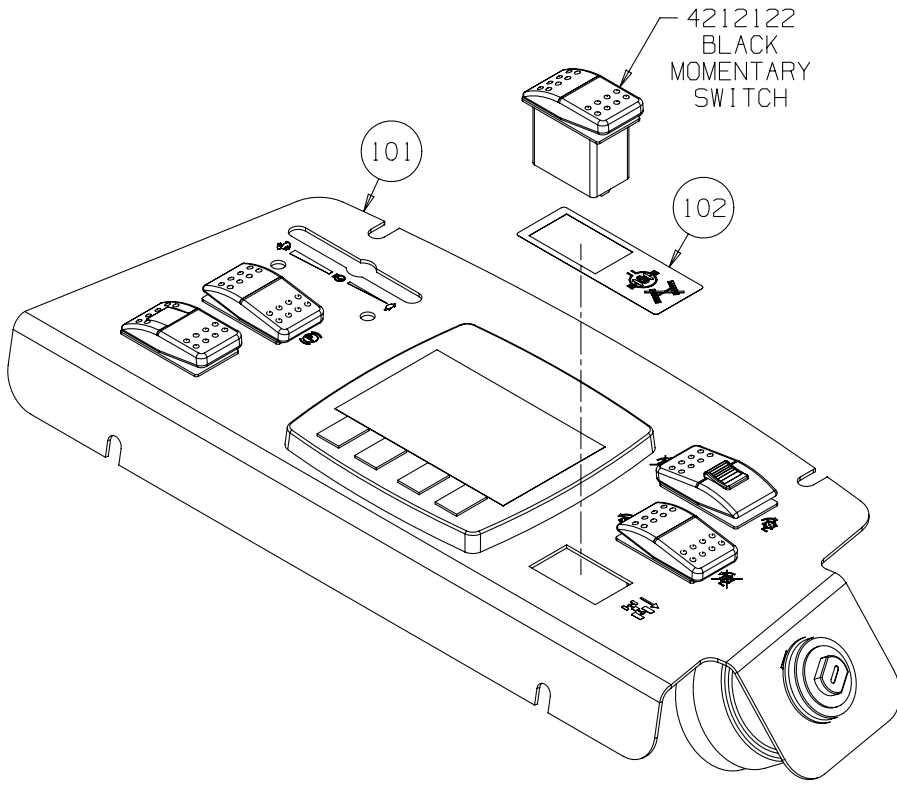
OPERATOR PANEL ASSEMBLY (COMPLETE)

Illustration Number: 4234731\_4240542.eps



REPLACE BLANKING PLUG (ITEM 10)  
WITH HAZARD SWITCH (ITEM 8)  
WHEN LIGHT KIT IS FITTED

REPLACE BLANKING PLUG (ITEM 10)  
WITH LIGHT SWITCH LINK (ITEM 11)  
FOR FRENCH ROAD HOMOLOGATION



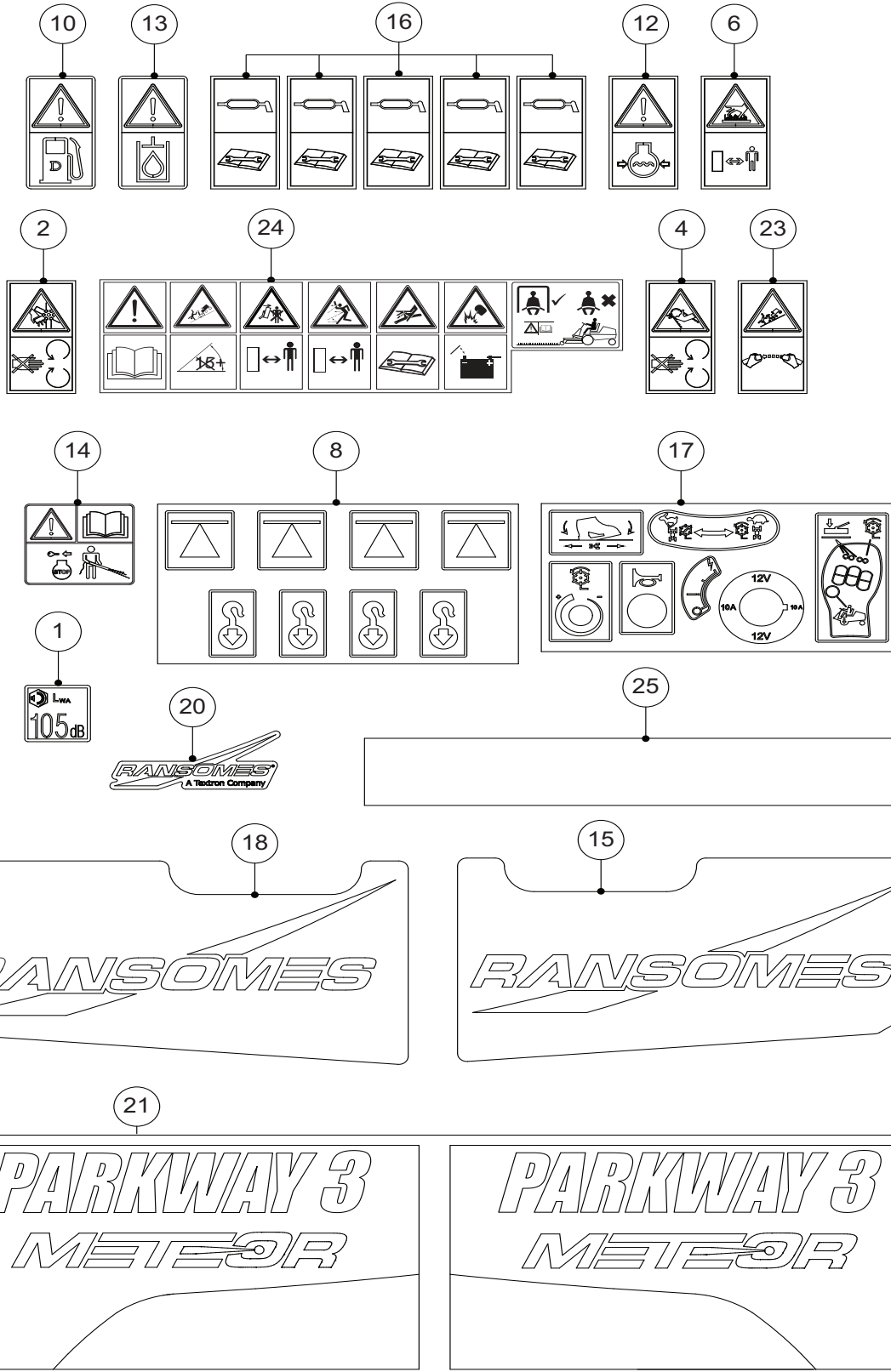
421212  
BLACK  
MOMENTARY  
SWITCH

## OPERATOR PANEL ASSEMBLY (COMPLETE)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4234730	Instrument Panel-Screen Printed	1	
2	4205246	Operator Panel Loom	2	
3	4159102	Mow/Reel Switch (Yellow)	1	
4	4205245	Park Brake Switch (Red)	1	
5	4212122	Switch-Momentary (Black)	1	
6	008289120	Ignition Switch	1	
*	4191900	• key	1	
7	4139764	Switch, Lockable	1	
8	4138892	Hazard Switch (Black)	1	Part of Lighting Kit
9	4198285	Graphical Display	1	
10	4135853	Mounting Panel Plug	2	
11	4250330	Light Switch Link	1	For French Homologation
101	4234731	Panel Assembly Complete	1	Not available as a Service Part
102	4240543	Decal-Difflock	1	for 2WD machine

DECALS - PARKWAY 3

Illustration Number: meteor\_power\_unit\_decals

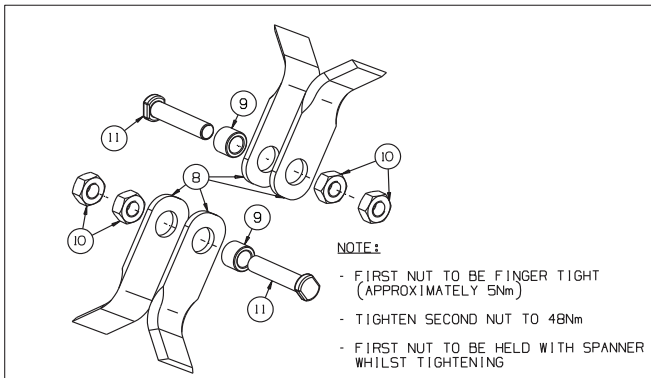
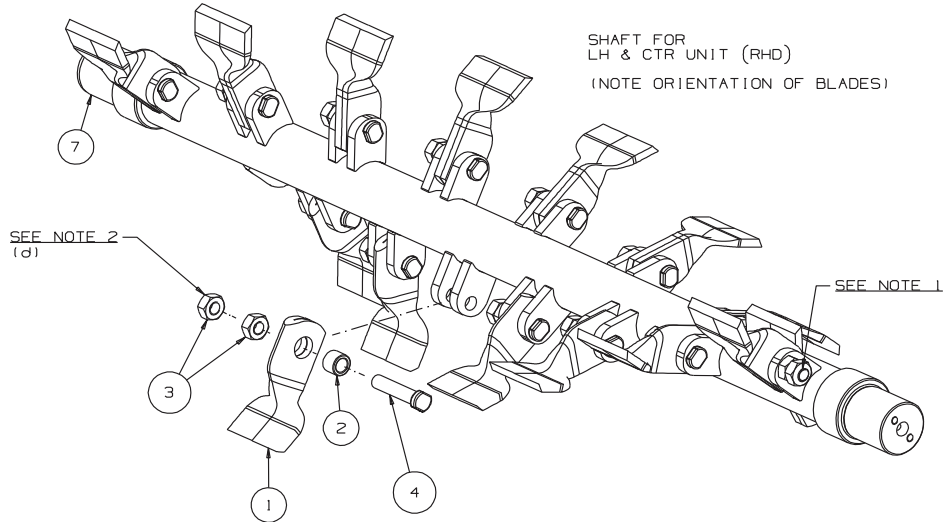


## DECALS - PARKWAY 3

ITEM	PART NO.	DESCRIPTION	QTY.	
1	009034770	Decal - Noise 105 db	1	
2	009034880	Decal - Fan	1	
4	009034900	Decal - Belt	1	
6	009034920	Decal - Hot	1	
8	009039870	Decal - Jacking & Hooking	1	
10	009114340	Decal - Diesel,hazard	1	
12	4118415	Decal - Coolant Hazard	1	
13	4164860	Decal - Hydraulic Fluid	1	
14	4153197	Decal - Jet Wash Warning	1	
15	4216560	Decal - Ransomes RH, Tank	1	
16	4164580	Decal - Lubrication Point	5	
17	4217021	Decal - Set-controls	1	
18	4216561	Decal - Ransomes LH, Tank	1	
20	4199980	Emblem - Ransomes (3 Colour)	1	
21	4290971	Decal - Parkway 3, Engine Hood	1	
23	009114380	Decal - Fasten Seat Belt	1	
24	4252558	Decal - Seat Plate	1	
25	4220280	Decal - White Infill (360 X 50)	1	

METEOR - FLAIL SHAFT ASSEMBLY

Illustration Number: 4276991\_e\_flail\_shaft



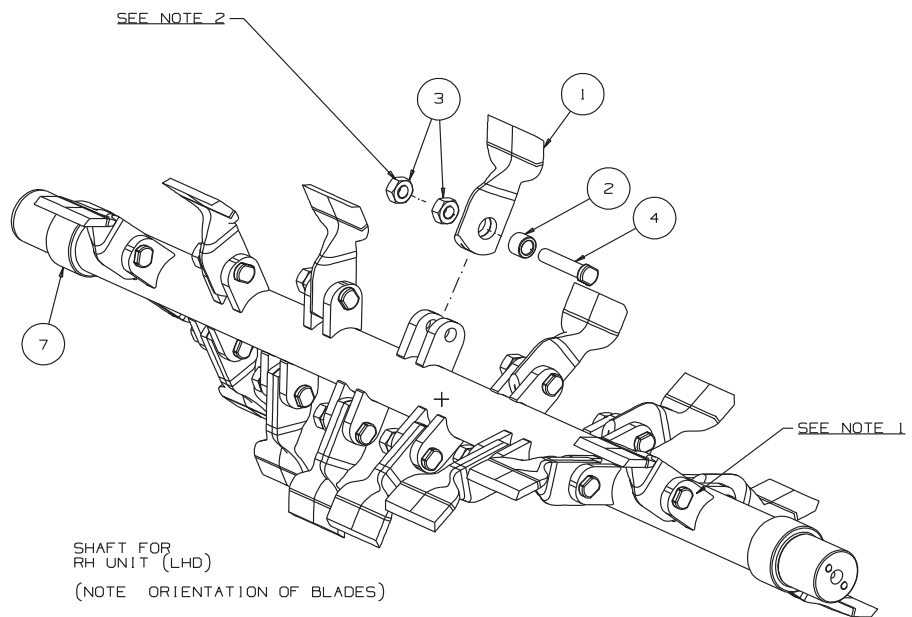
NOTE 1

ORIENTATION OF BOLTS, TO BE INSERTED IN DIRECTION OF DRIVE END COUPLING.

ORIENTATION OF LAST BOLT IN HELIX TO BE 180° TO ENABLE NUTS TO BE SECURED.

NOTE 2

FIRST NUT TO BE FINGER TIGHT (APPROXIMATELY 5Nm)  
TIGHTEN SECOND NUT TO 48Nm  
FIRST NUT TO BE HELD WITH SPANNER WHILST TIGHTENING



## METEOR - FLAIL SHAFT ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.	
	LMSE213	Flail Blade Kit	8	
1	N/A	• Flail Blade	2	
2	N/A	• Spacer - Shaft Flail	2	
3	N/A	• Nut	4	
4	N/A	• Bolt	2	
7	4301271	Welded Assembly Solid Flail Shaft	1	
	LMSE214	Y Flail Blade Kit	8	
8	N/A	• Y Flail	4	
9	N/A	• Spacer - Shaft Flail	2	
10	N/A	• Nut	4	
11	N/A	• Bolt	2	

METEOR - BEARING HOUSING (DRIVE SIDE)

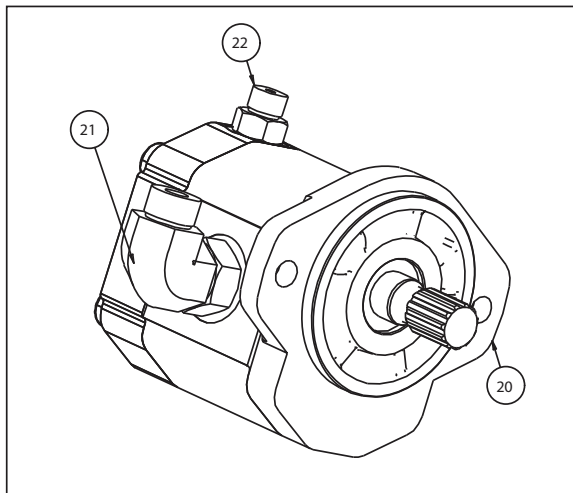
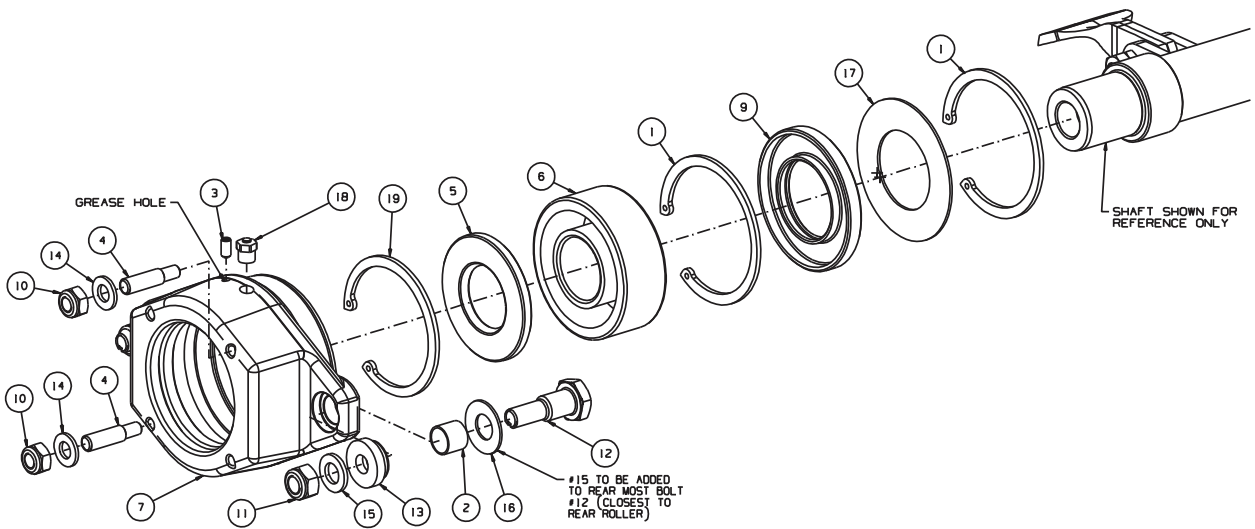
Illustration Number: 4281892g\_brg\_dr\_side

••GREASING INSTRUCTIONS••

- 1) SHELL GADUS - S2 V220 AD2, MUST BE USED.
- 2) INSERT M6 GREASE NIPPLE INTO GREASE HOLE.
- 3) LIPS OF SEALS #5, & #9 NEED TO BE LIGHTLY GREASED, FAILURE TO DO SO WILL RESULT IN PREMATURE WEAR ON THE SEALS.
- 3) 25g OF GREASE, TO BE INSERTED VIA GREASE NIPPLE. OVER FILLING OF GREASE CAN DECREASE BEARING LIFE.
- 4) REMOVE GREASE NIPPLE & INSERT #3 INTO GREASE HOLE.
- 5) LUBRICATE FEMALE SPLINE IN SHAFT WITH MOLYBDENUM DISULPHIDE PASTE (DRY MOLY PASTE).

••NOTE••

- 1) OBSERVE ORIENTATION OF SEALS, THIS IS IMPORTANT!
- 2) USE M11 TOOLS TO PRESS IN SEALS AND BEARING. DO NOT CRUSH SEALS. REPLACE IF DAMAGE OCCURS.
- 3) BEARING & BEARING BORE TO BE CLEANED WITH LOCTITE 7061 CLEANER OR AN EQUIVELANT.
- 4) ONCE CLEANED, ADD A SMALL BEAD OF BEARING LOCK : LOCTITE 641 OR AN EQUIVELANT TO THE LEADING EDGE OF THE BEARING AND INSIDE THE BEARING BORE - BELOW THE GREASE WAY.





## METEOR - BEARING HOUSING (DRIVE SIDE)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001700908	Circlip - Int 90 X 3 T	2	
2	002193245	Bush - Devol 16 X 18 X 15	2	
3	450961	SetScrew - Hex Socket M6 - 1.0 X 12	1	Cup Point
4	4289433	Meteor Motor Mount Stud	2	
5	4301275	Bearing Seal 80x40x10	1	
6	4281851	Bearing	1	
7	4303716	Meteor Bearing Housing	1	
9	4279596	Bearing Seal 90x50x10	1	
10	450379	Nut - Hex M10 - 1.5, Nyloc	2	
11	450380	Nut - Hex M12 - 1.75, Nyloc	2	
12	MBC8191B	Pivot Pin	2	
13	MBE0359	Collar	2	
14	450391	Washer - M10 X 21 X 2.2	2	
15	450392	Washer - M12 x 24 x 2.7	2	
16	002921222	Spring - Disc 16.3 X 34 X 1.5	1	
17	4301291	Internal Seal Shield	1	
18	4301553	Pressure Relief Fitting 1/8 NPT	1	
19	001700851	Circlip Internal 85 x 3	1	
20	4294811	Hydraulic Motor 14.6 cc	1	LH Drive
*	4179500	• Seal Kit	1	
20	4294812	Hydraulic Motor 14.6 cc	2	RH Drive
*	4179500	• Seal Kit	1	
21	4257271	90° M/M 13/16 ORS x 7/8 SAE	2	
*	158061-02	• O Ring (For 13/16 ORS)	1	
	002218104	• O Ring (For 7/8' SAE)	1	
22	158006-01	Fitting 11/16 ORS x 9/16 SAE	1	
*	158061-01	• O Ring (For 11/16 ORS)	1	
*	002218065	• O Ring (For 9/16 SAE)	1	

METEOR - BEARING HOUSING (NON-DRIVE SIDE)

Illustration Number: 4282519\_g\_nd\_bearing\_housing

**\*\*NOTE\*\***

- 1) OBSERVE ORIENTATION OF SEALS, THIS IS IMPORTANT!
- 2) USE MIW TOOLS TO PRESS IN SEALS AND BEARING. DO NOT CRUSH SEALS. REPALCE IF DAMAGE OCCURS.
- 3) BEARING & BEARING BORE TO BE CLEANED WITH (c) LOCTITE 7061 CLEANER OR EQUIVELANT.
- 4) ONCE CLEANED, ADD A SMALL BEAD OF BEARING LOCK (c)
  - LOCTITE 641 OR AN EQUIVELANT TO THE LEADING EDGE OF THE BEARING AND INSIDE THE BEARING BORE
  - BELOW THE GREASE WAY.

SHAFT SHOWN FOR REFERENCE ONLY

#21 TO BE ADDED TO REAR MOST BOLT  
#18 (CLOSEST TO REAR ROLLER)

**\*\*GREASING INSTRUCTIONS\*\***

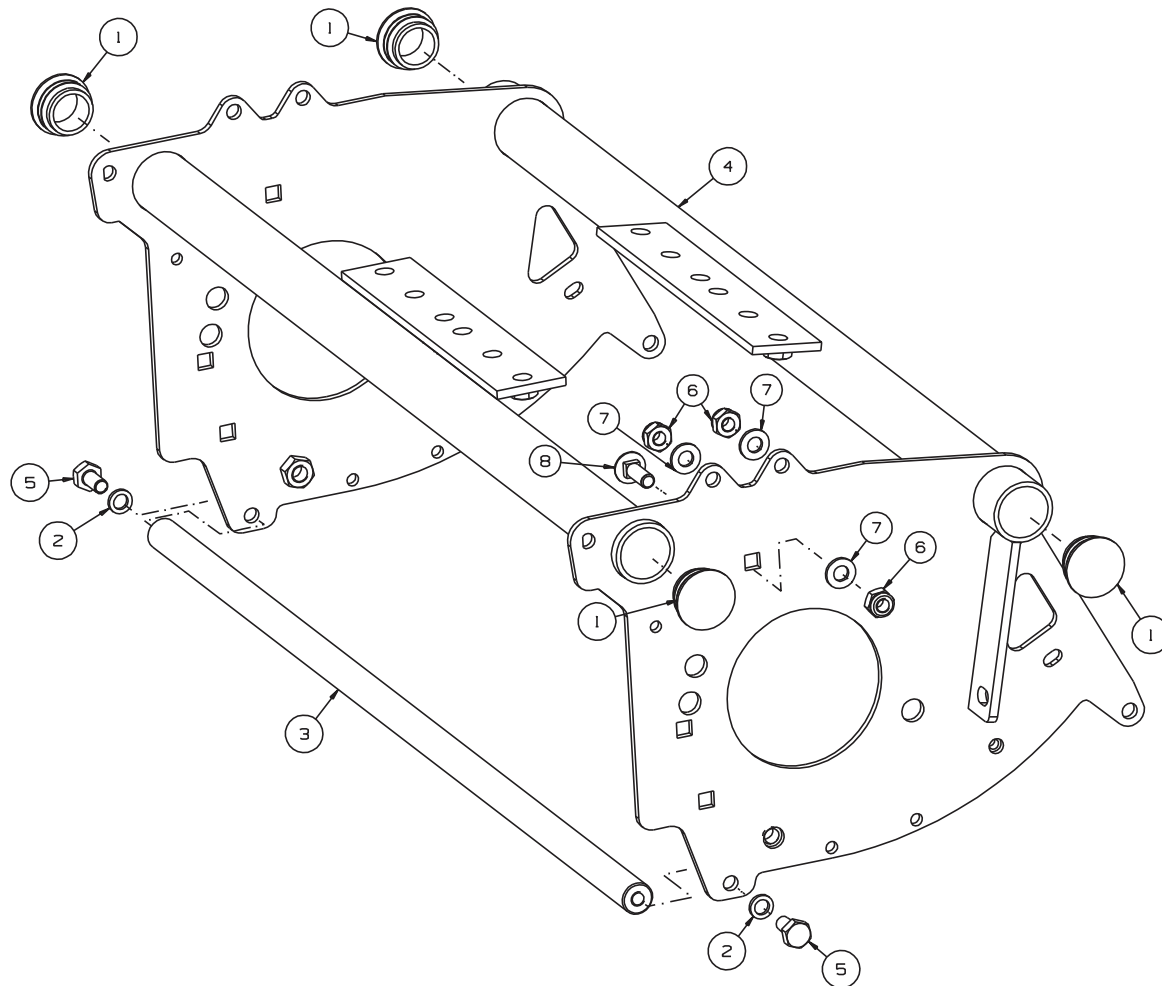
- 1) SHELL GADUS - S2 V220 AD2, MUST BE USED.
- 2) INSERT M6 GREASE NIPPLE INTO GREASE HOLE.
- 3) LIPS OF SEALS #4, & #10 NEED TO BE LIGHTLY GREASED, FAILURE TO DO SO WILL RESULT IN PREMATURE WEAR ON THE SEALS.
- 4) 25g OF GREASE, TO BE INSERTED VIA GREASE NIPPLE. OVER FILLING OF GREASE CAN DECREASE BEARING LIFE.
- 5) REMOVE GREASE NIPPLE & INSERT #3 INTO GREASE HOLE.

## METEOR - BEARING HOUSING (NON-DRIVE SIDE)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001700908	Circlip - Internal 90 X 3 T	2	Cup Point
2	002193245	Bush - Devol 16 X 18 X 15	2	
3	450961	Set Screw - Hex Socket M6-1.0 X 12	1	
4	4279596	Bearing Seal 90 X 50 X 10	1	
5	4281851	Bearing	1	
6	4303716	Meteor Bearing Housing	1	
7	4301292	Bearing Locking Ring	1	
8	4307995	Non Drive End Gasket	1	
10	4284151	Bearing Seal 80 X 50 X 8	1	
11	450171	Screw - Hex M6-1.0 X 20	2	
12	450190	Screw - Hex M8-1.25 X 16	2	
13	450380	Nut - Hex M12-1.75, Nyloc	2	
15	450390	Washer - M8 X 17 X 1.8	2	
16	450410	Lock washer - M6 X 9.6 X 1.5	2	
17	450411	Lock washer - M8 X 12.75 X 2	2	
18	MBC8191B	Pivot Pin	2	
19	MBE0359	Collar	2	
20	450392	Washer - M12 X 24 X 2.7	2	
21	002921222	Spring - Disc 16.3 X 34 X 1.5	1	
22	4301291	Internal Seal Shield	1	
23	4301553	Pressure Relief - Fitting-1/8 NPT	1	
24	001700851	Circlip - Internal 85 X 3 T	1	
25	4307996	Non Drive Cover Plate	1	

METEOR - MAINFRAME

Illustration Number: 4282191\_c\_mian\_frame



(a) (b) ••NOTE••

G.D.T RELATES TO LARGE  
CENTER HOLE IN FRAME.

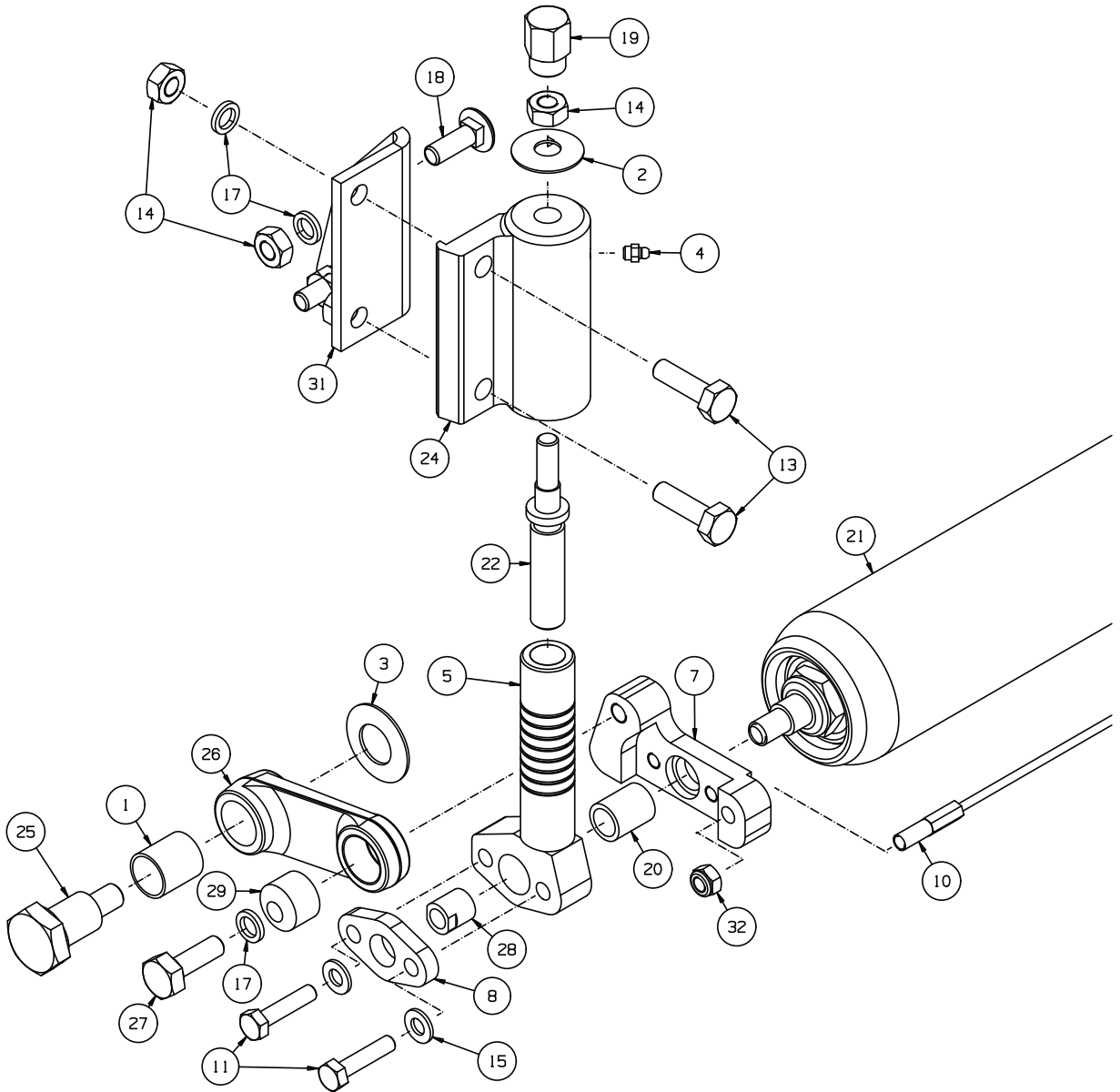
ITEMS #6 & #7 TO BE USED  
ON EITHER THE LEFT OR  
RIGHT SIDE WITH 4244930,  
4244931 AND 4300733

## METEOR - MAINFRAME

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002952748	End Plug	4	
2	4245590	Av Washer - 10.7 X 16.6 X 2.5	2	
3	4270430	Brace - Flail Rear	1	
4	4301113	Welded Assembly - Frame, Meteor Flail	1	
5	450213	Screw - Hex M10-1.5 X 20	2	
6	450379	Nut - Hex M10 - 1.5 Nyloc	3	
7	450391	Washer - M10 x 21 x 2.2	3	
8	452586	Bolt - Carriage M10 - 1.5 x 30	1	

METEOR - REAR ROLL ADJUSTER (SPANNER)

Illustration Number: 4282971-2\_b\_rear\_roll\_adj

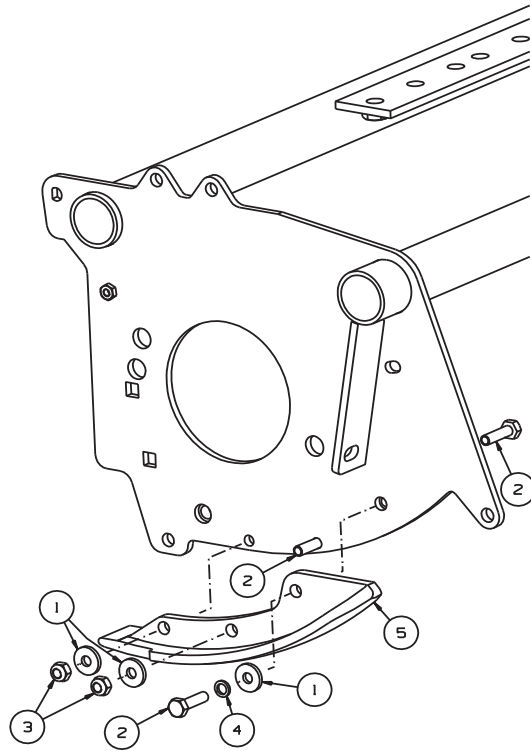


## METEOR - REAR ROLL ADJUSTER (SPANNER)

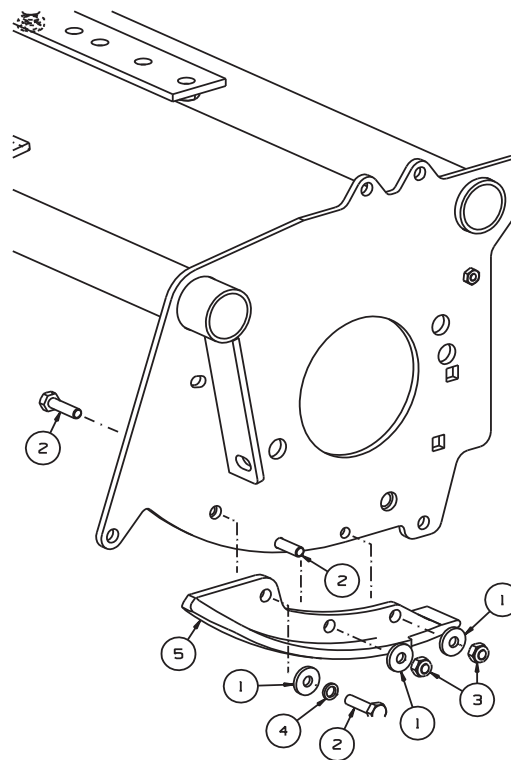
ITEM	PART NO.	DESCRIPTION	QTY.	
1	002193237	Bush - Nylon 23 X 20 X 25	2	
2	002921214	Spring - Disc 12.3 X 34 X 1.25	2	
3	002921345	Spring - Disc 20.4 X 40 X 1.5	2	
4	002993013	Lubricator - M6 Straight	2	
5	4119718	Skid Mounting Assembly	2	
6	4119719	Support Plate RH	1	
7	4119720	Support Plate LH	1	
8	4119721	Outer Plate	2	
9	4282171	Welded Assembly - Frame, Meteor Flai	1	
10	009067120	Scraper Wire	1	
11	450015	Bolt - Hex M8 - 1.25 X 35	4	
13	450216	Screw - Hex M10 - 1.5 X 35	4	
14	450325	Nut - Hex M10 - 1.5	10	
15	450390	Washer - M8 X 17 X 1.8	6	
17	450412	Lock washer - M10 X 15.9 X 2.5	10	
18	452586	Bolt - Carriage M10 - 1.5 X 30	4	
19	469023724	Adjuster	2	
20	649004633	Bush	2	
21	LMAC074A	Roller - 76 X 784 Plain	1	
22	MBB2579A	Screw	2	
23	MBB6817	Outer Sleeve LH	1	
24	MBB6818	Outer Sleeve LH	1	
25	MBC8156A	Pin	2	
26	MBC9333C	Lever	2	
27	MBF1421	Clamp Bolt - Eccentric	2	
28	MBF1693	Rear Roll Sleeve	2	
29	MBG2168A	Eccentric Bush	2	
30*	MBG3969A	Bracket - Rear Roll LH	1	
31	MBG3970A	Bracket - Rear Roll RH	1	
32	450378	Nut - Hex M8 - 1.25	2	

METEOR - SKID MOUNTING

Illustration Number: 4282874\_skid\_mounting



Right Hand Side



Left Hand Side

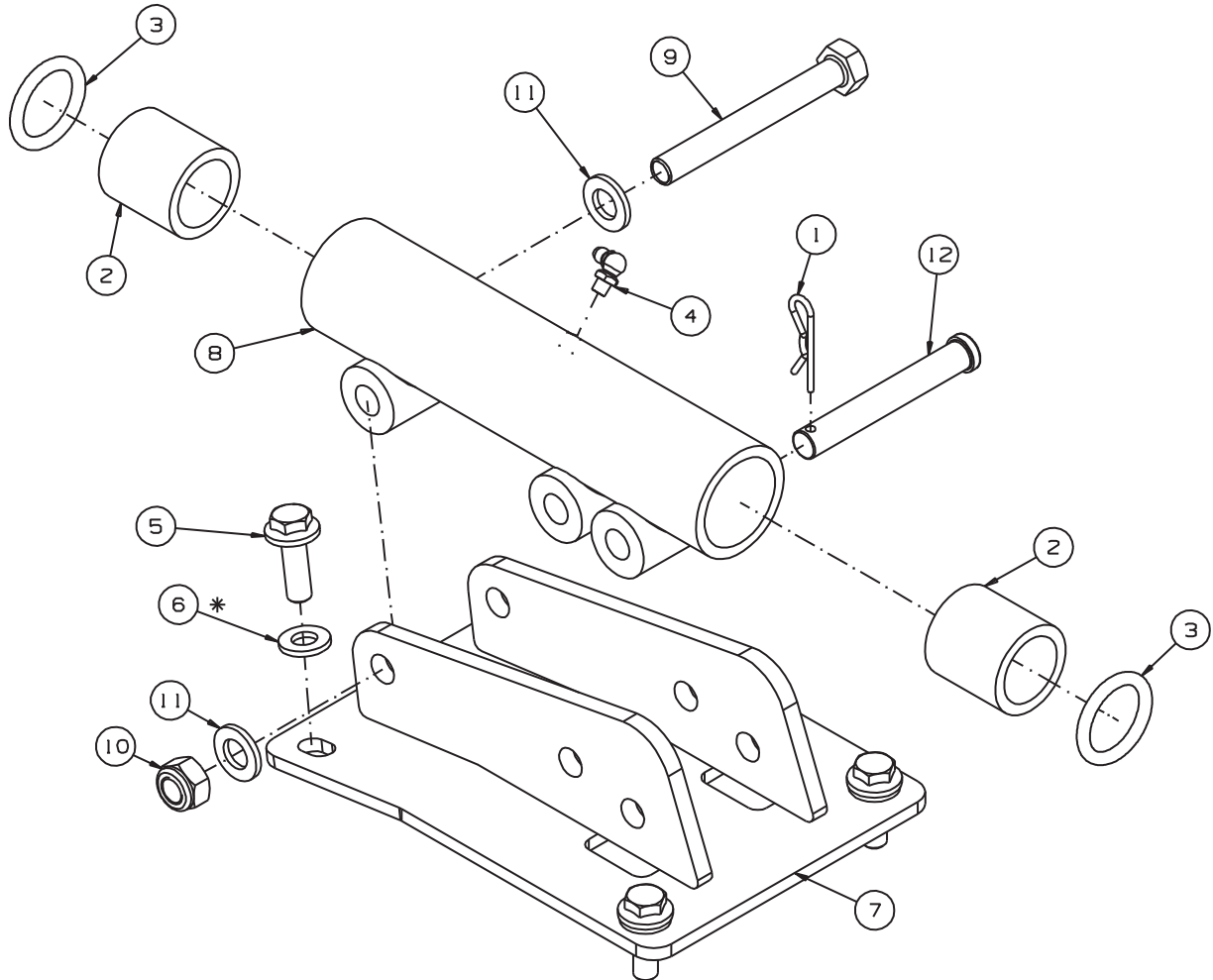


## METEOR - SKID MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	009072070	Washer - M8 x 22 x 3	6	
2	450014	Bolt - Hex M8 x 30	6	
3	450378	Nut - Hex M8 Nyloc	4	
4	450411	Lockwasher M8	2	
5	MBC8985	Skid	2	

METEOR - FIXED HEAD MOUNTING

Illustration Number: 4297051-2 pivot housing



\* NOTE

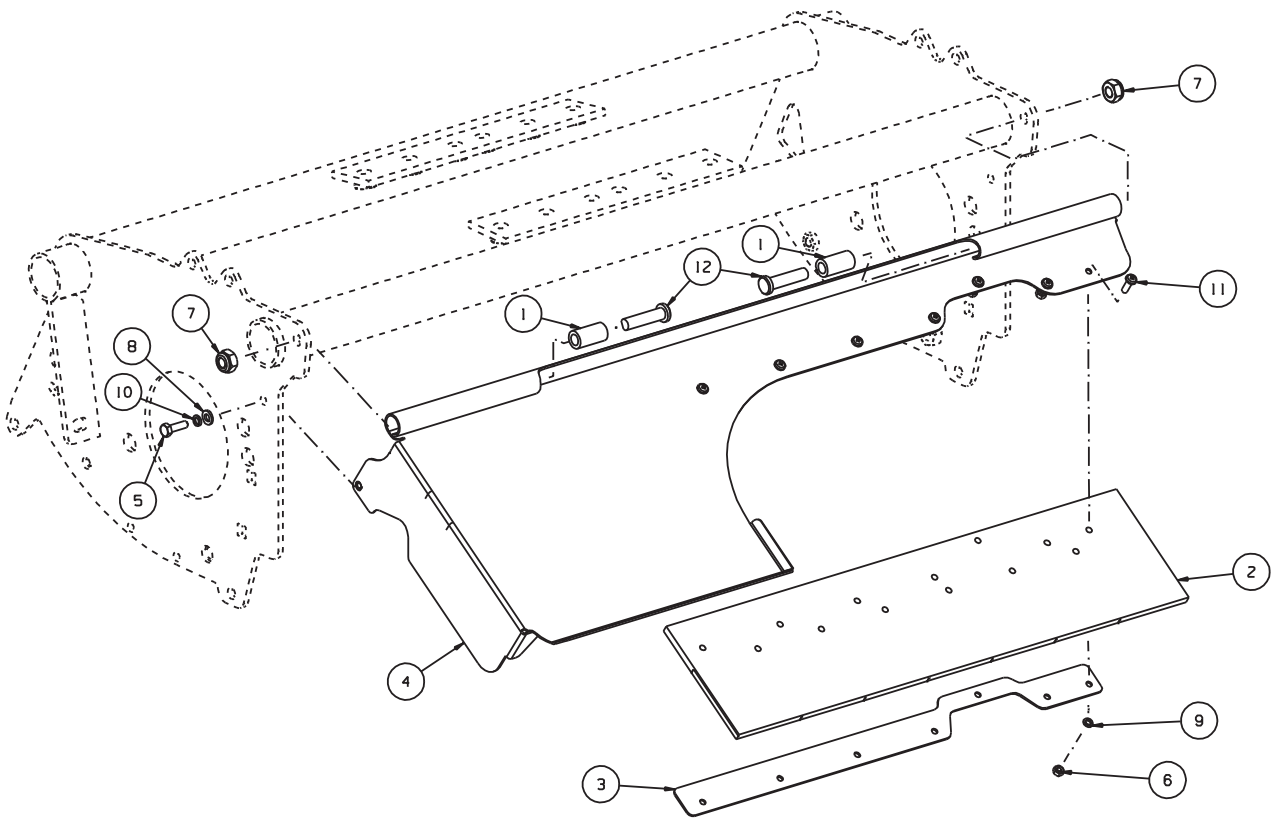
THE AV WASHERS (ITEM 6) ARE SUPPLIED PRE-ASSEMBLED IN PAIRS. THEY MUST BE FITTED TO THE CUTTING UNIT IN THEIR PRE-ASSEMBLED CONFIGURATION SO THAT THE CAM FACES ARE ENGAGED. THE RADIAL TEETH ON THE UPPER AND LOWER SURFACES ARE ASSEMBLED AGAINST THE FACE OF THE MOUNTING BRACKET (ITEM 7) AND THE UNDERSIDE OF THE FIXING SCREW FLANGE (ITEM 5).

## METEOR - FIXED HEAD MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001490226	R <sup>1</sup> - Clip	1	
2	002193318	Bush - Nylon 40 X 30 X 40	2	
3	002213219	O - Ring 30 X 40 X 5.34	2	
4	002993160	Lubricator - M6 X 90°	1	
5	4224900	Screw - M10 X 30, Hex Flange	4	
6	4224901	Av Washer - 10.7 X 21 X 2.5	4	
7	4297052	Welded Assembly Pivot Bracket	1	
8	4299591	Bearing, Pivot	1	
9	450059	Bolt - Hex M12-1.75 X 100	1	
10	450380	Nut - Hex M12-1.75, Nyloc	1	
11	450392	Washer - M12 X 24 X 2.7	2	
12	64188-40	Linch Pin	1	

METEOR - DEFLECTOR LH

Illustration Number: 4282775\_a\_rear\_deflector\_lh

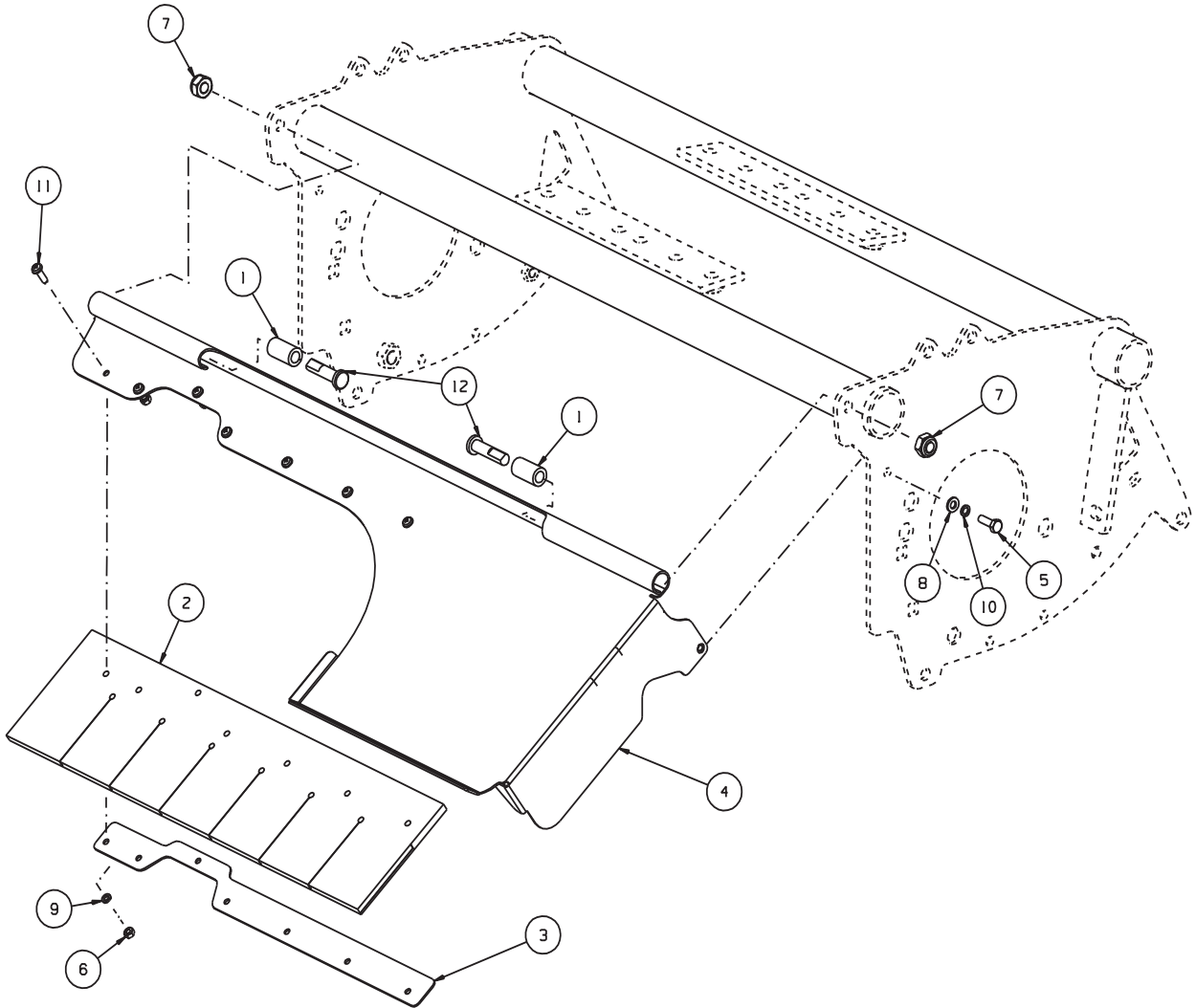


## METEOR - DEFLECTOR LH

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002983832	Spacer	2	
2	4269371	Deflector, Flap - Rear Flail	1	
3	4269372	Deflector - Strip Rear Flail	1	
4	4301194	Meteor Rear Deflector LH	1	
5	450171	Screw - Hex M6 - 1.0 X 20	1	
6	450322	Nut - Hex M5 - 0.8	7	
7	450379	Nut - Hex M10 - 1.5, Nyloc	2	
8	450389	Washer - M6 X 12.5 X 1.8	1	
9	450409	Lock Washer - M5 X 8.55 X 1.5	7	
10	450410	Lock Washer - M6 X 9.6 X 1.5	1	
11	450528	Screw - Pan Hd M5 - 0.8 X 16	7	
12	MBC8956A	Bolt	2	

METEOR - DEFLECTOR RH

Illustration Number: 4282871\_a\_rear\_deflector\_rh

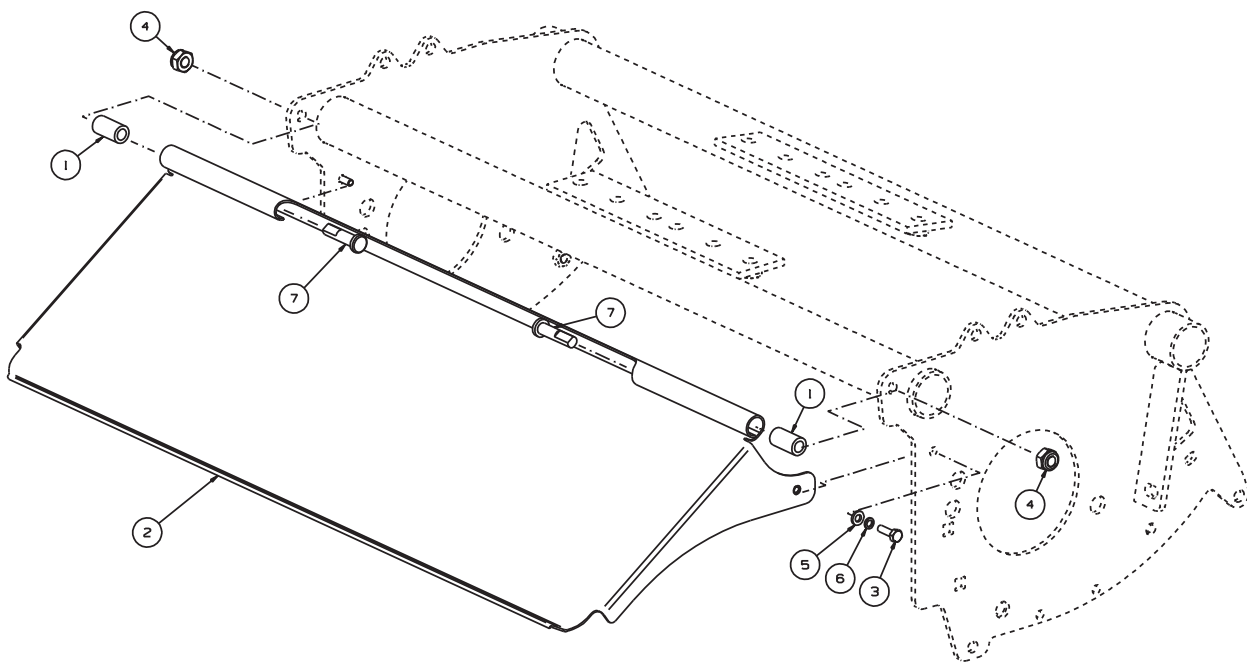


## METEOR - DEFLECTOR RH

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002983832	Spacer	2	
2	4269371	Deflector, Flap - Rear Flail	1	
3	4269372	Deflector - Strip Rear Flail	1	
4	4301196	Meteor Rear Deflector RH	1	
5	450171	Screw - Hex M6 - 1.0 X 20	1	
6	450322	Nut - Hex M5-0.8	7	
7	450379	Nut - Hex M10-1.5, Nyloc	2	
8	450389	Washer - M6 X 12.5 X 1.8	1	
9	450409	Lock Washer - M5 X 8.55 X 1.5	7	
10	450410	Lock Washer - M6 X 9.6 X 1.5	1	
11	450528	Screw - Pan Hd M5-0.8 X 16	7	
12	MBC8956A	Bolt	2	

METEOR - CENTRE DEFLECTOR

Illustration Number: 4282752\_a\_rear\_deflector\_ctr



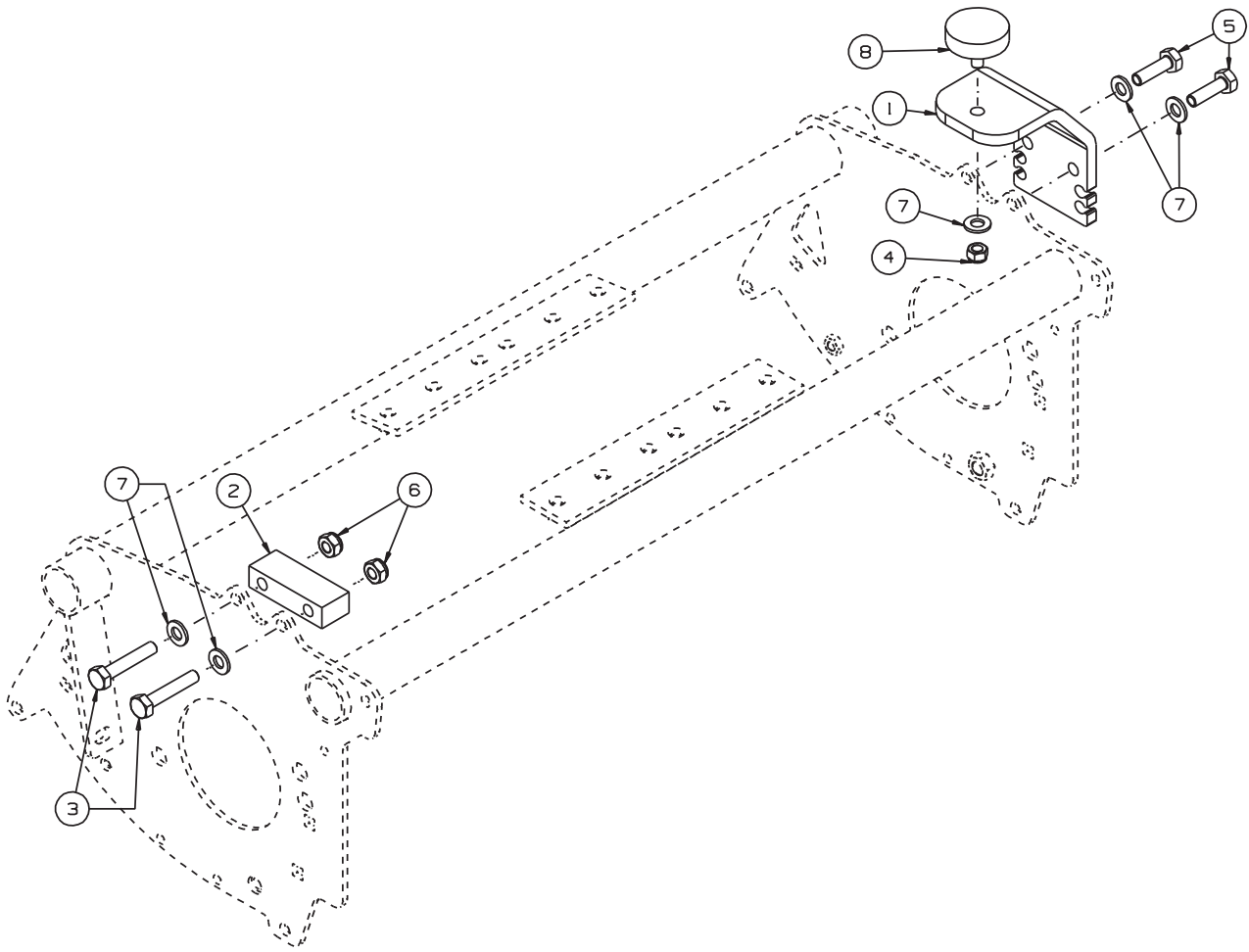


## METEOR - CENTRE DEFLECTOR

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002983832	Spacer	2	
2	4301195	Meteor - Rear Deflector Centre	1	
3	450171	Screw - Hex M6-1.0 X 20	2	
4	450379	Nut - Hex M10-1.5, Nyloc	2	
5	450389	Washer - M6 X 12.5 X 1.8	2	
6	450410	Lockwasher - M6 X 9.6 X 1.5	2	
7	MBC8956A	Bolt	2	

METEOR - CENTRE UNIT STOPS

Illustration Number: 4300733\_centre\_unit\_stops

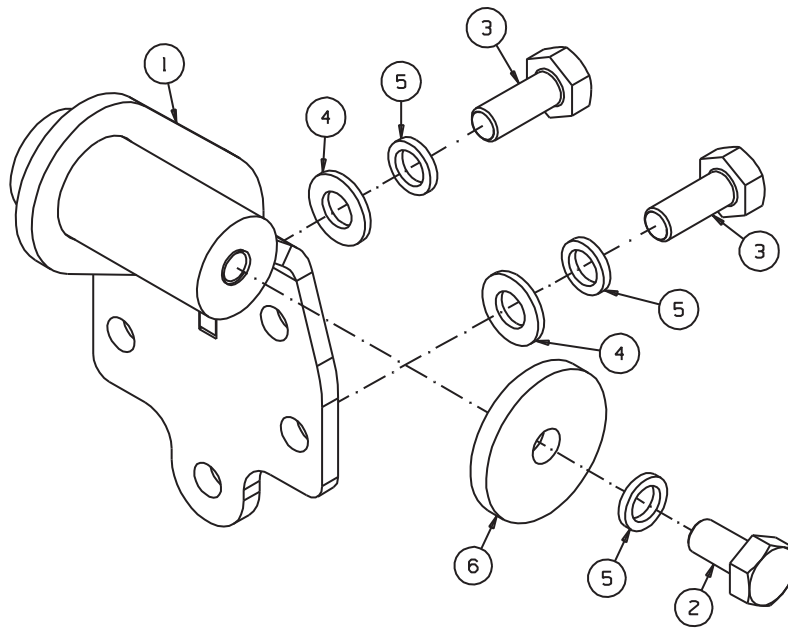


## METEOR - CENTRE UNIT STOPS

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4136387	Buffer Bracket	1	
2	4300734	Bump Stop, Centre Unit, Meteor	1	
3	450033	Bolt - Hex M10-1.5 X 55	2	
4	450120398	Nut - Hex 3/8-16, Nyloc Thin	1	
5	450216	Screw - Hex M10-1.5 X 35	2	
6	450379	Nut - Hex M10-1.5, Nyloc	2	
7	450391	Washer - M10 X 21 X 2.2	5	
8	J361723	Bumper Stop	1	

METEOR - LH CUTTING UNIT PIN

Illustration Number: 4244930\_b\_magna\_pin\_lh

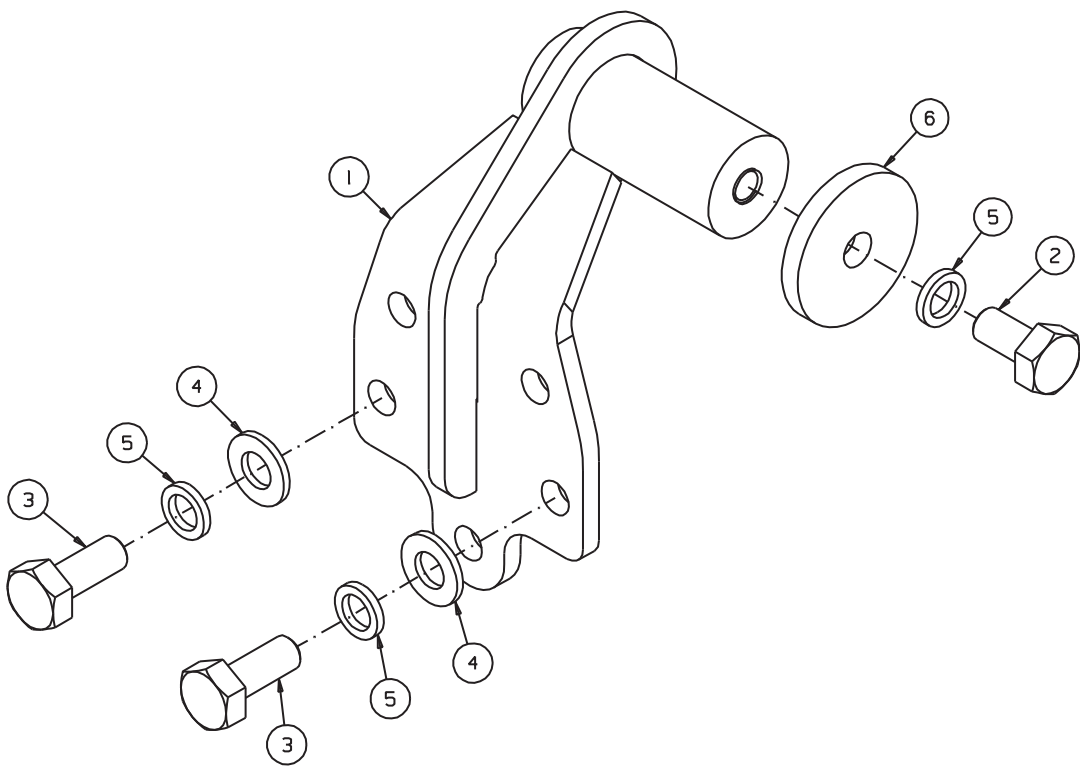


## METEOR - LH CUTTING UNIT PIN

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4244932	Welded Assembly - Cutting Unit Pin, LH	1	
2	450213	Screw - Hex M10 X 20	1	
3	450214	Screw - Hex M10 X 25	2	
4	450391	Washer - M10 X 21 X 2.2	2	
5	450412	Lockwasher - M10 X 15.9 X 2.5	3	
6	MBE0115	Washer	1	

METEOR - RH CUTTING UNIT PIN

Illustration Number: 4244931\_b\_magna\_pin\_rh

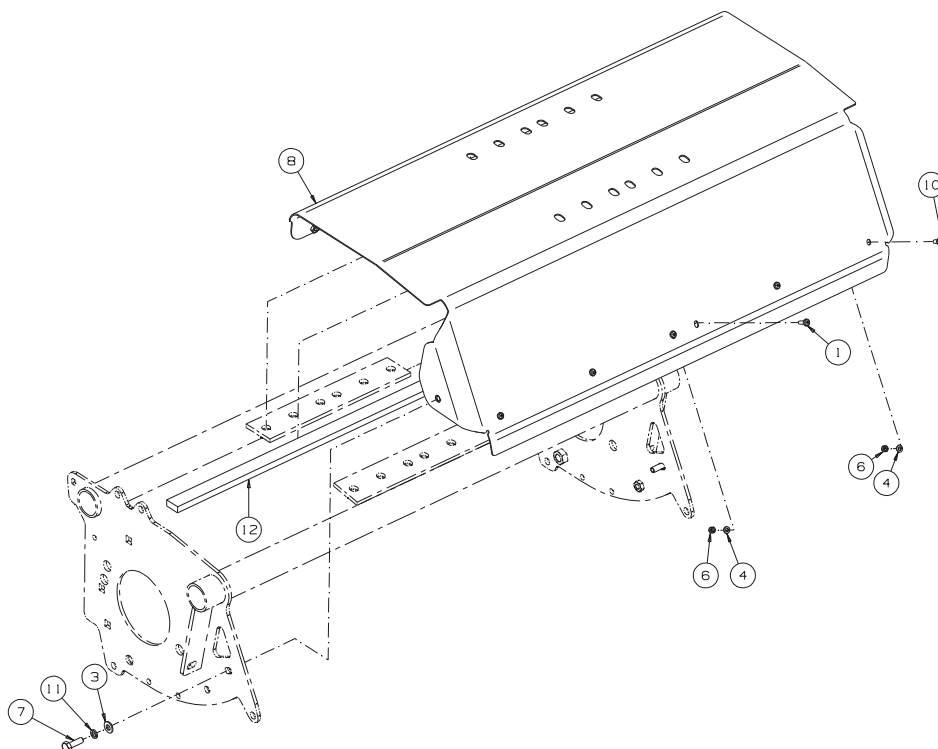


## METEOR - RH CUTTING UNIT PIN

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4244933	Welded Assembly - Cutting Unit Pin, RH	1	
2	450213	Screw - Hex M10 X 20	1	
3	450214	Screw - Hex M10 X 25	2	
4	450391	Washer - M10 X 21 X 2.2	2	
5	450412	Lockwasher - M10 X 15.9 X 2.5	3	
6	MBE0115	Washer	1	

METEOR - FRONT GUARD

Illustration Number: 4282762\_re\_front\_guard

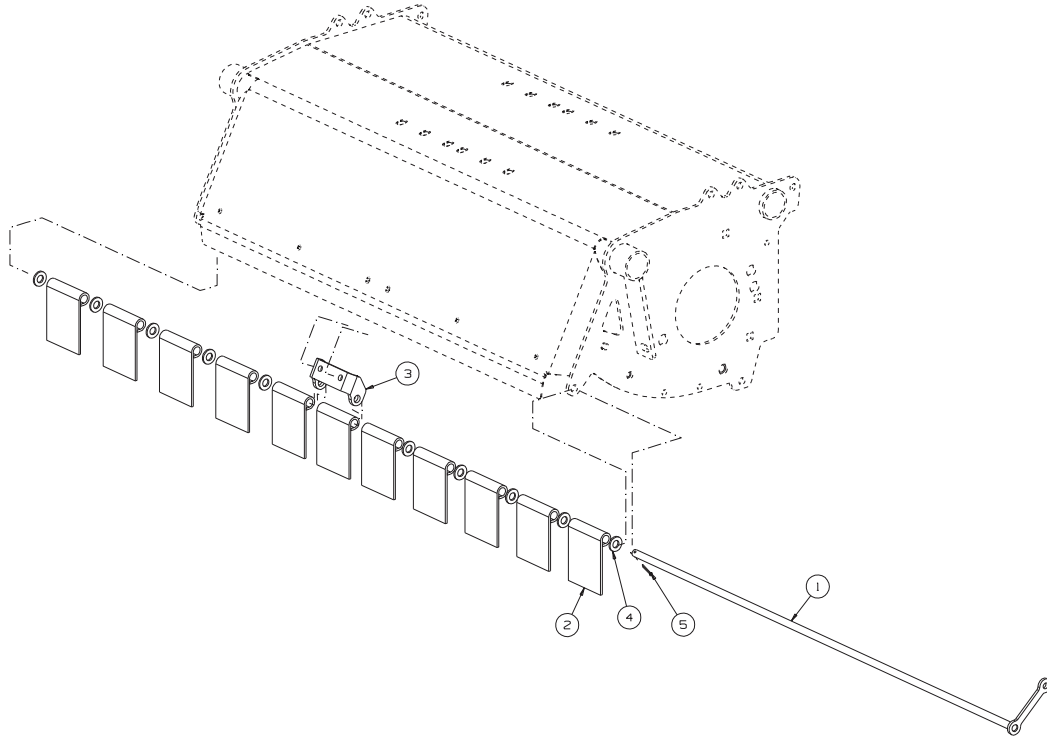


ITEM	PART NO	DESCRIPTION	QTY	REMARKS
1	450528	Screw - Pan Head M5-0.8 x 16	2	
3	450390	Washer M8 x 17 x 1.8	2	
4	450388	Washer M5 x 10 x 1.1	6	
6	450376	Nut Hex M5-0.8	6	
7	450192	Screw Hex M8-1.25 x 25	2	
8	4301115	Front Guard	1	
10	450526	Screw - Pan Head M5-0.8 x 12	4	
11	450411	Lock Washer M8 x 12.75 x 2	2	
12	4132019	Strip, Rubber	1	



## METEOR - FRONT FLAP

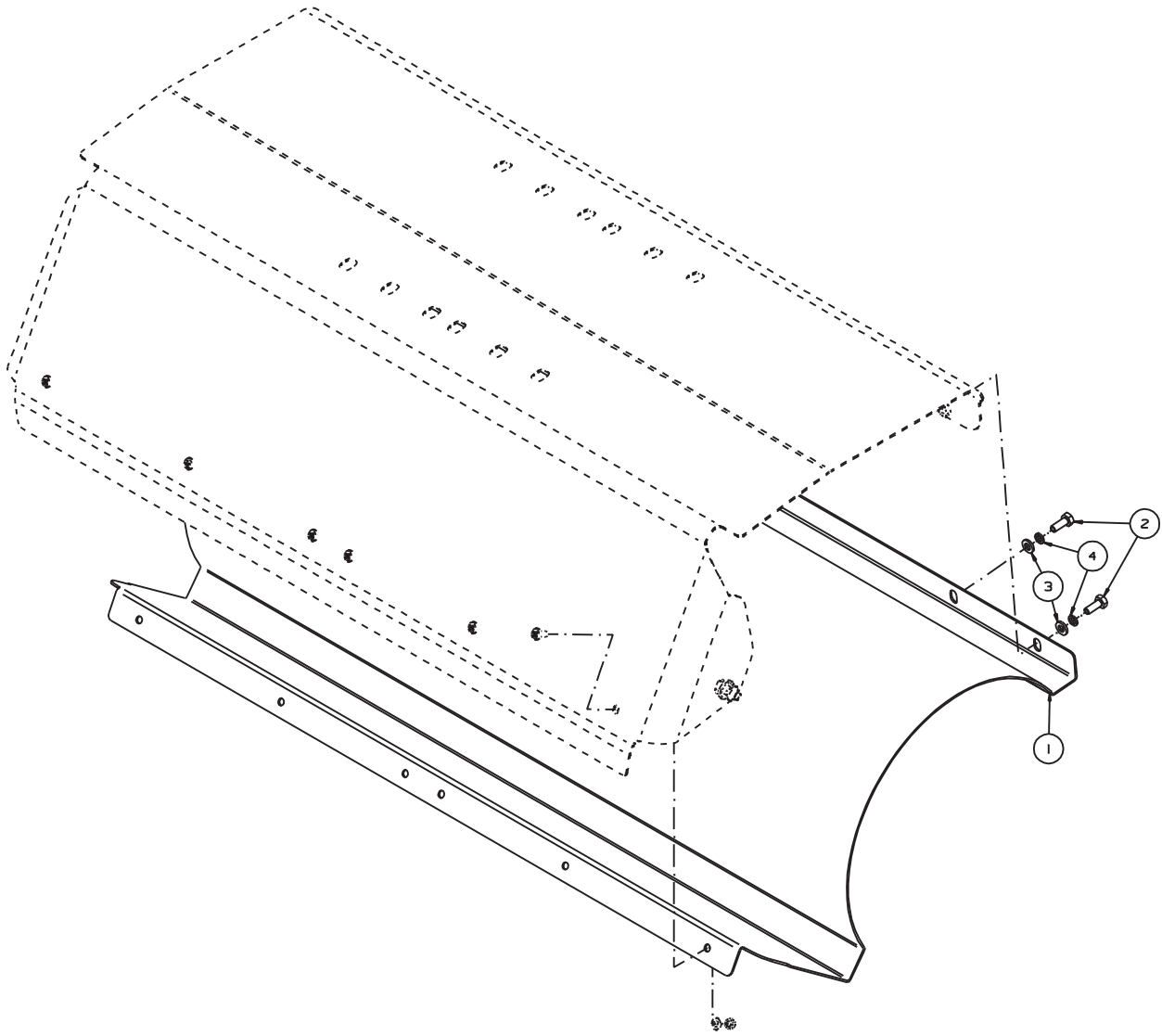
Illustration Number: 4297993.RA front steel flap



ITEM	PART NO	DESCRIPTION	QTY	REMARKS
1	4304739	Front Flap Pin	1	
2	4304357	Rolled Steel Flap	11	
3	4299594	Front Flap Bar Support	1	
4	450391	Washer M10 x 21 x 2.2	10	
5	451225	Split Pin 2.5 x 20	1	

METEOR - CONCAVE INSERT

Illustration Number: 4282873\_a\_concave\_insert



NOTE

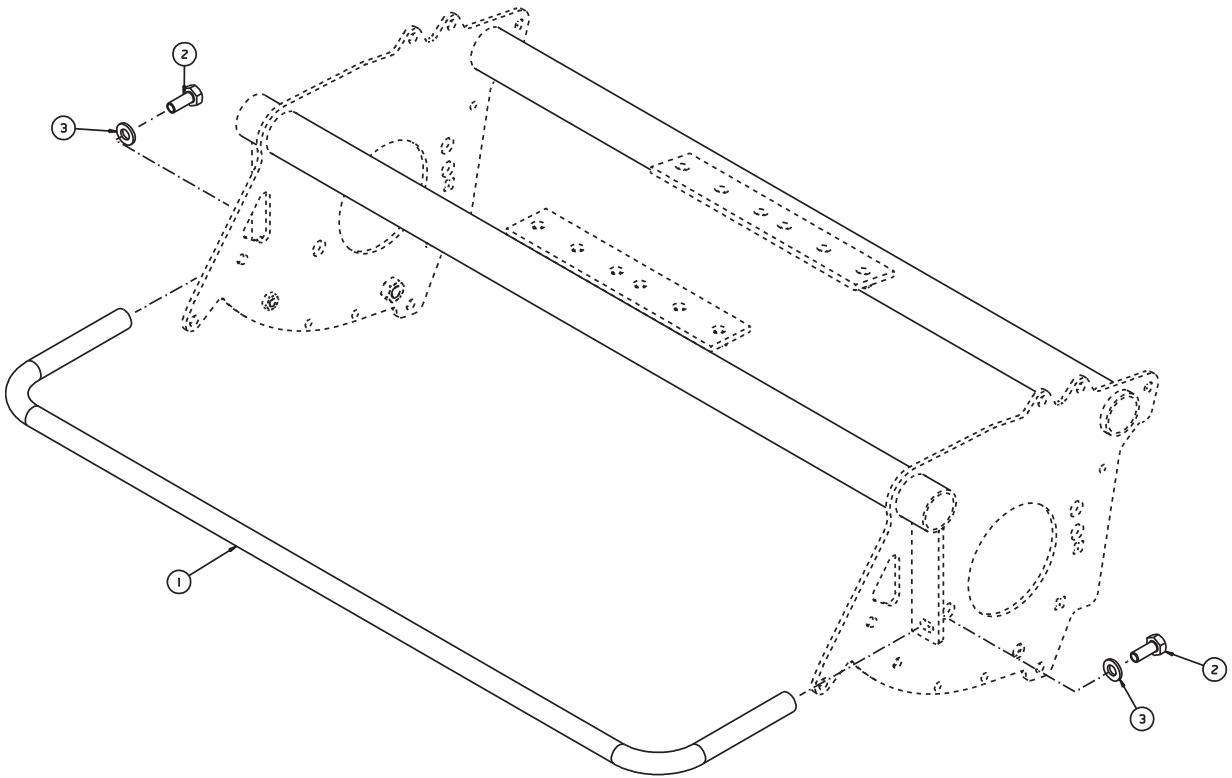
FASTENERS TO BE USED TO SECURE METEOR CONCAVE TO FRONT GUARD CAN BE FOUND IN THE FRONT GUARD GROUP 4282762

## METEOR - CONCAVE INSERT

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4301117	Meteor Concave Insert	1	
2	450170	Screw - Hex M6 - 1.0 x16	4	
3	450398	Washer - M6 x 12.5 x 1.8	4	
4	450410	Lockwasher - M6 x 9.6 x 1.5	4	

METEOR - FRONT BUMPER BAR

Illustration Number: 4267350\_c\_front\_bumper

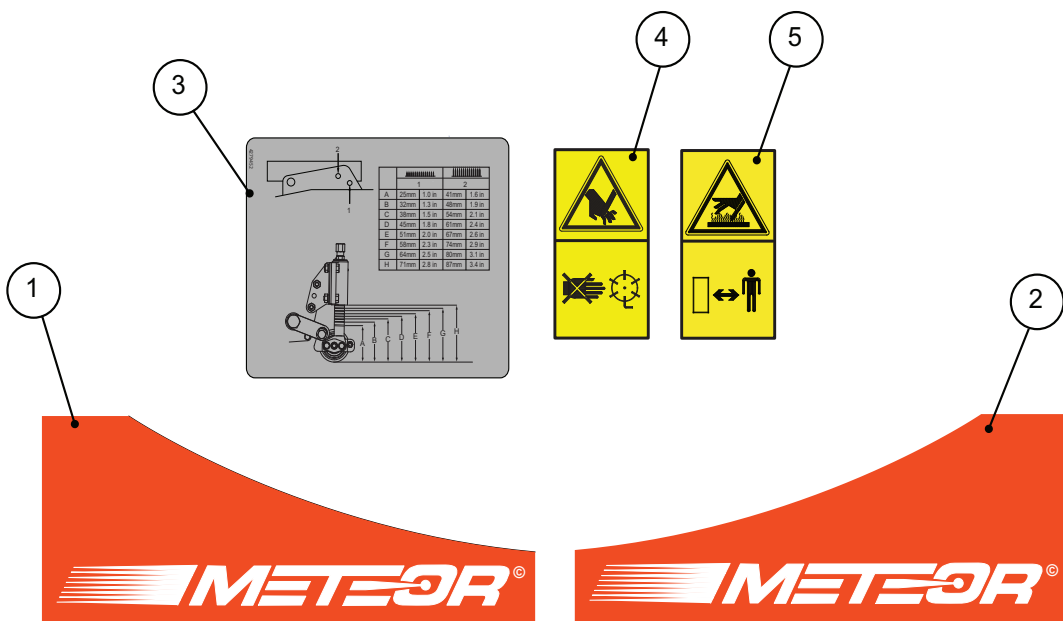
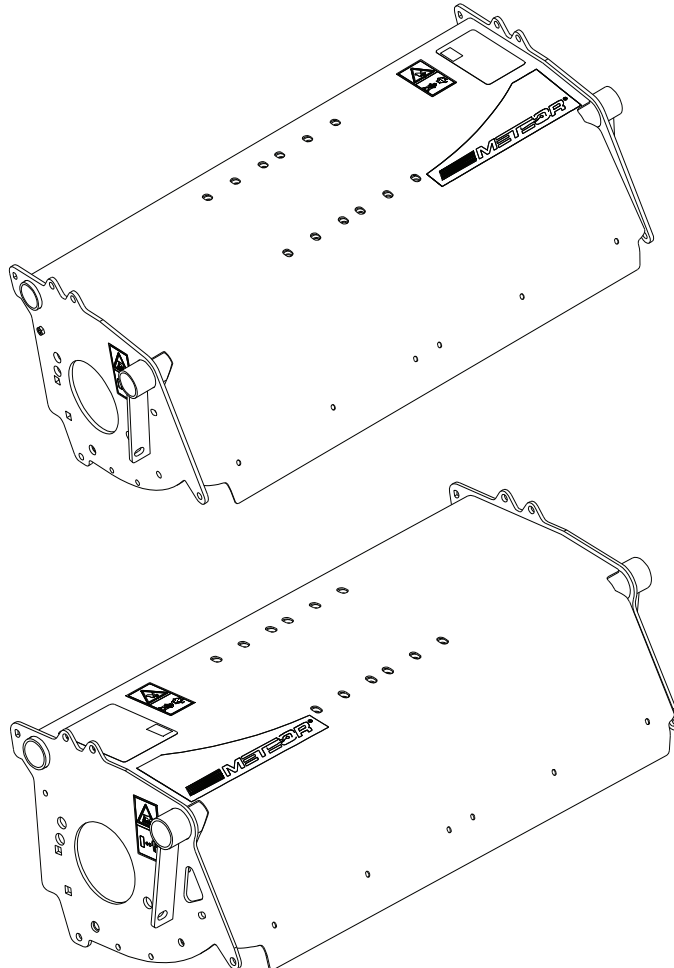


## METEOR - FRONT BUMPER BAR

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4265836	Guard Bumper	1	
2	450214	Screw - Hex M10 - 1.5 x 25	2	
3	4224901	AV Washer 10.7 x 21 x 2.5	2	

METEOR - DECALS

Illustration Number: Meteor decals

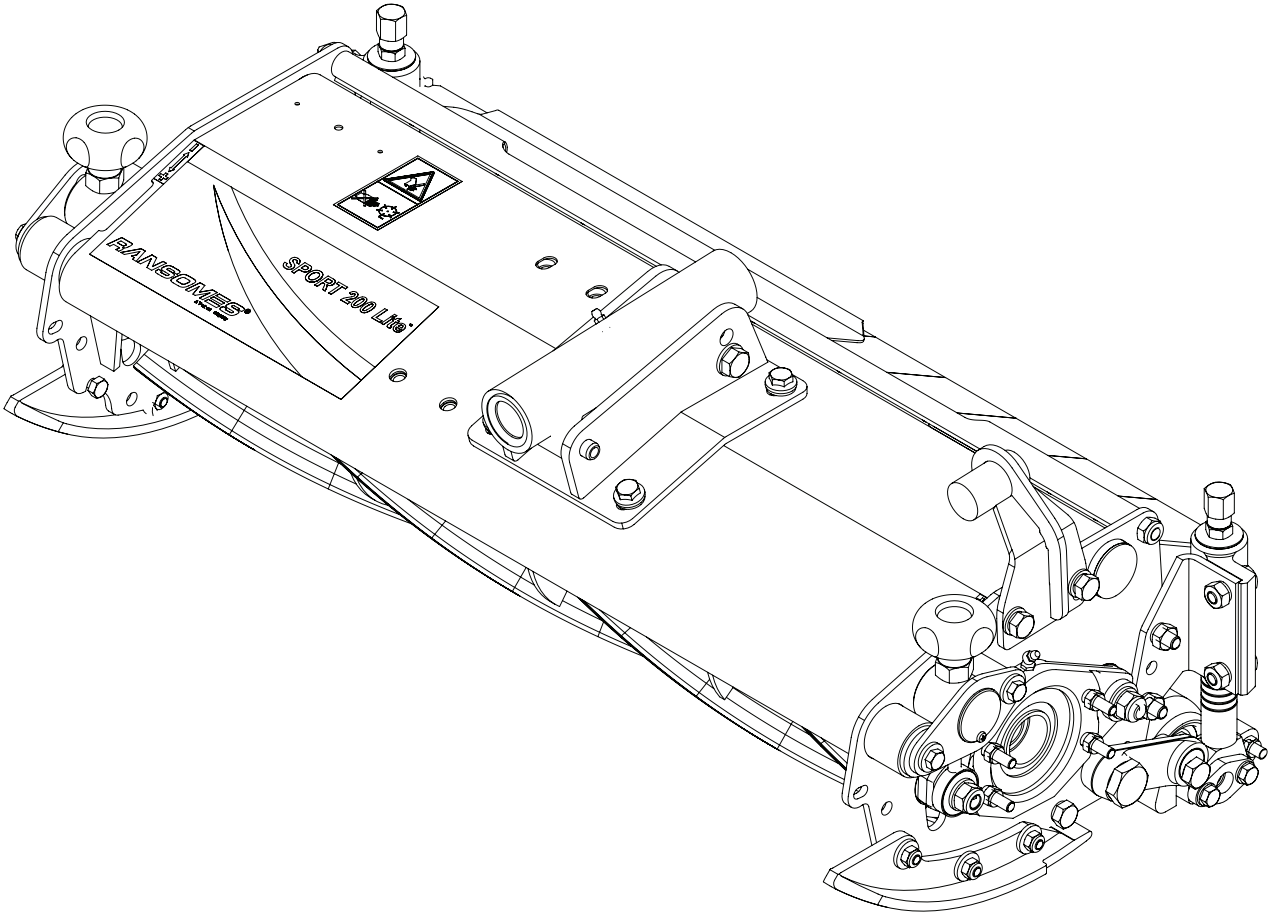


## METEOR - DECALS

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4261604	Decal - Meteor LH	1	
2	4261605	Decal - Meteor RH	1	
3	4279452	Decal - Meteor Height Of Cut	1	
4	009034940	Decal - Caution rotating blades	1	
5	009034920	Decal - Hot	2	

SPORT 200 - CUTTING CYLINDERS AND BOTTOM BLOCK ASSEMBLIES

Illustration Number: LMAC348-R



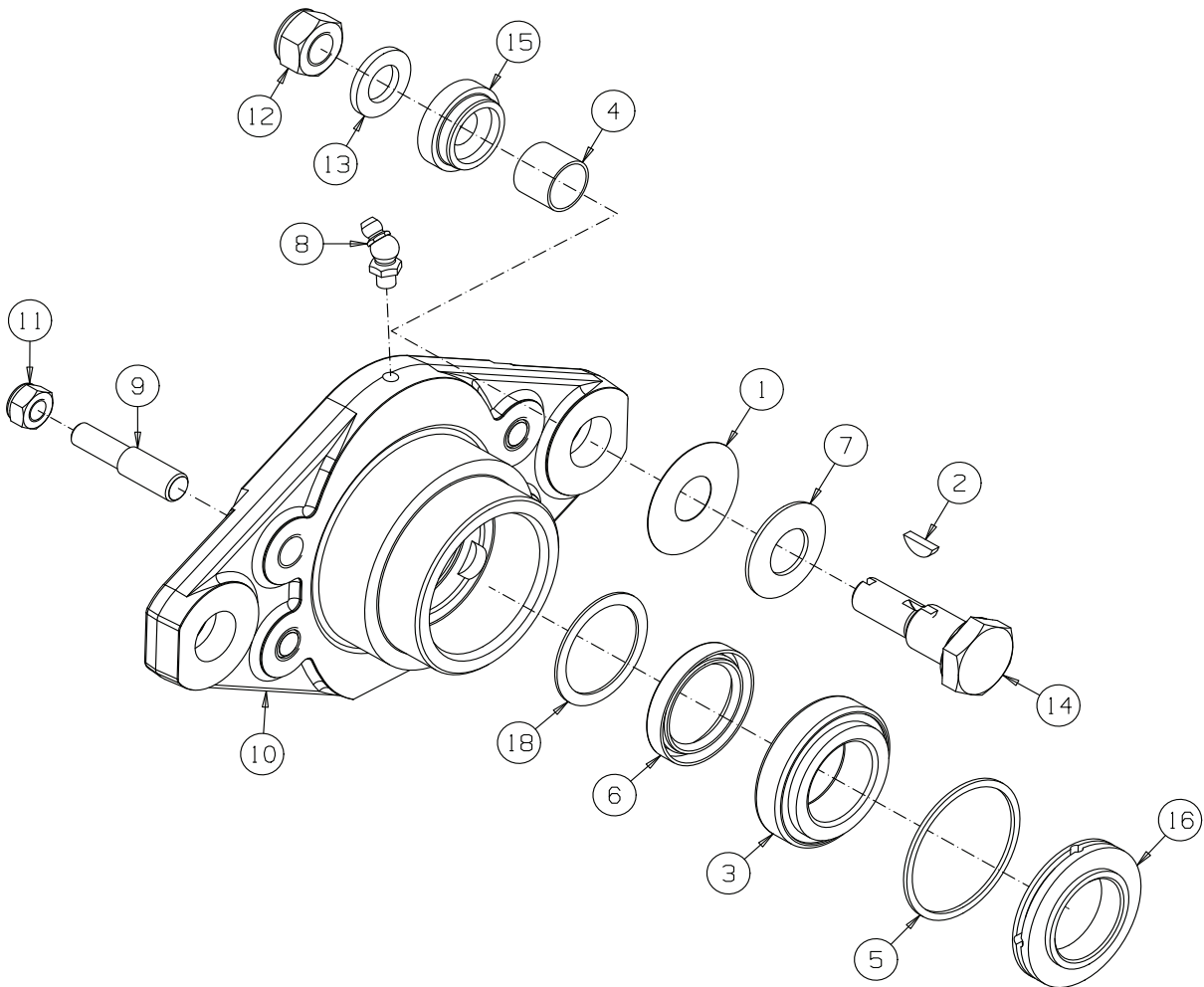
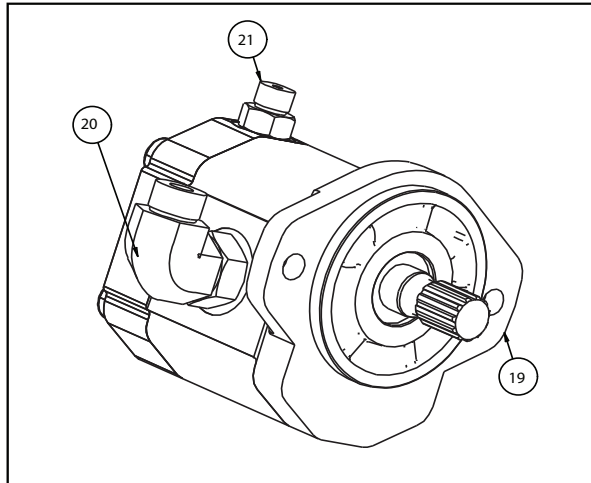


## SPORT 200 - CUTTING CYLINDERS AND BOTTOM BLOCK ASSEMBLIES

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4192422	Welded Assembly-8" x 4K Cutting Cylinder	1	
2	4192423	Welded Assembly-8" x 6K Cutting Cylinder	1	
3	4192424	Welded Assembly-8" x 8K Cutting Cylinder	1	
4	MBE1151	Bottom Block with Standard Blade	1	For Fixed Head Units
4*	001190000	• Screw - Countersunk 3/8-16 x 11/16	7	
4*	MBA7024A	• Bottom Blade (Standard)	1	
5	MBE1527	Bottom Block with Thin Blade	1	For Floating Head Units
5*	001190000	• Screw - Countersunk 3/8-16 x 11/16	7	
5*	MBA7037A	• Bottom Blade (Thin)	1	
6*	MBB6448	Assembly-Height of Cut Bar	1	For Fixed Head Units
6*	MBB4624A	• Bar, Height Adjustment	1	
6*	450558	• Screw-Pan Hd M8 x 50	1	
6*	001822089	• Nut-Wing M8	1	
7*	MBC9010	Assembly-Height of Cut Bar	1	For Floating Head Units
7*	MBB4624A	• Bar, Height Adjustment	1	
7*	450558	• Screw-Pan Hd M8 x 50	2	
7*	450324	• Nut-Hex M8	1	
7*	001822089	• Nut-Wing M8	1	

SPORT 200 - BEARING HOUSING (DRIVE SIDE)

Illustration Number: 4196020-2

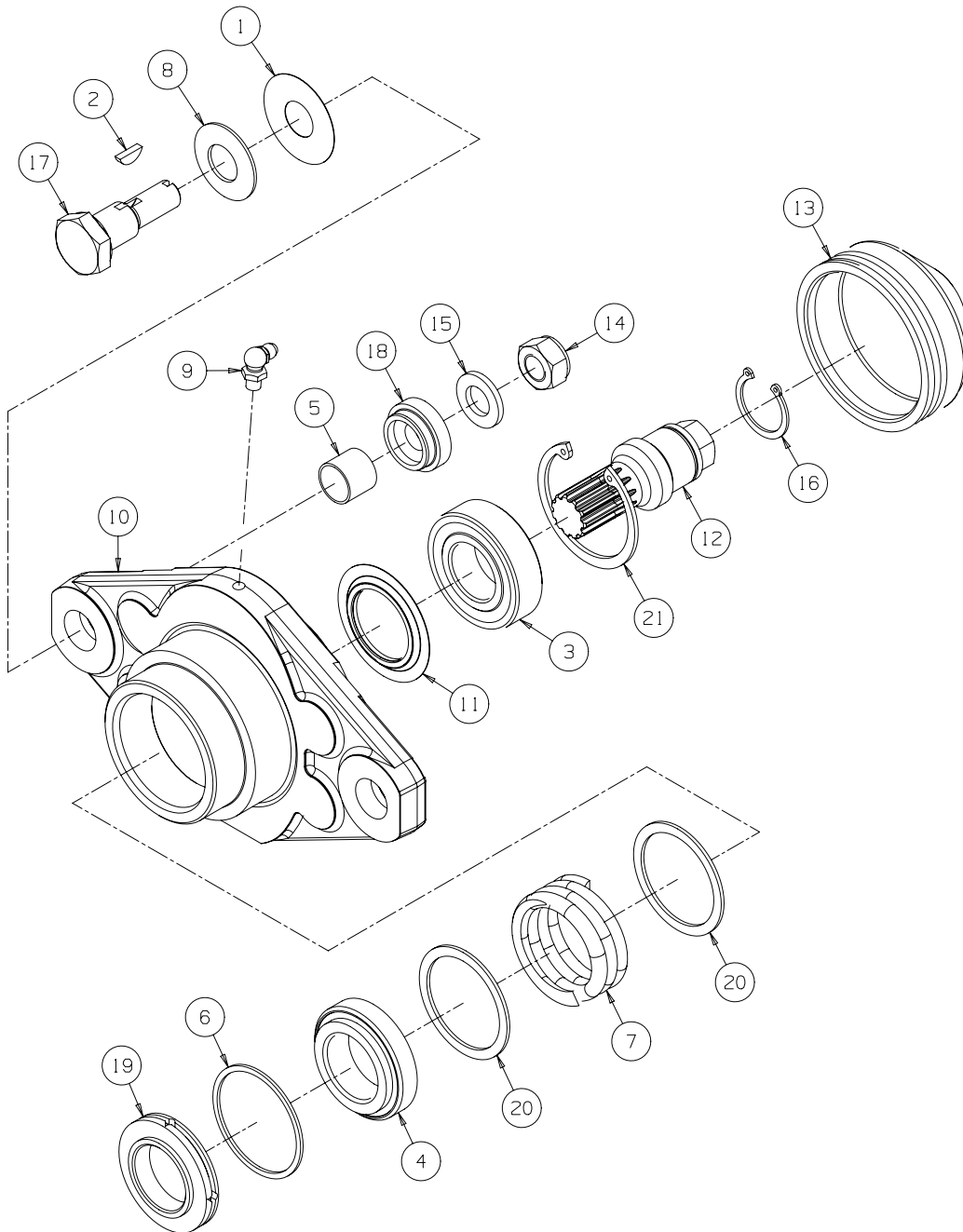


## SPORT 200 - BEARING HOUSING (DRIVE SIDE)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001599913	Washer-16 x 40 x 0.25	1	
2	001634014	Woodruff Key 3 x 5	1	
3	002090440	Bearing-Tapered 1.1417 x 1.98 x .58	1	
4	002193245	Bush-Devol 16 x 18 x 15	1	
5	002300130	Seal Ring	1	
6	002300190	Oil Seal-1.1/8 x 1.5/8 x 1/4	1	
7	002921222	Spring-Disc 16.3 x 34 x 1.5	1	
8	002993063	Lubricator - M6 x 45°	1	
9	2203039	Stud	2	
10	4194300	Bearing Housing (drive side)	1	
11	450378	Nut-Hex M8 Nyloc	2	
12	450380	Nut-Hex M12 Nyloc	1	
13	450392	Washer-M12 x 24 x 2.7	1	
14	MBC8191B	Pivot Pin	1	
15	MBE0359	Collar	1	
16	MBE2231	Ring Carrier	1	
17	001993020	Insert - Helicoil M10 x 1.5D	4	
18	MBE4676	Spacer	1	
*	4220520	Hydraulic Motor	1	
19	4281531	Hydraulic Motor 14.6 cc	1	
*	4179500	• Seal Kit	1	
20	4257271	90° M/M 13/16 ORS x 7/8 SAE	2	
*	158061-02	• O Ring (For 13/16 ORS)	1	
	002218104	• O Ring (For 7/8 SAE)	1	
21	158006-15	Fitting 9/16 ORS x 9/16 SAE	1	
*	158061-18	• O Ring (For 9/16 ORS)	1	
*	002218065	• O Ring (For 9/16 SAE)	1	

SPORT 200 - BEARING HOUSING (NON-DRIVE SIDE)

Illustration Number: 4196021-2

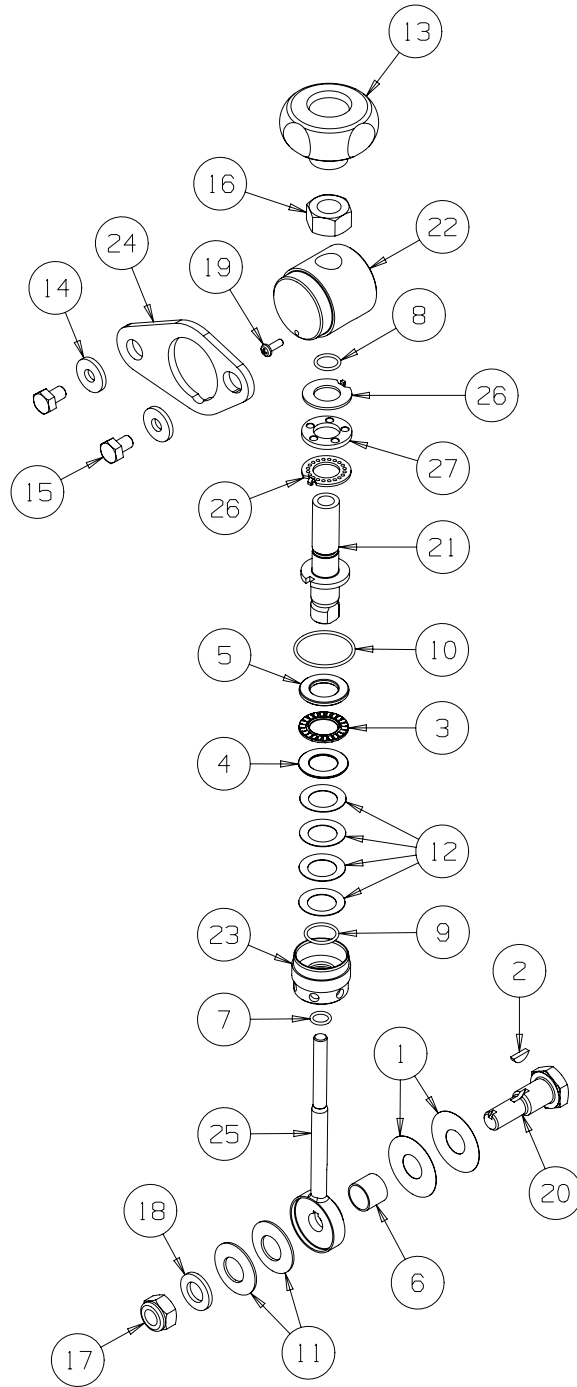


## SPORT 200 - BEARING HOUSING (NON-DRIVE SIDE)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001599913	Washer-16 x 40 x 0.25	1	
2	001634014	Woodruff Key 3 x 5	1	
3	002036057	Bearing-Ball 25 x 52 x 15	1	
4	002090440	Bearing-Tapered 1.1417 x 1.98 x .58	1	
5	002193245	Bush-Devol 16 x 18 x 15	1	
6	002300130	Seal Ring	1	
7	002911320	Compression Spring	1	
8	002921222	Spring-Disc 16.3 x 34 x 1.5	1	
9	002993160	Lubricator-M6 x 90°	1	
10	4194301	Bearing Housing (non-drive side)	1	
11	4194780	Nilos Ring	1	
12	4194781	Shaft-Cylinder Drive	1	
13	4195160	Cover-Bearing Housing	1	
14	450380	Nut-Hex M12 Nyloc	1	
15	450392	Washer-M12 x 24 x 2.7	1	
16	452050	Circlip-Ext 25 x 1.2 T	1	
17	MBC8191B	Pivot Pin	1	
18	MBE0359	Collar	1	
19	MBE2231	Ring Carrier	1	
20	MBG4955	Collar	2	
21	451982	Circlip-Int 52 x 2 T	1	

SPORT 200 - CYLINDER ADJUSTER (HAND)

Illustration Number: 4196022-2

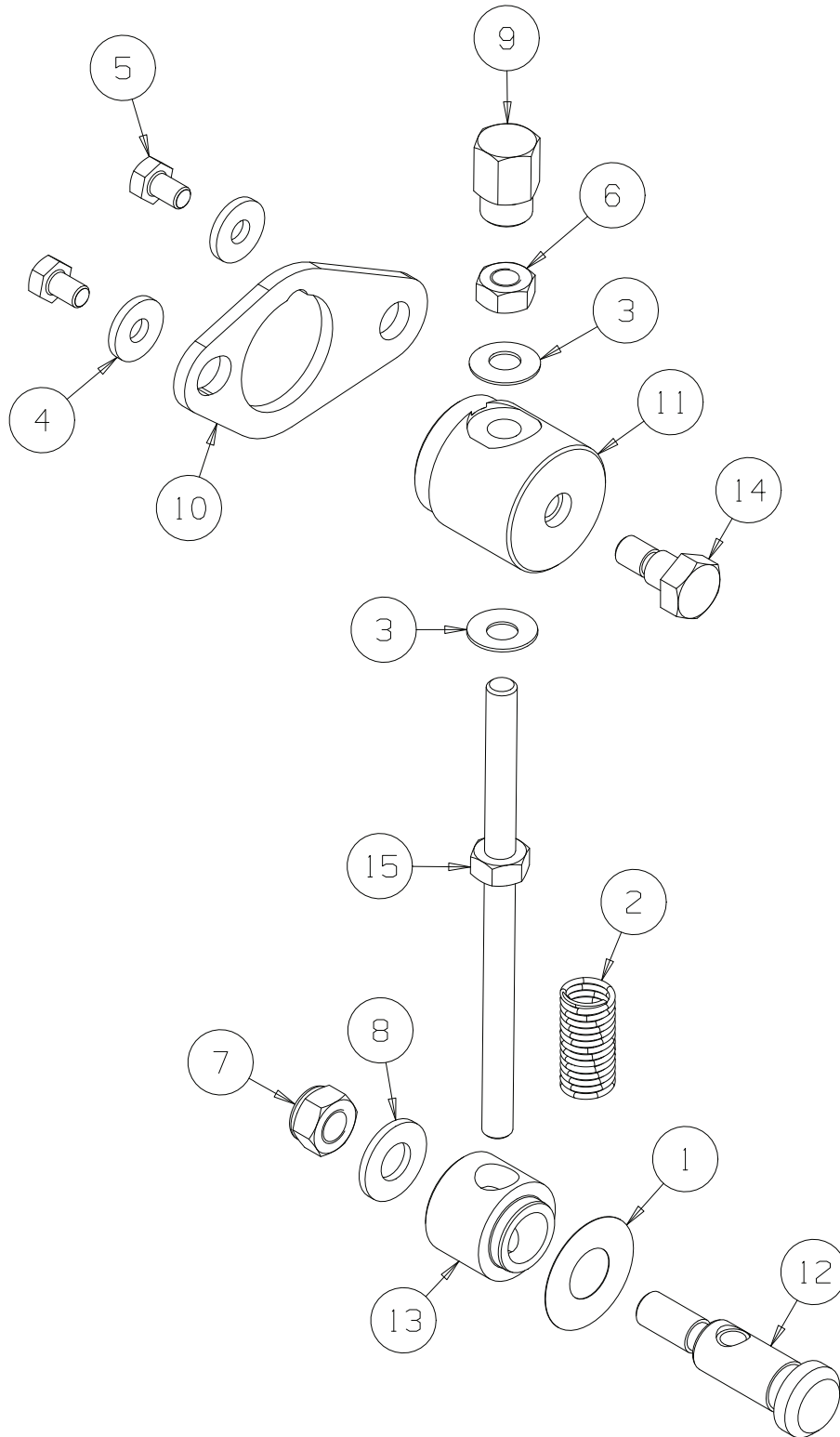


## SPORT 200 - CYLINDER ADJUSTER (HAND)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001599913	Washer-16 x 40 x 0.25	2	
2	001634014	Woodruff Key 3 x 5	1	
3	002075299	Thrust Bearing	1	
4	002075304	Thrust Washer	1	
5	002075312	Thrust Washer	1	
6	002193245	Bush-Devol 16 x 18 x 15	1	
7	002210122	O-ring 9.25 ID x 1.78 Sect	1	
8	002210148	O-ring 12.42 ID x 1.78 Sect	1	
9	002210172	O-ring 17.16 ID x 1.78 Sect	1	
10	002210279	O-ring 33.05 ID x 1.78 Sect	1	
11	002921222	Spring-Disc 16.3 x 34 x 1.5	2	
12	002922935	Spring-Disc 17.3 x 27.7 x 0.4	4	
13	4210880	Hand Wheel - Cylinder Adjustment	1	
14	009072070	Washer-M8 x 22 x 3	2	
15	450188	Screw-Hex M8 x 12	2	
16	450327	Nut-Hex M16	1	
17	450380	Nut-Hex M12 Nyloc	1	
18	450392	Washer-M12 x 24 x 2.7	1	
19	450517	Screw-Pan Hd M4 x 12	1	
20	MBC8191B	Pivot Pin	1	
21	MBC9699A	Adjusting Nut	1	
22	MBC9706B	Trunnion	1	
23	MBC9814B	Gland Nut	1	
24	MBC9905A	Plate	1	
25	MBE0271	Adjusting Rod	1	
26	MBE0376	Cam Ring	2	
27	MBE0473A	Ball and Cage Assembly	1	

SPORT 200 - CYLINDER ADJUSTER (SPANNER)

Illustration Number: 4196023-2



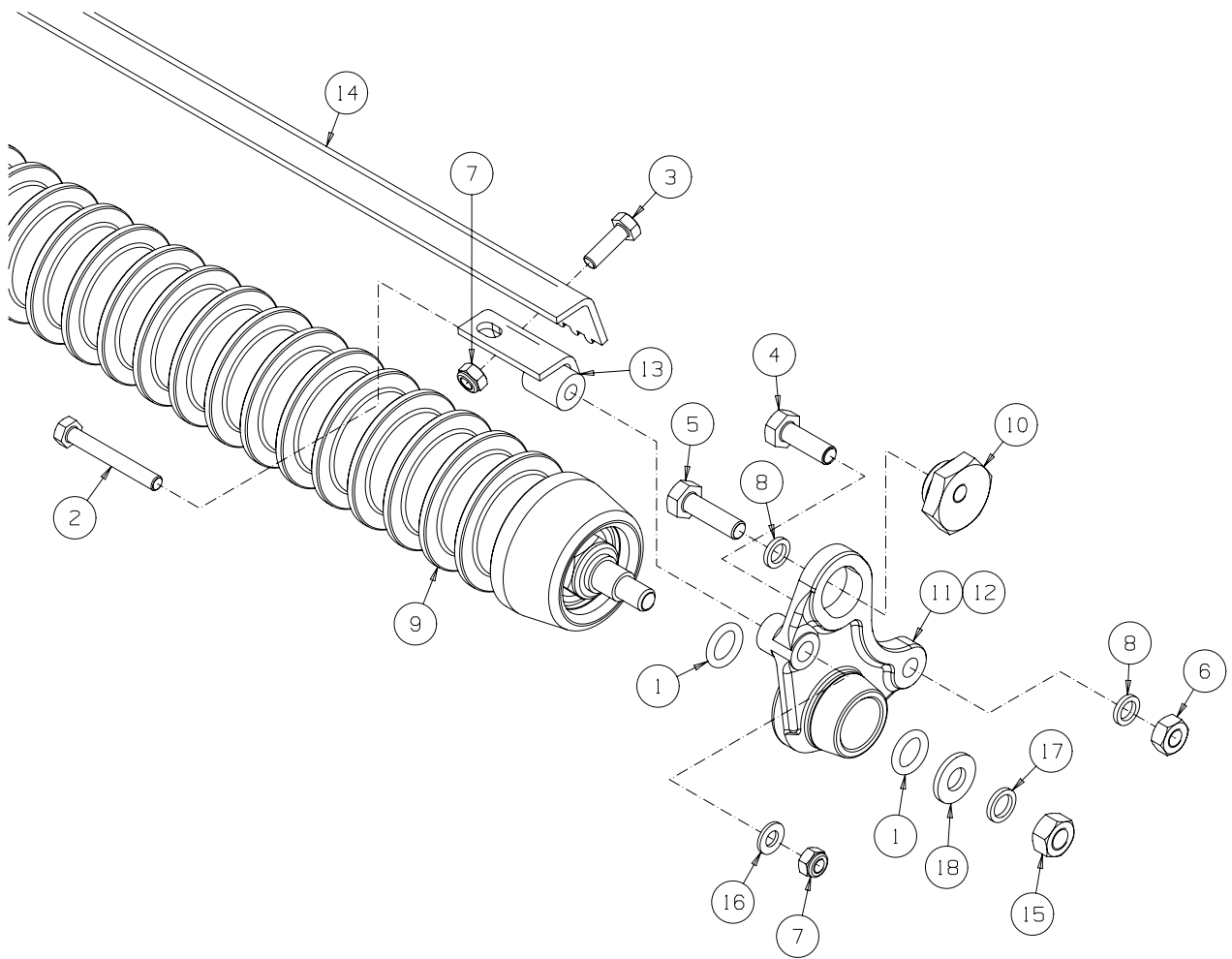


## SPORT 200 - CYLINDER ADJUSTER (SPANNER)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001594210	Washer-18 x 40 x 0.25	1	
2	002910794	Spring-Comp 15.88 x 1.83 x 63.5	1	
3	002920836	Spring-Disc 10.2 x 23 x 1	2	
4	009072070	Washer-M8 x 22 x 3	2	
5	450188	Screw-Hex M8 x 12	2	
6	450325	Nut-Hex M10	1	
7	450380	Nut-Hex M12 Nyloc	1	
8	450402	Washer-M12 x 28 x 2.7	1	
9	469023724	Adjuster	1	
10	MBC9905A	Plate	1	
11	MBF1413A	Trunnion	1	
12	MBF1415	Clamp Pivot	1	
13	MBF1418	Clamping Collar	1	
14	MBF1439	Shoulder Bolt	1	
15	MBG4227	Stud-Cyl Adjuster	1	

METEOR - FRONT ROLL MOUNTING

Illustration Number: 4196026-2

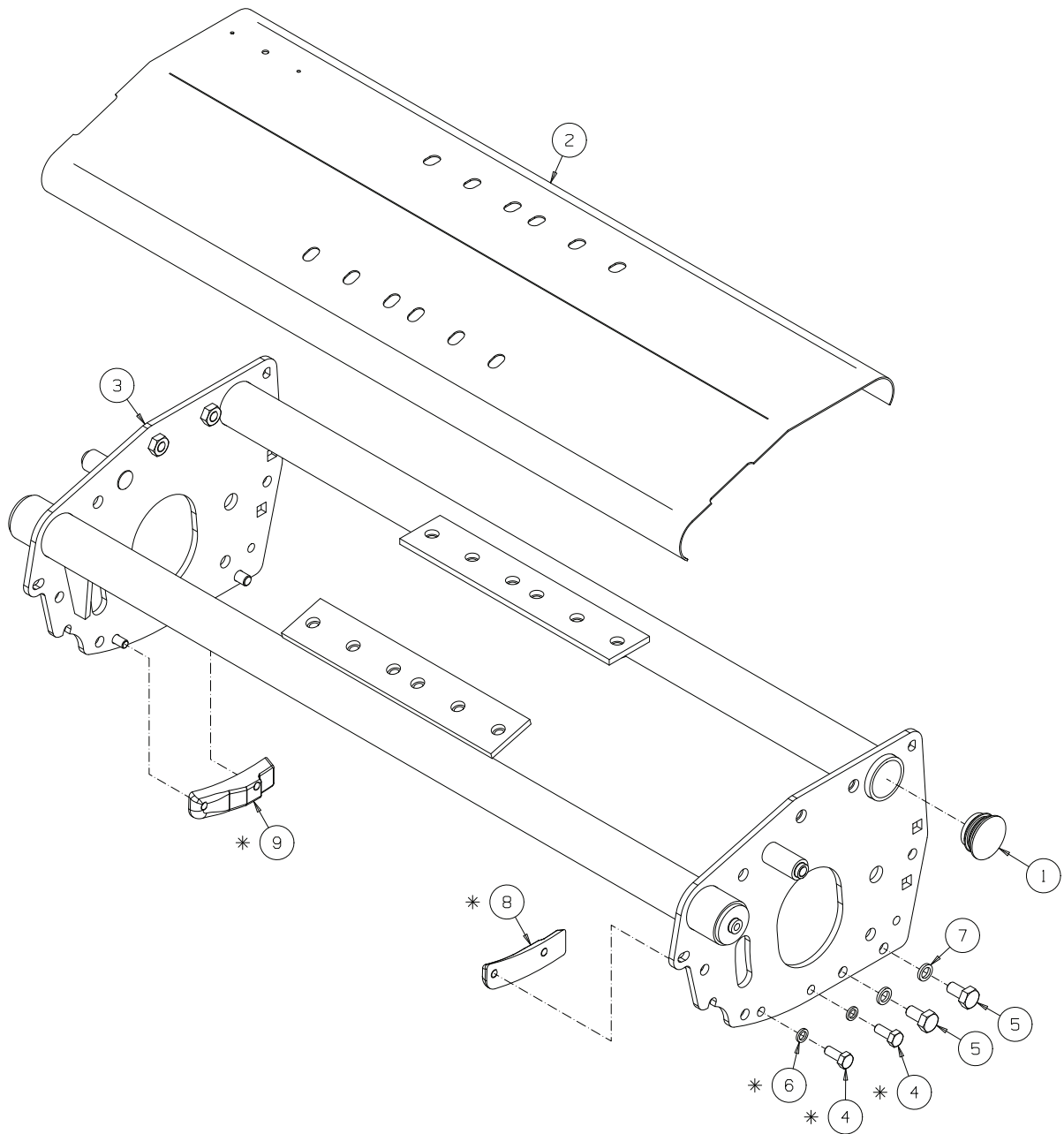


## METEOR - FRONT ROLL MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002219100	O-ring 16 ID x 4 Sect	4	
2	450020	Bolt - Hex M8 x 60	2	
3	450192	Screw - Hex M8 x 25	2	
4	450215	Screw - Hex M10 x 30	3	
5	450216	Screw - Hex M10 x 35	1	
6	450325	Nut - Hex M10	3	
7	450378	Nut - Hex M8 Nyloc	4	
8	450412	Lockwasher - M10 x 15.9 x 2.65	4	
9	LMAC072A	Roller - 74.7 x 775 Grooved	1	
10	MBC8317A	Eccentric Nut	1	
11	MBE1413B	Support LH	1	
12	MBE1414B	Support RH	1	
13	MBF0034	Pivot Welded Assembly	2	
14	4213460	Scraper	1	
15	450326	Nut - Hex M12	2	
16	450390	Washer - M8 x 17 x 1.8	2	
17	450413	Lockwasher - M12 x 17.9 x 2.65	2	
18	MBE1372	Washer - 12.5 x 26.5 x 3	2	

SPORT 200 - MAINFRAME

Illustration Number: 4196024-2

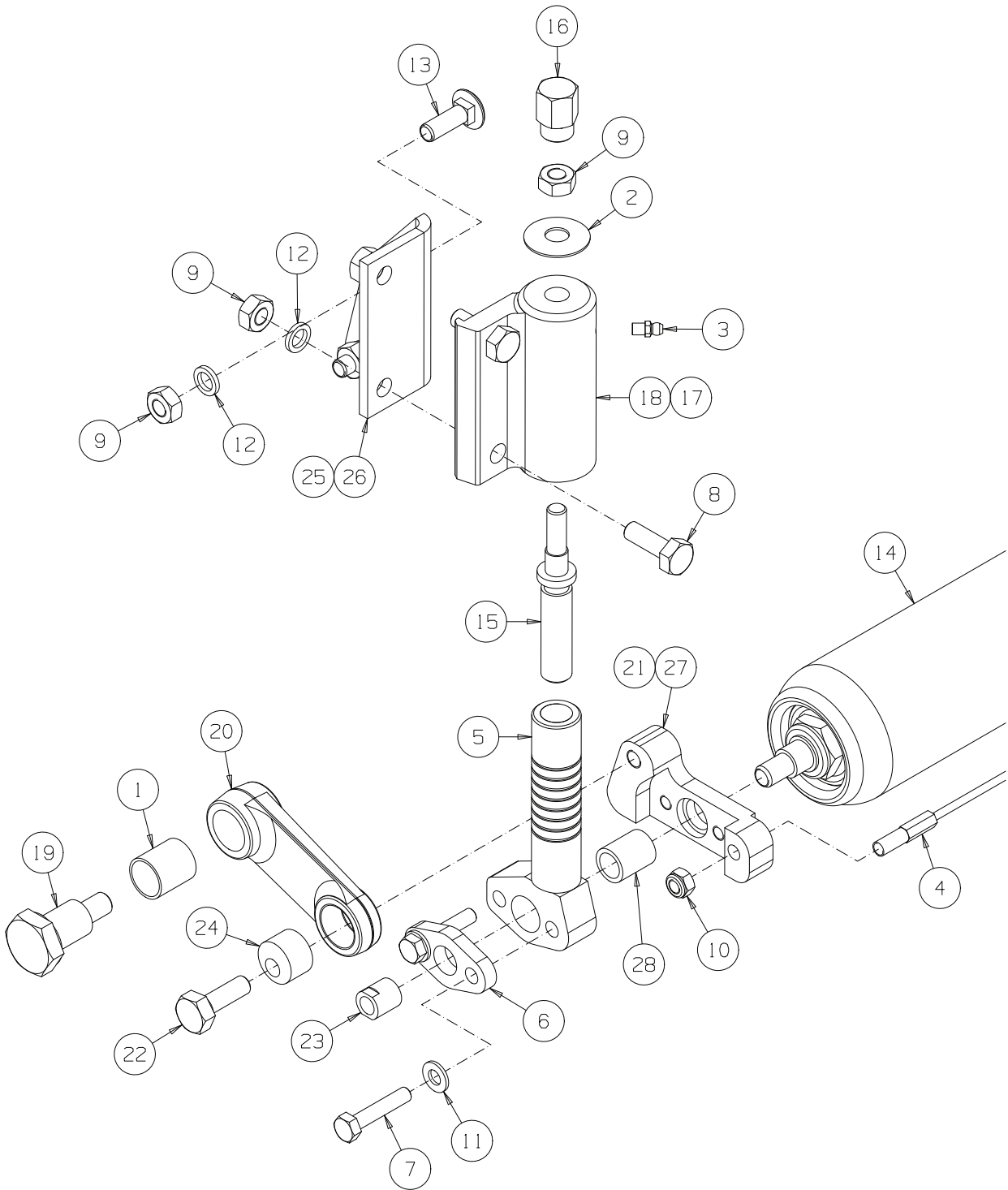


## SPORT 200 - MAINFRAME

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002952748	End Plug	2	
2	4194200	Top Cover	1	
3	4195680	Welded Assembly - Frame	1	
4	450191	Screw - Hex M8 x 20	4	Floating Head Units only
5	450213	Screw - Hex M10 x 20	4	
6	450411	Lockwasher - M8 x 12.75 x 2.1	4	Floating Head Units only
7	450412	Lockwasher - M10 x 15.9 x 2.65	4	
8	MBE2205	Pad LH	1	Floating Head Units only
9	MBE2206	Pad RH	1	Floating Head Units only

SPORT 200 - REAR ROLL ADJUSTER (SPANNER)

Illustration Number: 4196025-2

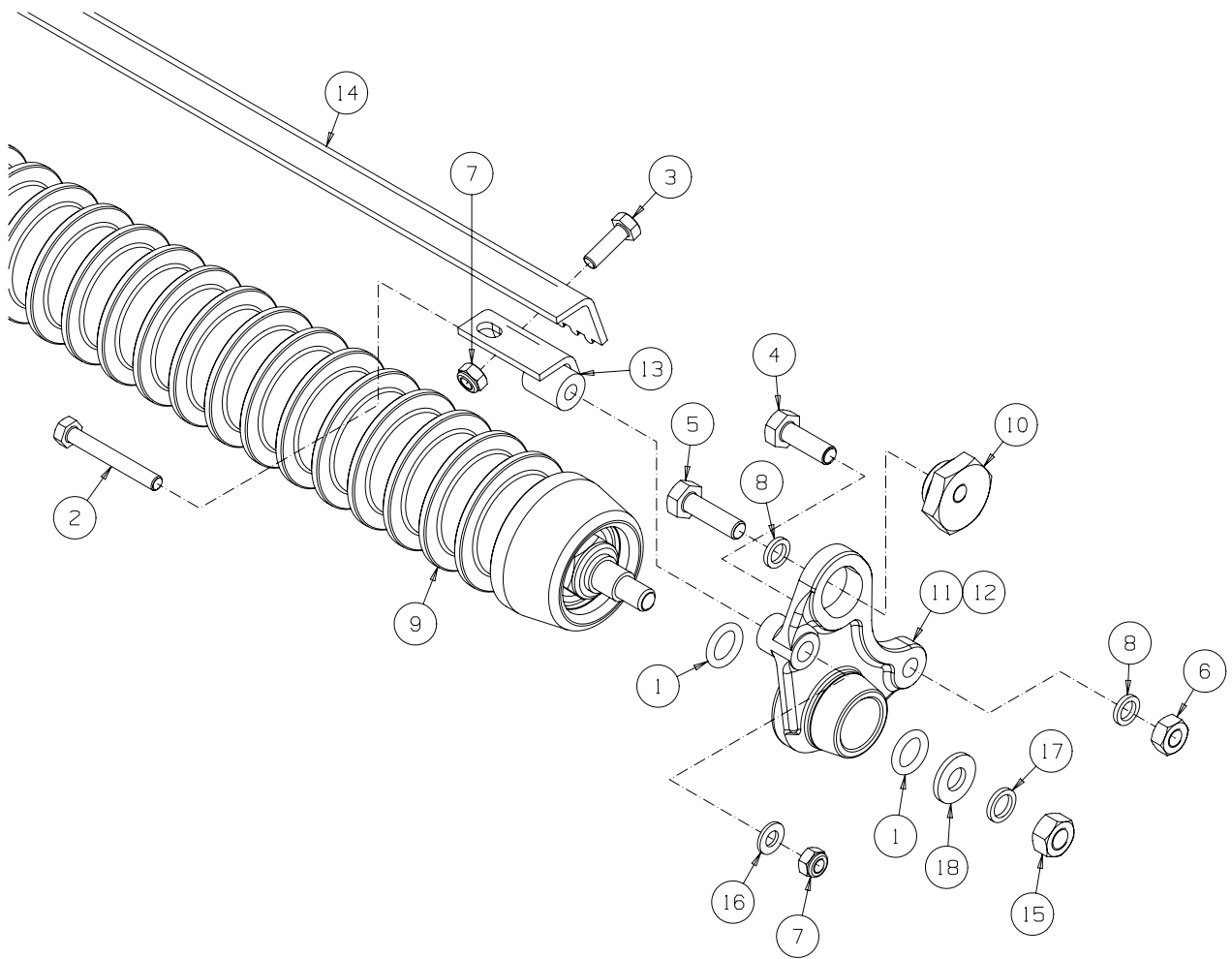


## SPORT 200 - REAR ROLL ADJUSTER (SPANNER)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002193237	Bush-Nylon 23 x 20 x 25	2	
2	002921214	Spring - Disc 12.3 x 34 x 1.25	2	
3	002993013	Lubricator - M6 Straight	2	
4	009067120	Scraper Wire	1	
5	4119718	Skid Mounting Assembly	2	
6	4119721	Outer Plate	2	
7	450016	Bolt - Hex M8 x 40	4	
8	450215	Screw - Hex M10 x 30	4	
9	450325	Nut - Hex M10	10	
10	450378	Nut - Hex M8 Nyloc	2	
11	450390	Washer - M8 x 17 x 1.8	4	
12	450412	Lockwasher - M10 x 15.9 x 2.65	8	
13	452586	Bolt - Carriage M10 x 30	4	
14	LMAC074A	Roller - 76 x 784 Plain	1	
15	MBB2579A	Screw	2	
16	469023724	Adjuster	2	
17	MBB6817	Outer Sleeve LH	1	
18	MBB6818	Outer Sleeve RH	1	
19	MBC8156A	Pin	2	
20	MBC9333C	Lever	2	
21	4119719	Support Plate RH	1	
22	MBF1421	Clamp Bolt-Eccentric	2	
23	MBF1693	Rear Roll Sleeve	2	
24	MBG2168A	Eccentric Bush	2	
25	MBG3969A	Bracket - Rear Roll LH	1	
26	MBG3970A	Bracket - Rear Roll RH	1	
27	4119720	Support Plate LH	1	
28	649004633	Bush	2	

SPORT 200 - FRONT ROLL MOUNTING

Illustration Number: 4196026-2



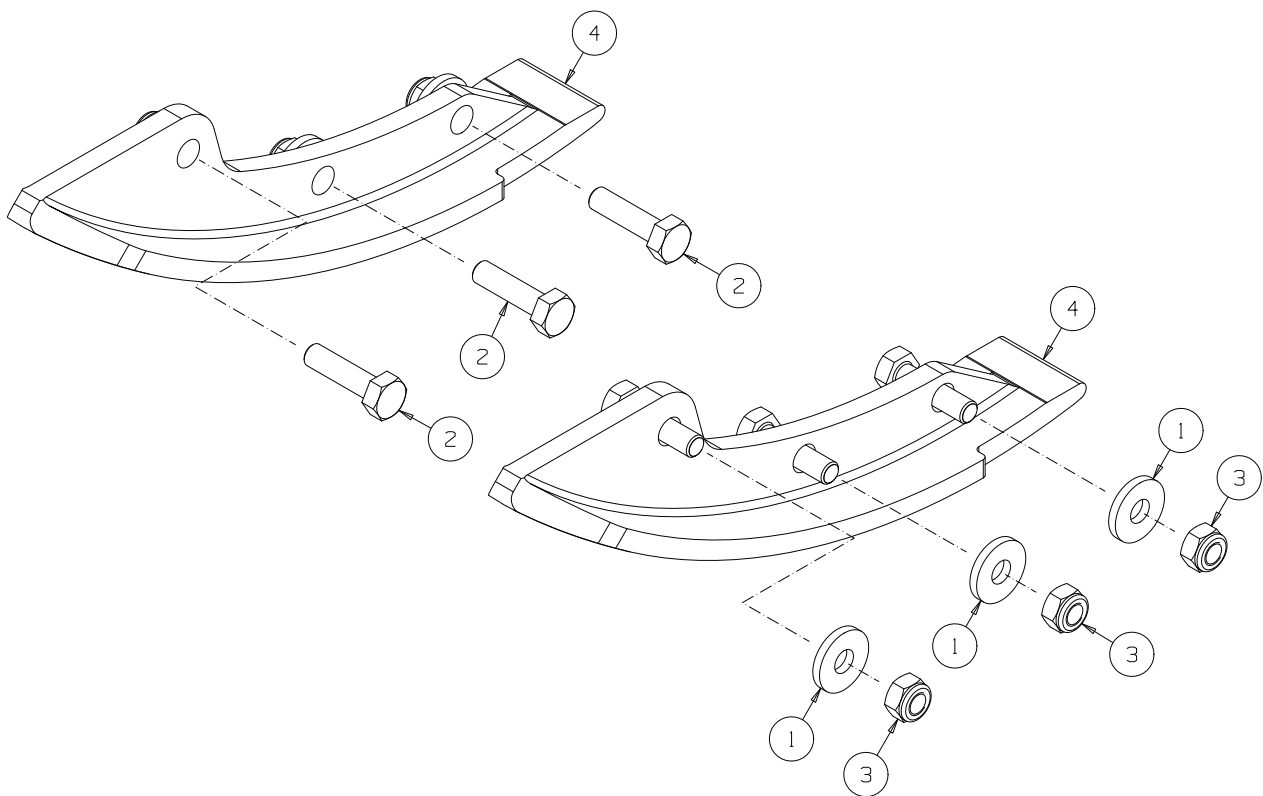


## SPORT 200 - FRONT ROLL MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002219100	O-ring 16 ID x 4 Sect	4	
2	450020	Bolt - Hex M8 x 60	2	
3	450192	Screw - Hex M8 x 25	2	
4	450215	Screw - Hex M10 x 30	3	
5	450216	Screw - Hex M10 x 35	1	
6	450325	Nut - Hex M10	3	
7	450378	Nut - Hex M8 Nyloc	4	
8	450412	Lockwasher - M10 x 15.9 x 2.65	4	
9	LMAC072A	Roller - 74.7 x 775 Grooved	1	
10	MBC8317A	Eccentric Nut	1	
11	MBE1413B	Support LH	1	
12	MBE1414B	Support RH	1	
13	MBF0034	Pivot Welded Assembly	2	
14	4213460	Scraper	1	
15	450326	Nut - Hex M12	2	
16	450390	Washer - M8 x 17 x 1.8	2	
17	450413	Lockwasher - M12 x 17.9 x 2.65	2	
18	MBE1372	Washer - 12.5 x 26.5 x 3	2	

SPORT 200 - SKID MOUNTING (FIXED HEAD UNITS)

Illustration Number: 4196027

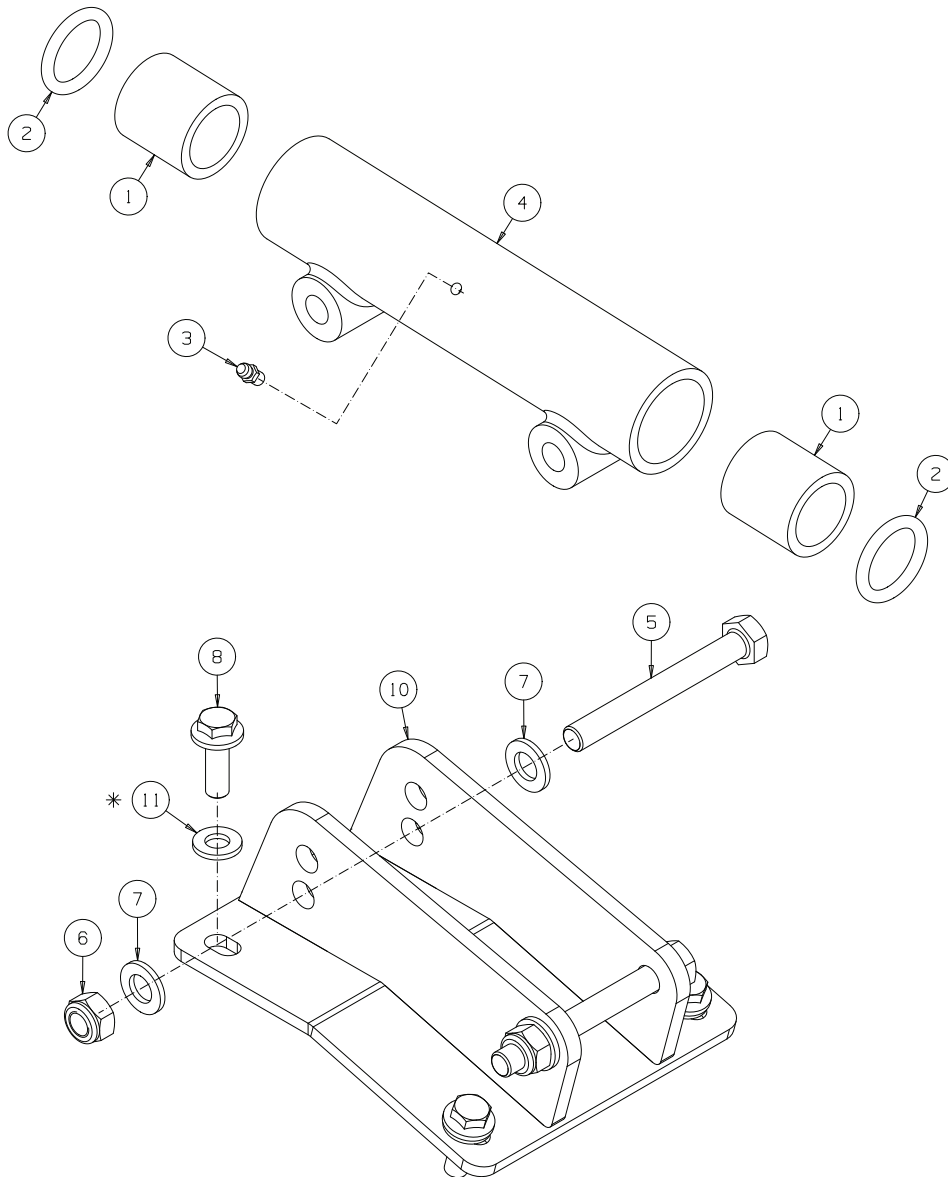


## SPORT 200 - SKID MOUNTING (FIXED HEAD UNITS)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	009072070	Washer - M8 x 22 x 3	6	
2	450014	Bolt - Hex M8 x 30	6	
3	450378	Nut - Hex M6 Nyloc	6	
4	MBC8985	Skid	2	

SPORT 200 - FIXED HEAD MOUNTING

Illustration Number: 4196028-2

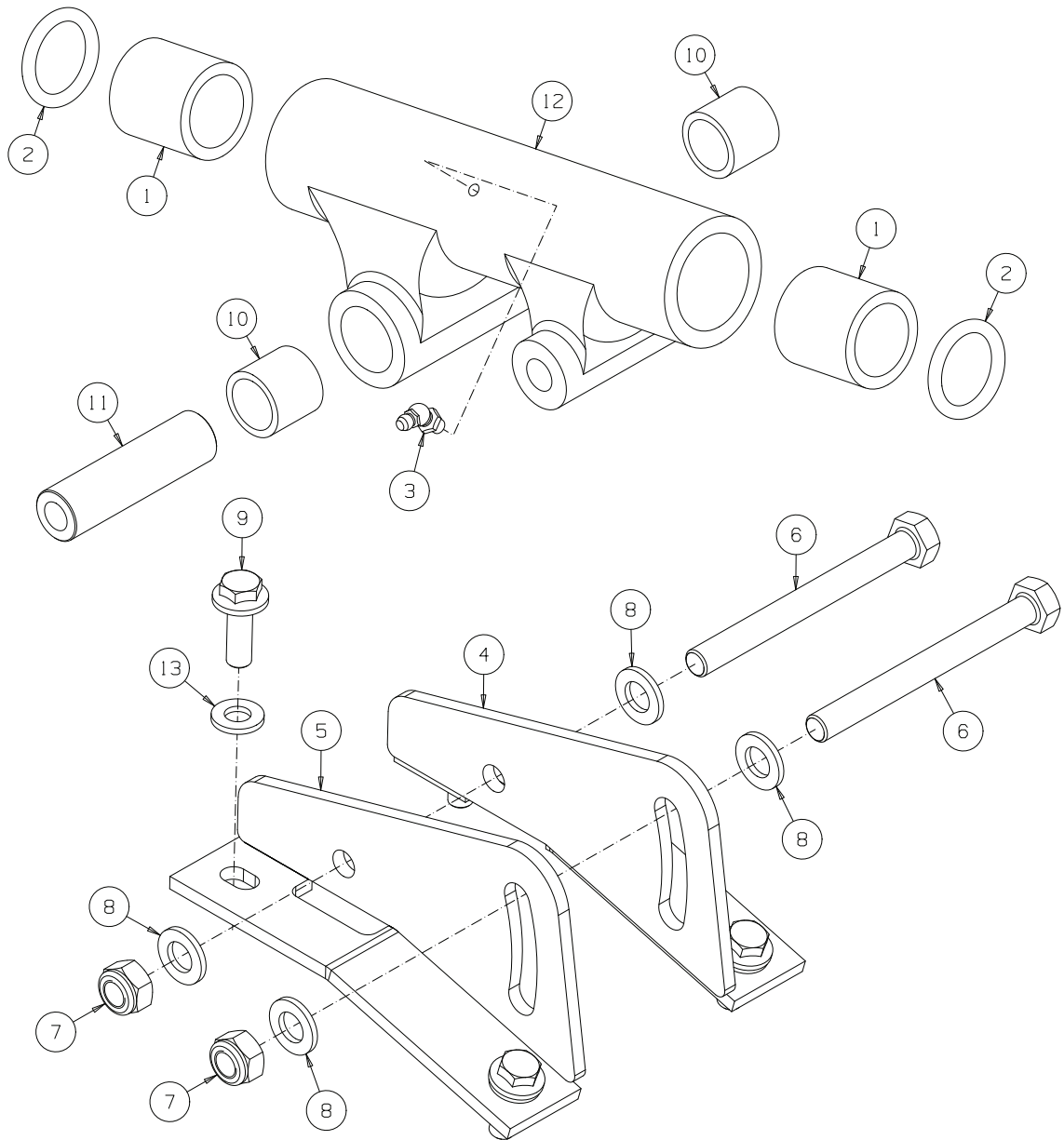


## SPORT 200 - FIXED HEAD MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002193318	Bush - Nylon 40 x 30 x 40	2	
2	002213219	O - ring 30 x 40 x 5.34	2	
3	002993013	Lubricator - M6 Straight	1	
4	4135009	Pivot Bearing	1	
5	450059	Bolt - Hex M12 x 100	2	
6	450380	Nut - Hex M12 Nyloc	2	
7	450392	Washer - M12 x 24 x 2.7	4	
8	4224900	Screw - M10 x 30, Hex Flange	4	
10	MBF1852	Assembly - Pivot Bracket	1	
11	4224901	AV Washer - 10.7 x 21 x 2.5	4	

SPORT 200 - FLOATING HEAD MOUNTING

Illustration Number: 4196029-2

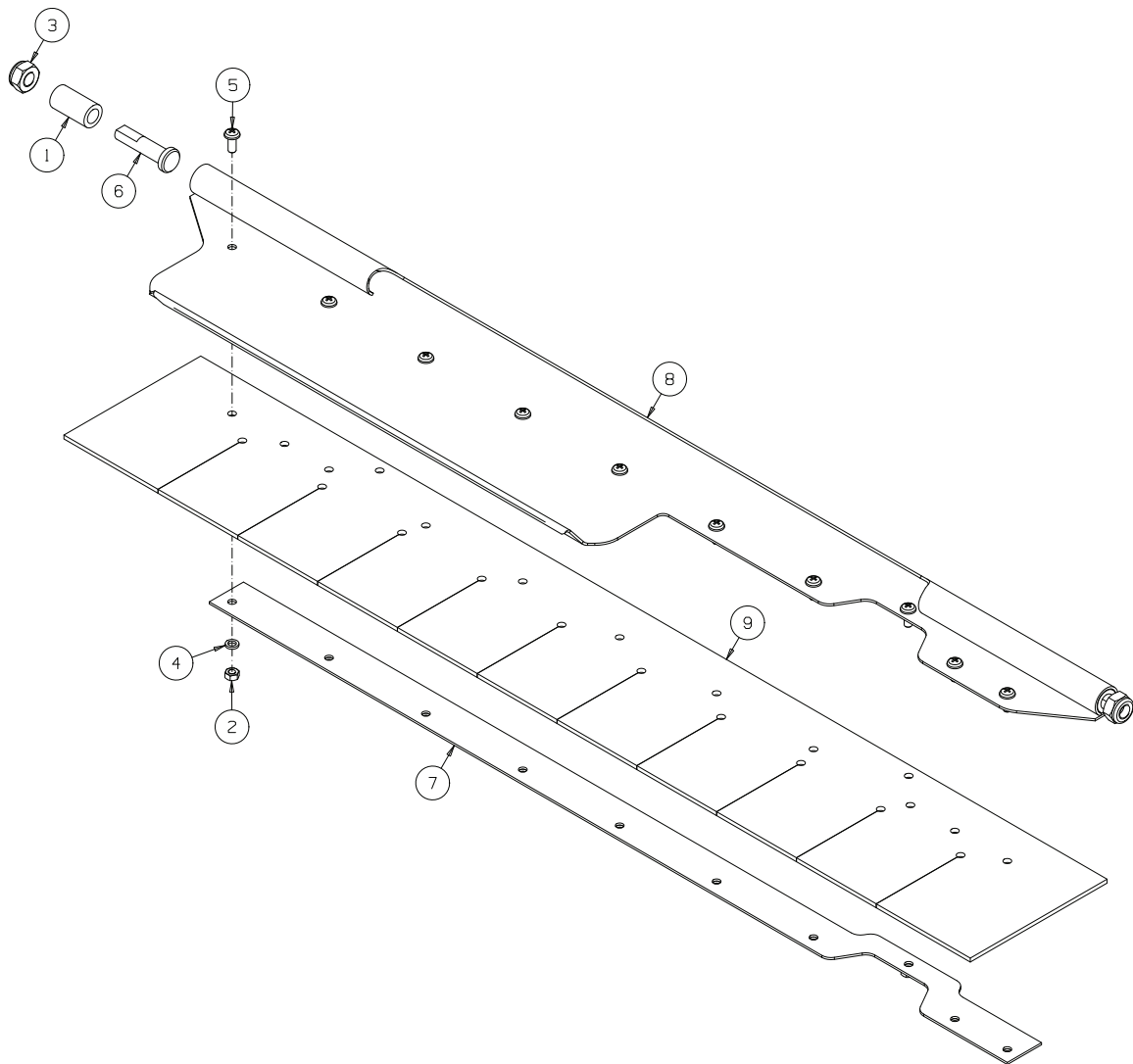


## SPORT 200 - FLOATING HEAD MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002193318	Bush - Nylon 40 x 30 x 40	2	
2	002213219	O - Ring 30 x 40 x 5.34	2	
3	002993063	Lubricator-M6 x 45°	1	
4	4197421	Welded Assembly - Pivot Bracket LH	1	
5	4197422	Welded Assembly - Pivot Bracket RH	1	
6	450061	Bolt - Hex M12 x 120	2	
7	450380	Nut - Hex M12 Nyloc	2	
8	450392	Washer - M12 x 24 x 2.7	4	
9	4224900	Screw - M10 x 30, Hex Flange	4	
10	590001544	Bush - Oilite 7/8 x 1.1/8 x 1	2	
11	MBC8417	Pivot Tube	1	
12	MBE0022	Pivot Bearing	1	
13	4224901	AV Washer - 10.7 x 21 x 2.5	4	

SPORT 200 - DEFLECTOR LH

Illustration Number: 4196030-2



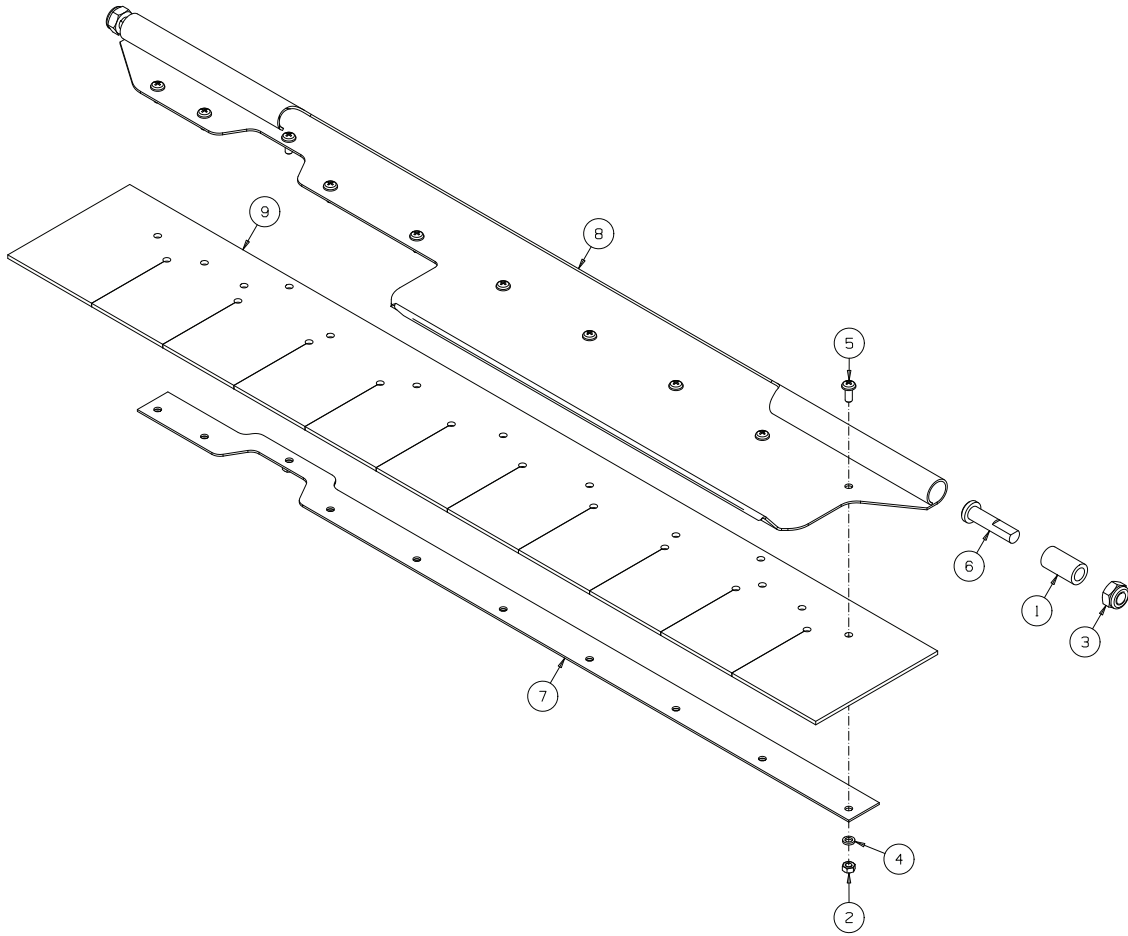


## SPORT 200 - DEFLECTOR LH

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002983832	Spacer	2	
2	450322	Nu t - Hex M5	10	
3	450379	Nut - Hex M10 Nyloc	2	
4	450409	Lockwasher - M5 x 8.55 x 1.6	10	
5	450526	Screw - Pan Hd M5 x 12	10	
6	MBC8956A	Bolt	2	
7	4224400	Deflector Strip	1	
8	MBG2029A	Deflector LH	1	
9	MBG5231	Flap - Deflector	1	

SPORT 200 - DEFLECTOR RH

Illustration Number: 4196031-2

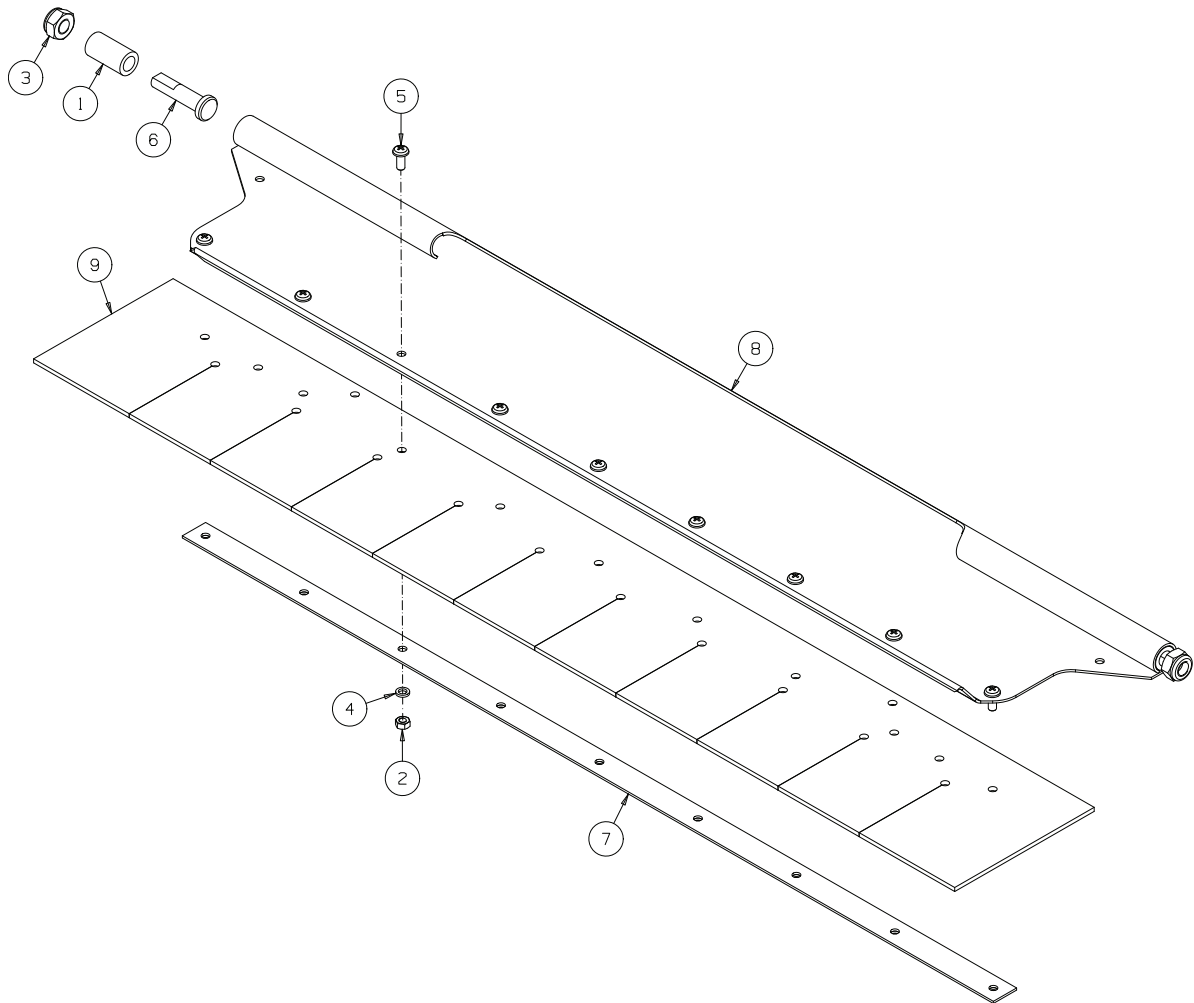


## SPORT 200 - DEFLECTOR RH

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002983832	Spacer	2	
2	450322	Nu t -Hex M5	10	
3	450379	Nut - Hex M10 Nyloc	2	
4	450409	Lockwasher - M5 x 8.55 x 1.6	10	
5	450526	Screw - Pan Hd M5 x 12	10	
6	MBC8956A	Bolt	2	
7	4224400	Deflector Strip	1	
8	MBG2028A	Deflector RH	1	
9	MBG5231	Flap-Deflector	1	

SPORT 200 - CENTRE DEFLECTOR

Illustration Number: 4196032-2

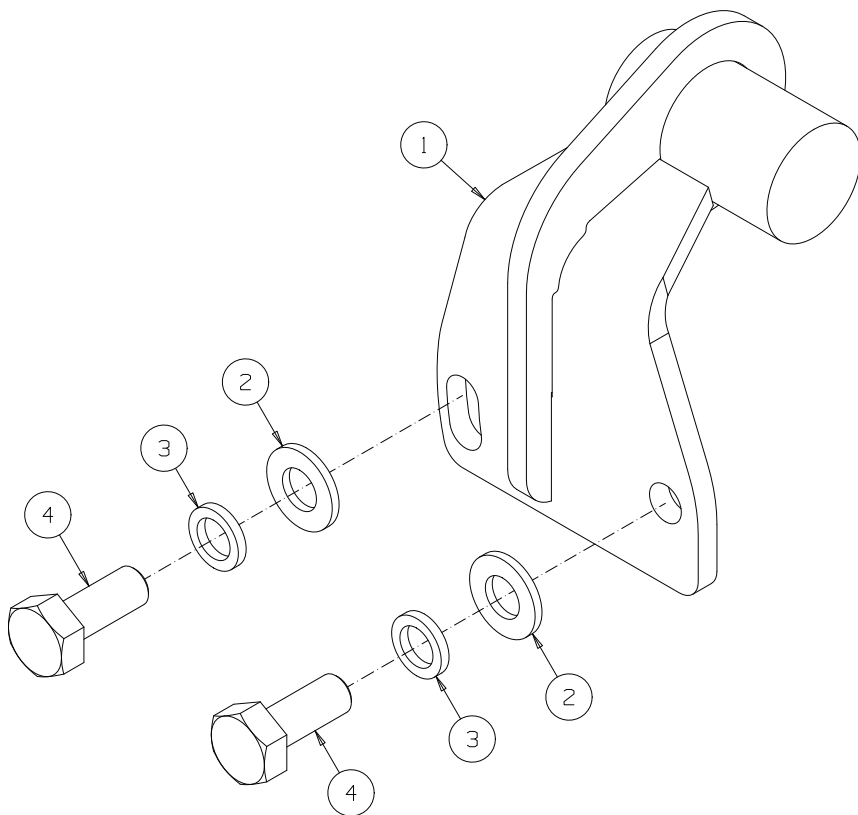


## SPORT 200 - CENTRE DEFLECTOR

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002983832	Spacer	2	
2	450322	Nu t -Hex M5	9	
3	450379	Nut - Hex M10 Nyloc	2	
4	450409	Lockwasher - M5 x 8.55 x 1.6	9	
5	450526	Screw - Pan Hd M5 x 12	9	
6	MBC8956A	Bolt	2	
7	MBE4613	Deflector Strip	1	
8	MBE4612	Deflector	1	
9	MBG5231	Flap-Deflector	1	

SPORT 200 - LH CUTTING UNIT PIN

Illustration Number: 4196033

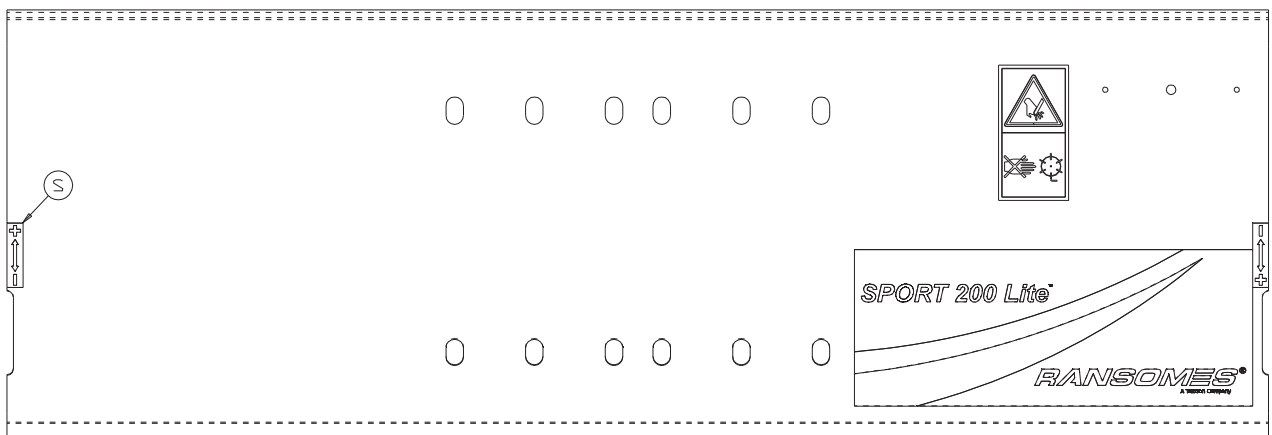
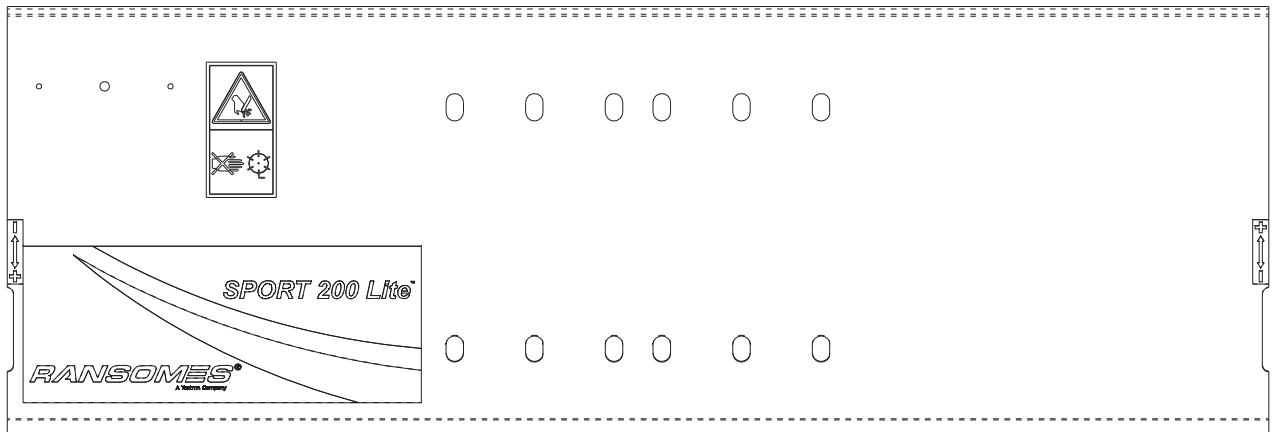
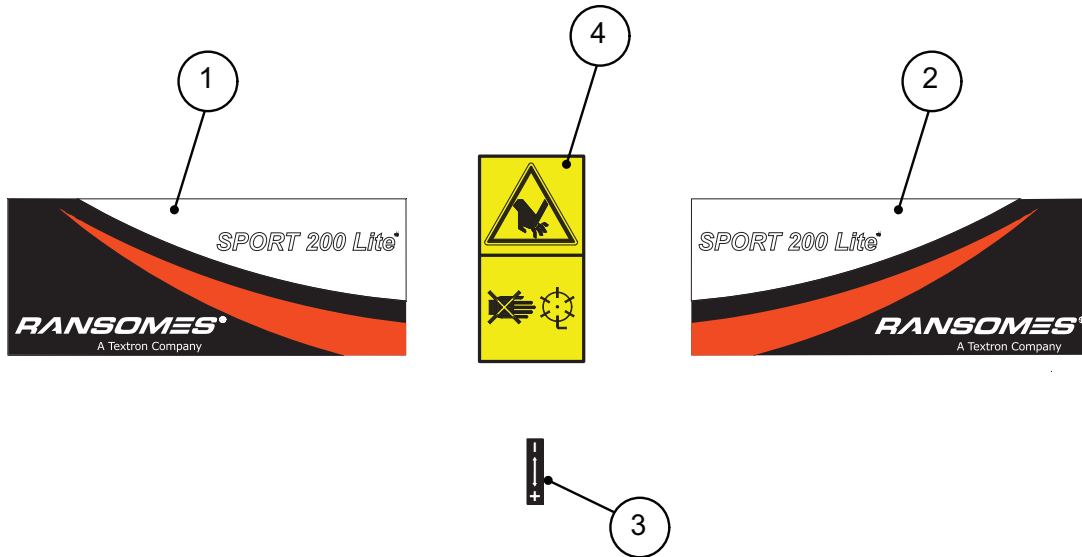


## SPORT 200 - LH CUTTING UNIT PIN

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4214401	Cutting Unit Pin, LH	1	Welded Assembly
2	450391	Washer - M10 x 21 x 2.2	2	
3	450412	Lockwasher - M10 x 15.9 x 2.65	2	
4	450214	Screw - Hex M10 x 25	2	

SPORT 200 - DECALS

Illustration Number: 4221860\_decals\_sport200.eps



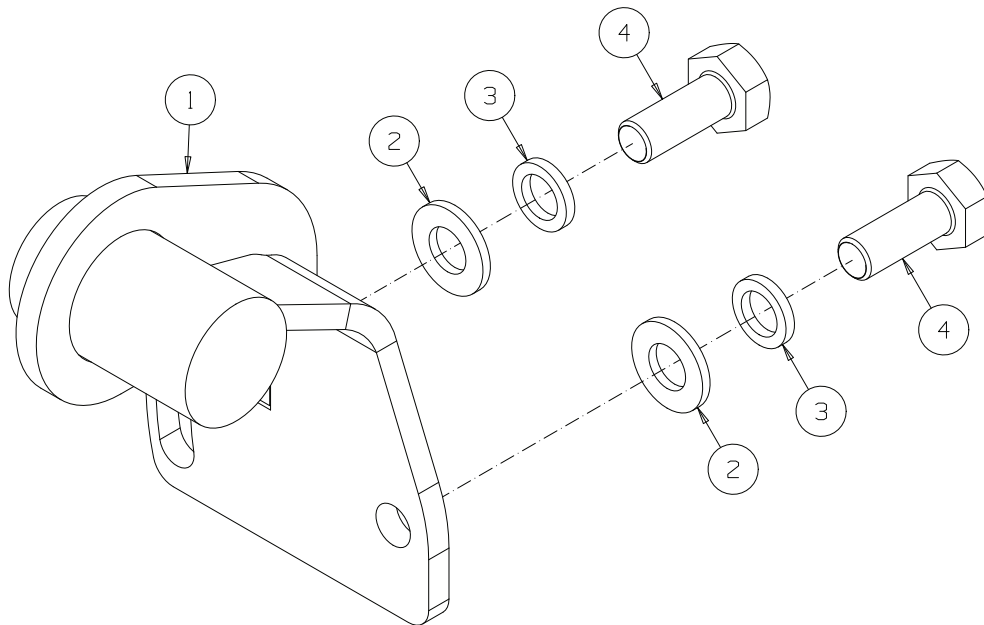


## SPORT 200 - DECALS

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4217120	Decal - Ransomes Sport 200 Lite	1	For RH Drive Unit
2	4217121	Decal - Ransomes Sport 200 Lite	1	For LH Drive Unit
3	009034680	Decal + / -	2	
4	009034940	Decal - Caution rotating blades	1	

SPORT 200 - RH CUTTING UNIT PIN

Illustration Number: 4196034

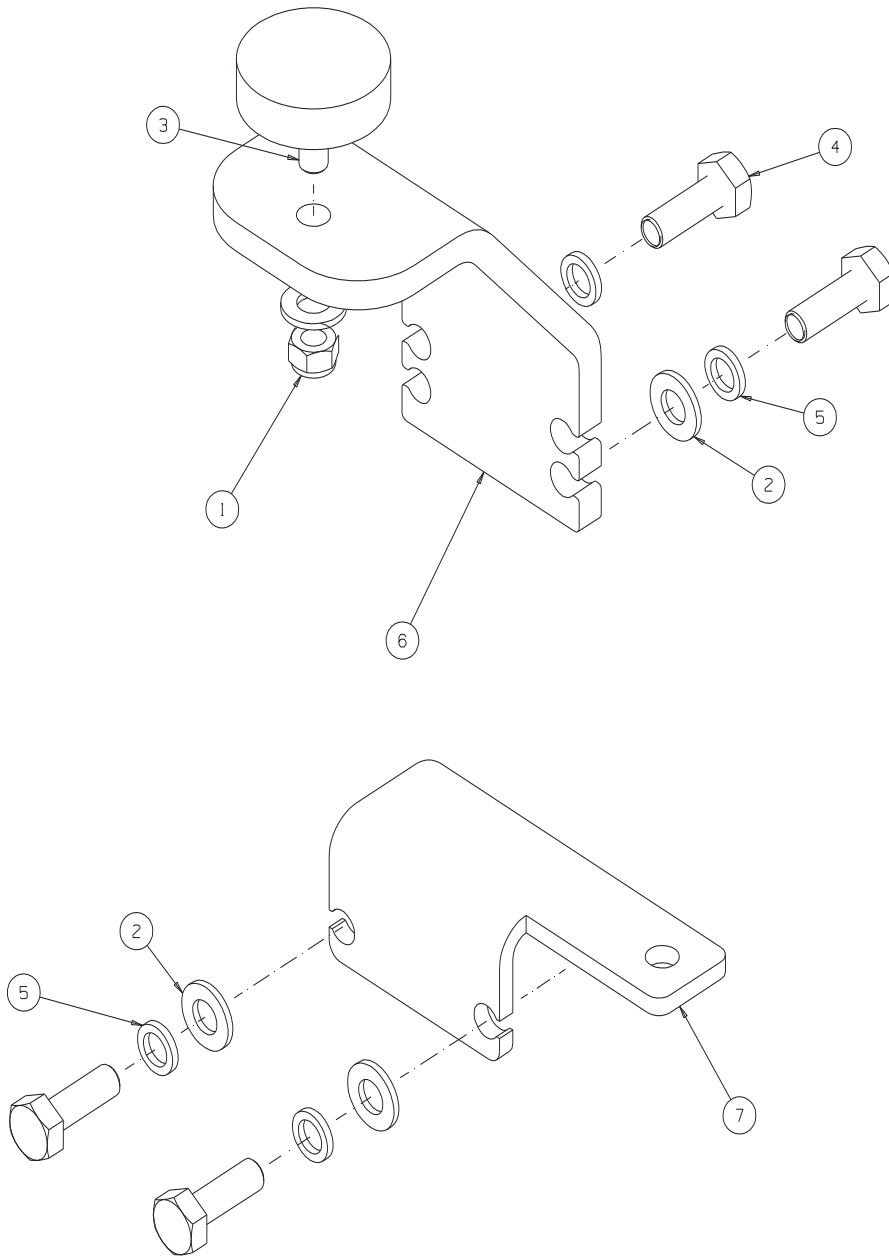


## SPORT 200 - RH CUTTING UNIT PIN

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4214404	Cutting Unit Pin, RH	1	Welded Assembly
2	450391	Washer - M10 x 21 x 2.2	2	
3	450412	Lockwasher - M10 x 15.9 x 2.65	2	
4	450214	Screw - Hex M10 x 25	2	

SPORT 200 - CENTRE UNIT STOPS

Illustration Number: 4196035

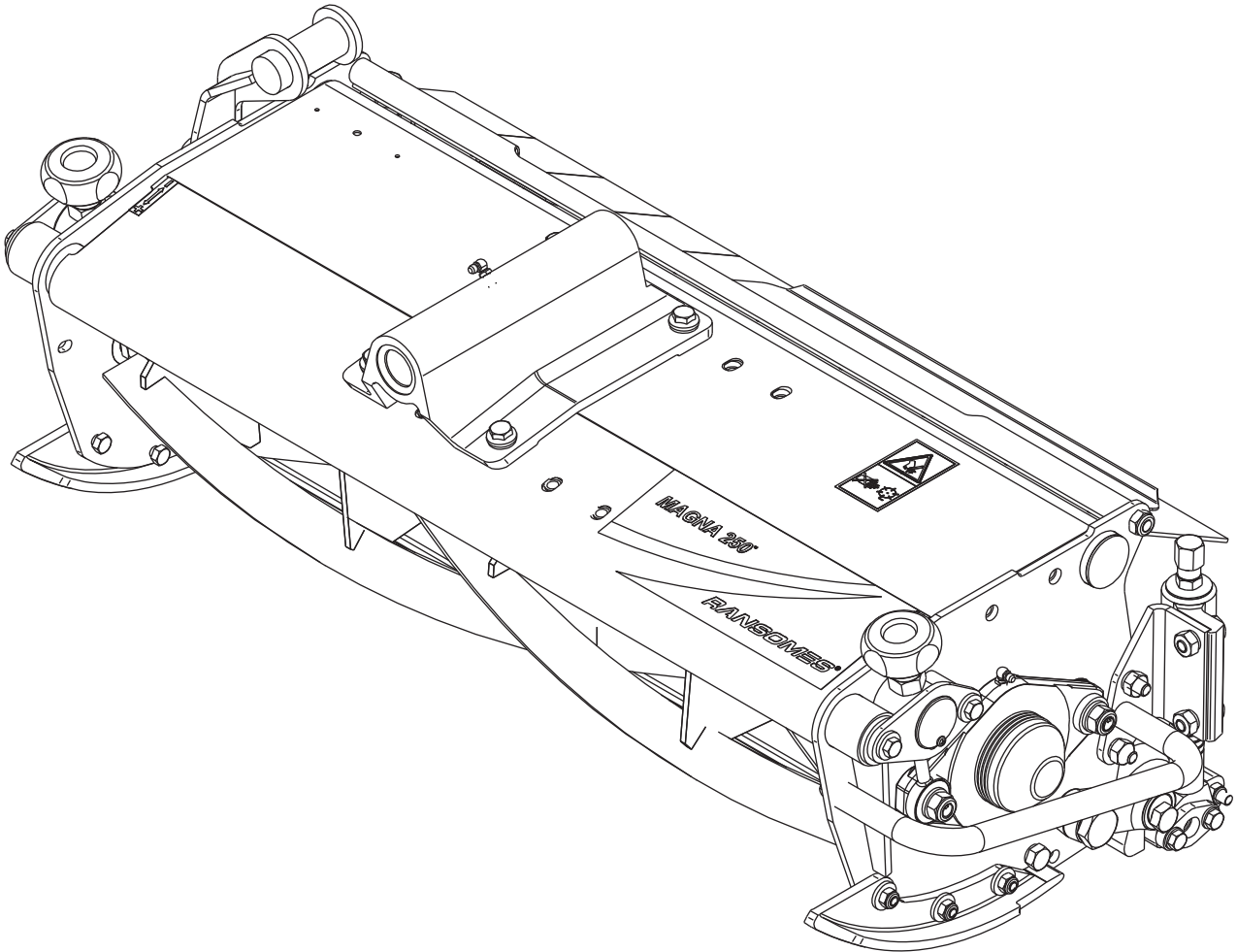


## SPORT 200 - CENTRE UNIT STOPS

ITEM	PART NO.	DESCRIPTION	QTY.	
1	450120398	Nut-hex 3/8-16, Nyloc Thin	1	
2	450391	Washer - M10 X 21 X 2.2	5	
3	J361723	Bumper Stop	1	
4	450215	Screw - Hex M10-1.5 X 30	4	
5	450412	Lockwasher - M10 X 15.9 X 2.5	4	
6	4136387	Buffer Bracket	1	
7	4232900	Unit Bump Stop	1	
8	4196035	Group - Stops, Centre Unit	1	

MAGNA 250 - CUTTING CYLINDERS AND BOTTOM BLOCK ASSEMBLIES

Illustration Number: LMAC403-L\_magna\_250

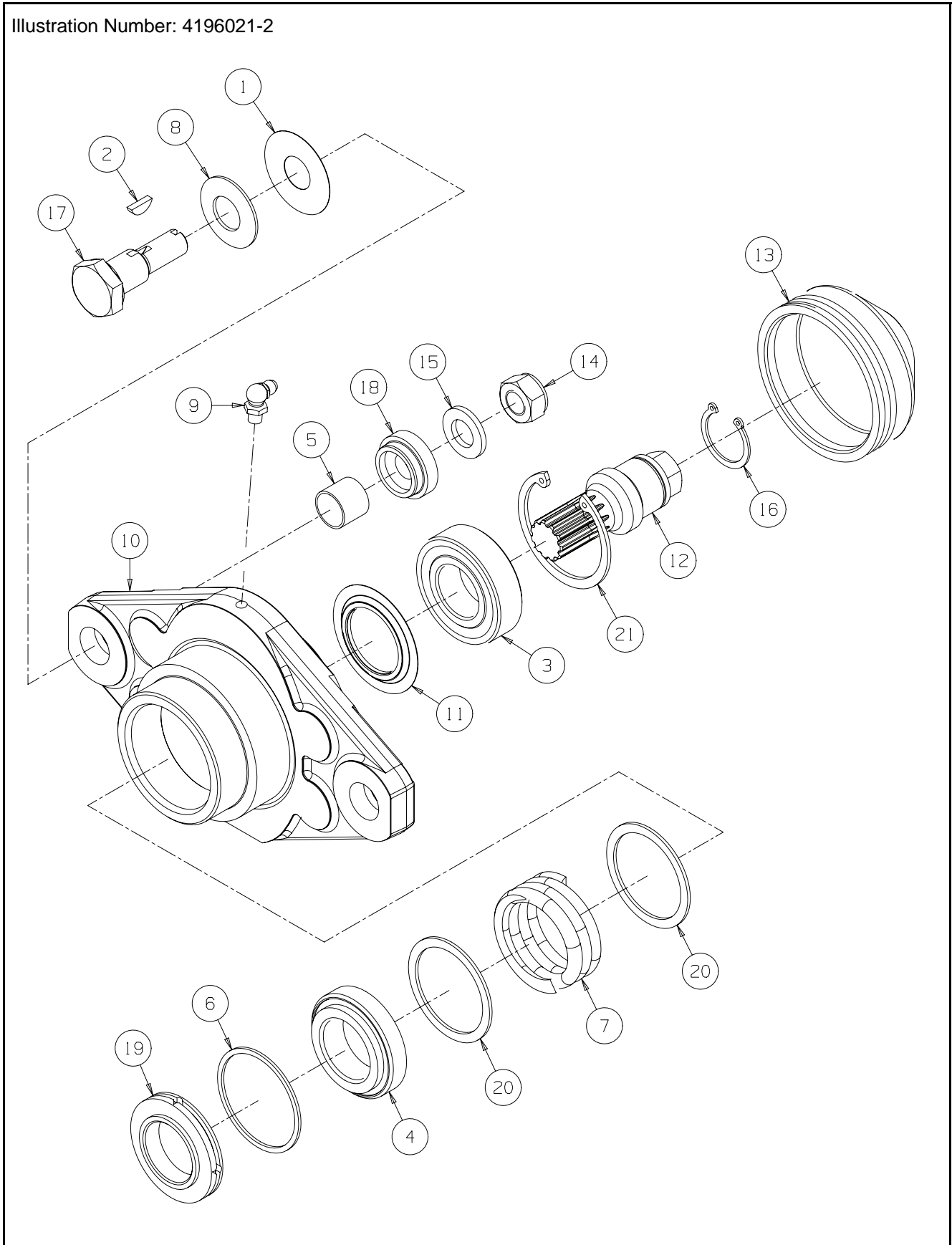


## MAGNA 250 - CUTTING CYLINDERS AND BOTTOM BLOCK ASSEMBLIES

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4231520	Welded Assembly - 10" x 4K Cutting Cylinder	1	
2	4231521	Welded Assembly-10" x 6K Cutting Cylinder	1	
3	4231522	Welded Assembly-10" x 8K Cutting Cylinder	1	
4	MBE1150	Bottom Block and Blade	1	
4*	001190000	• Screw-Countsunk Hd 3/8-16 x 11/16	7	
4*	MBA7024A	• Bottom Blade (Standard)	1	
6*	MBB6448	Assembly - Height of Cut Bar	1	For Fixed Head Units
6*	MBB4624A	• Bar, Height Adjustment	1	
6*	450558	• Screw - Pan Hd M8 x 50	1	
6*	001822089	• Nut - Wing M8	1	

MAGNA 250 - BEARING HOUSING (NON DRIVE SIDE)

Illustration Number: 4196021-2



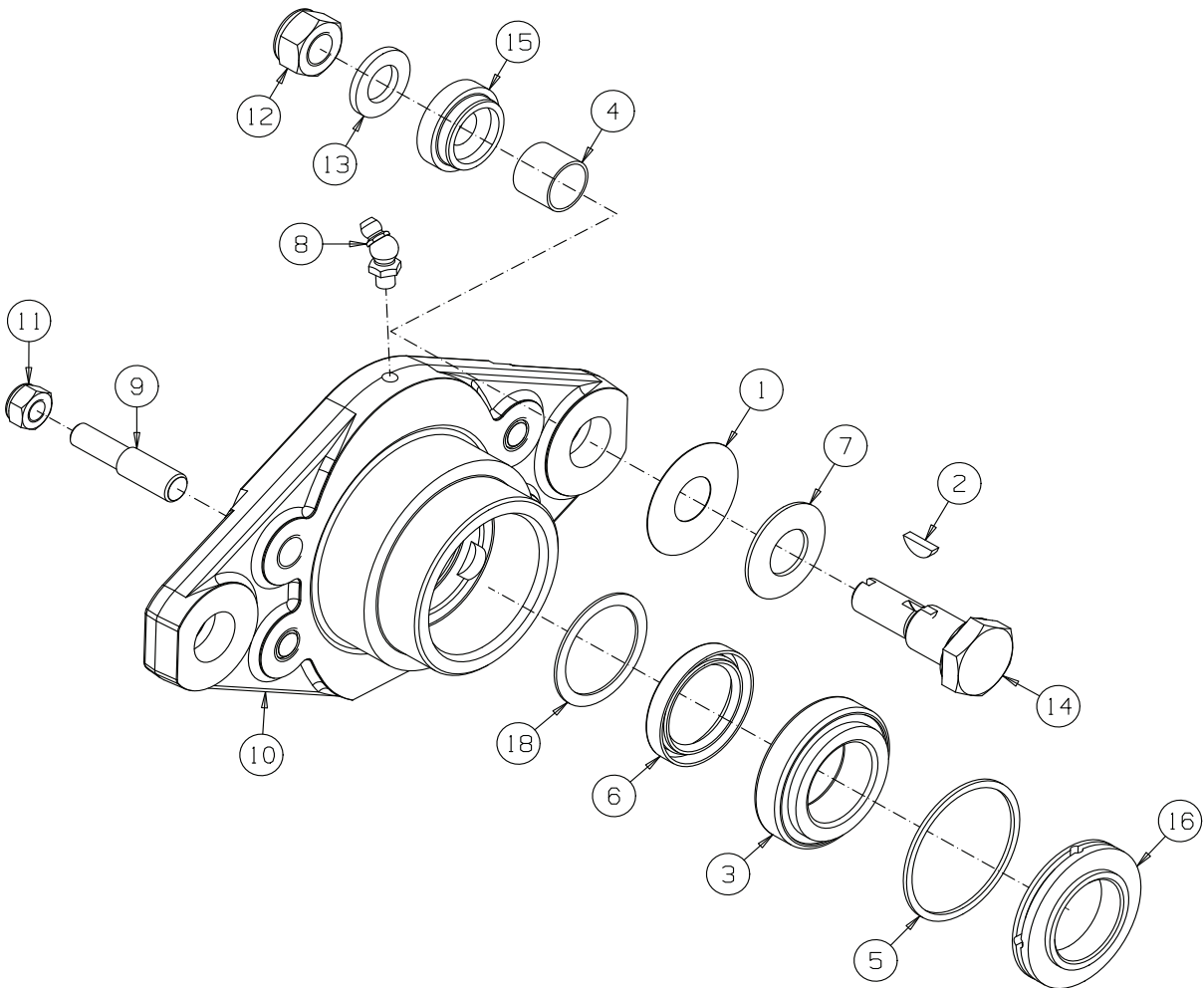
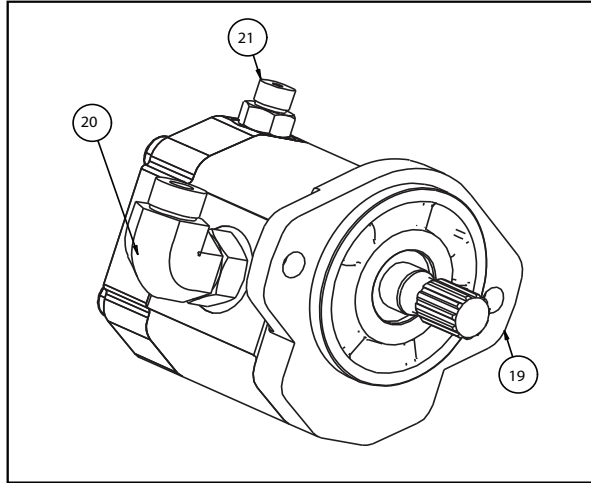


## MAGNA 250 - BEARING HOUSING (NON DRIVE SIDE)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001599913	Washer -16 x 40 x 0.25	1	
2	001634014	Woodruff Key 3 x 5	1	
3	002036057	Bearing-Ball 25 x 52 x 15	1	
4	002090440	Bearing-Taper 1.1417 x 1.98 x .58	1	
5	002193245	Bush-Devol 16 x 18 x 15	1	
6	002300130	Seal Ring	1	
7	002911320	Compression Spring	1	
8	002921222	Spring-Disc 16.3 x 34 x 1.5	1	
9	002993160	Lubricator-M6 x 90°	1	
10	4194301	Bearing Housing (non-drive side)	1	
11	4194780	Nilos Ring	1	
12	4194781	Shaft-Cylinder Drive	1	
13	4195160	Cover-Bearing Housing	1	
14	450380	Nut -Hex M12 Nyloc	1	
15	450392	Washer -M12 x 24 x 2.7	1	
16	452050	Circlip-Ext 25 x 1.2 T	1	
17	MBC8191B	Pivot Pin	1	
18	MBE0359	Collar	1	
19	MBE2231	Ring Carrier	1	
20	MBG4955	Collar	2	
21	451982	Circlip-Int 52 x 2 T	1	

MAGNA 250 - BEARING HOUSING (DRIVE SIDE)

Illustration Number: 4196020-2

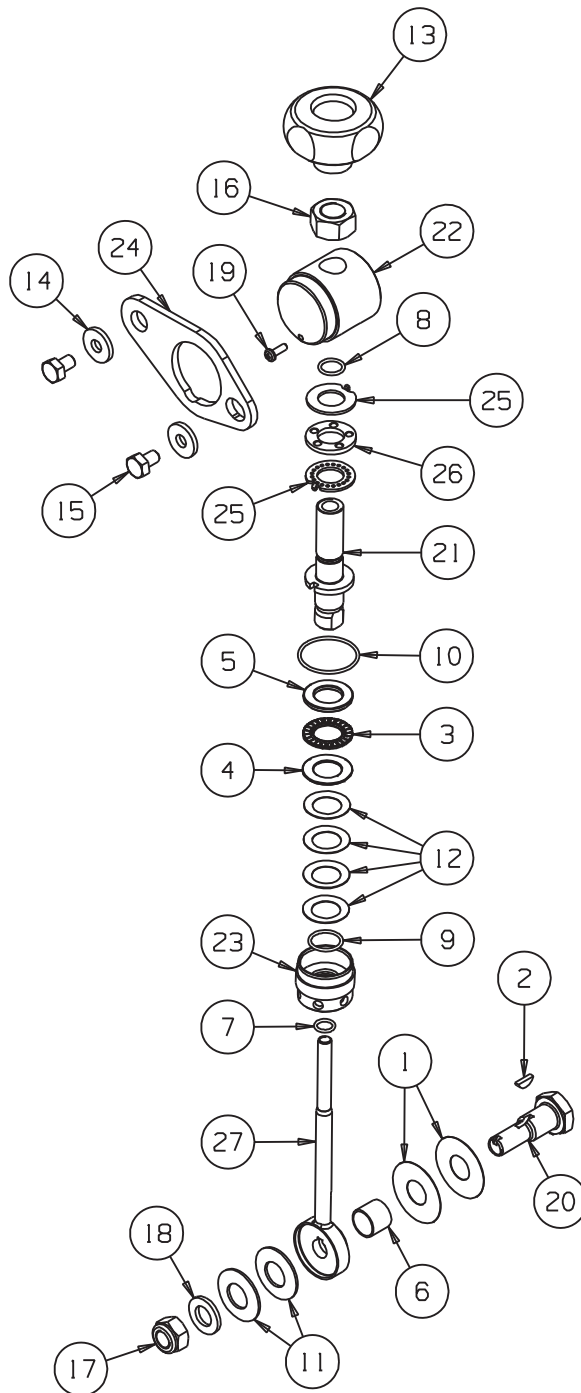


## MAGNA 250 - BEARING HOUSING (DRIVE SIDE)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001599913	Washer-16 x 40 x 0.25	1	
2	001634014	Woodruff Key 3 x 5	1	
3	002090440	Bearing-Taper 1.1417 x 1.98 x .58	1	
4	002193245	Bush-Devol 16 x 18 x 15	1	
5	002300130	Seal Ring	1	
6	002300190	Oil Seal -1.1/8 x 1.5/8 x 1/4	1	
7	002921222	Spring - Disc 16.3 x 34 x 1.5	1	
8	002993063	Lubricator - M6 x 45°	1	
9	2203039	Stud	2	
10	4194300	Bearing Housing (drive side)	1	
11	450378	Nut - Hex M8 Nyloc	2	
12	450380	Nut - Hex M12 Nyloc	1	
13	450392	Washer - M12 x 24 x 2.7	1	
14	MBC8191B	Pivot Pin	1	
15	MBE0359	Collar	1	
16	MBE2231	Ring Carrier	1	
17	001993020	Insert - Helicoil M10 x 1.5D	4	
18	MBE4676	Spacer	1	
*	4220520	Hydraulic Motor	1	
19	4281531	Hydraulic Motor 14.6 cc	1	
*	4179500	• Seal Kit	1	
20	4257271	90° M/M 13/16 ORS x 7/8 SAE	2	
*	158061-02	• O Ring (For 13/16 ORS)	1	
	002218104	• O Ring (For 7/8' SAE)	1	
21	158006-15	Fitting 9/16 ORS x 9/16 SAE	1	
*	158061-18	• O Ring (For 9/16 ORS)	1	
*	002218065	• O Ring (For 9/16 SAE)	1	

MAGNA 250 - CYLINDER ADJUSTER (HAND)

Illustration Number: 4231962-2\_magna\_cyl\_adj\_hand

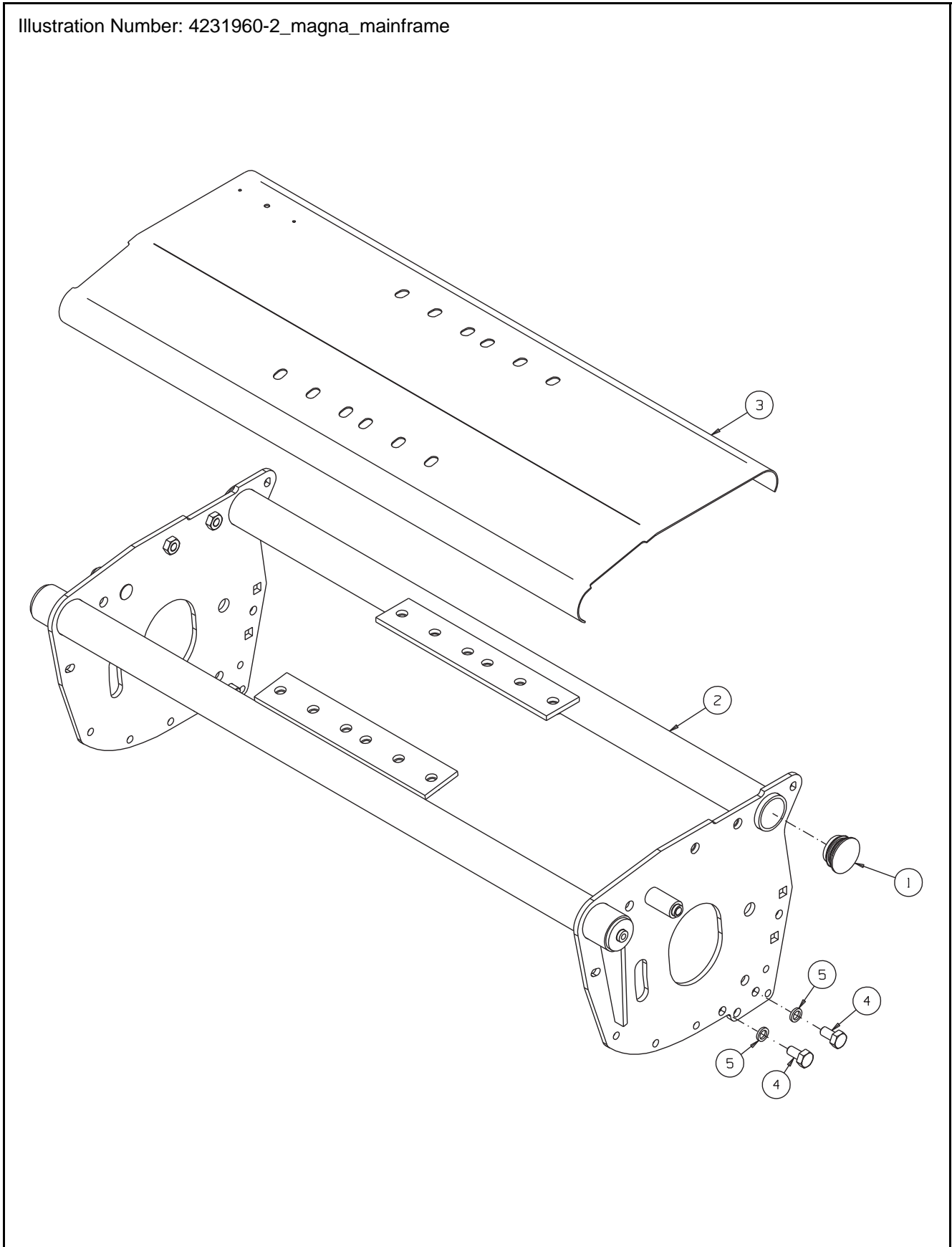


## MAGNA 250 - CYLINDER ADJUSTER (HAND)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001599913	Washer-16 X 40 X 0.25	2	
2	001634014	Woodruff Key 3 X 5	1	
3	002075299	Thrust Bearing	1	
4	002075304	Thrust Washer	1	
5	002075312	Thrust Washer	1	
6	002193245	Bush - Devol 16 X 18 X 15	1	
7	002210122	O - Ring 9.25 Id X 1.78 Sect	1	
8	002210148	O - Ring 12.42 Id X 1.78 Sect	1	
9	002210172	O - Ring 17.16 Id X 1.78 Sect	1	
10	002210279	O - Ring 33.05 Id X 1.78 Sect	1	
11	002921222	Spring - Disc 16.3 X 34 X 1.5	2	
12	002922935	Spring - Disc 17.3 X 27.7 X 0.4	4	
13	4210880	Hand Wheel - Cylinder Adjustment	1	
14	009072070	Washer-m8 X 22 X 3	2	
15	450188	Screw - Hex M8 X 12	2	
16	450327	Nut - Hex M16	1	
17	450380	Nut - Hex M12 Nyloc	1	
18	450392	Washer - M12 X 24 X 2.7	1	
19	450517	Screw - Pan Hd M4 X 12	1	
20	Mbc8191b	Pivot Pin	1	
21	Mbc9699a	Adjusting Nut	1	
22	Mbc9706b	Trunnion	1	
23	Mbc9814b	Gland Nut	1	
24	Mbc9905a	Plate	1	
25	Mbe0376	Cam Ring	2	
26	Mbe0473a	Ball & Cage Assembly	1	
27	Mbe0270	Adjusting Rod	1	

MAGNA 250 - MAINFRAME

Illustration Number: 4231960-2\_magna\_mainframe

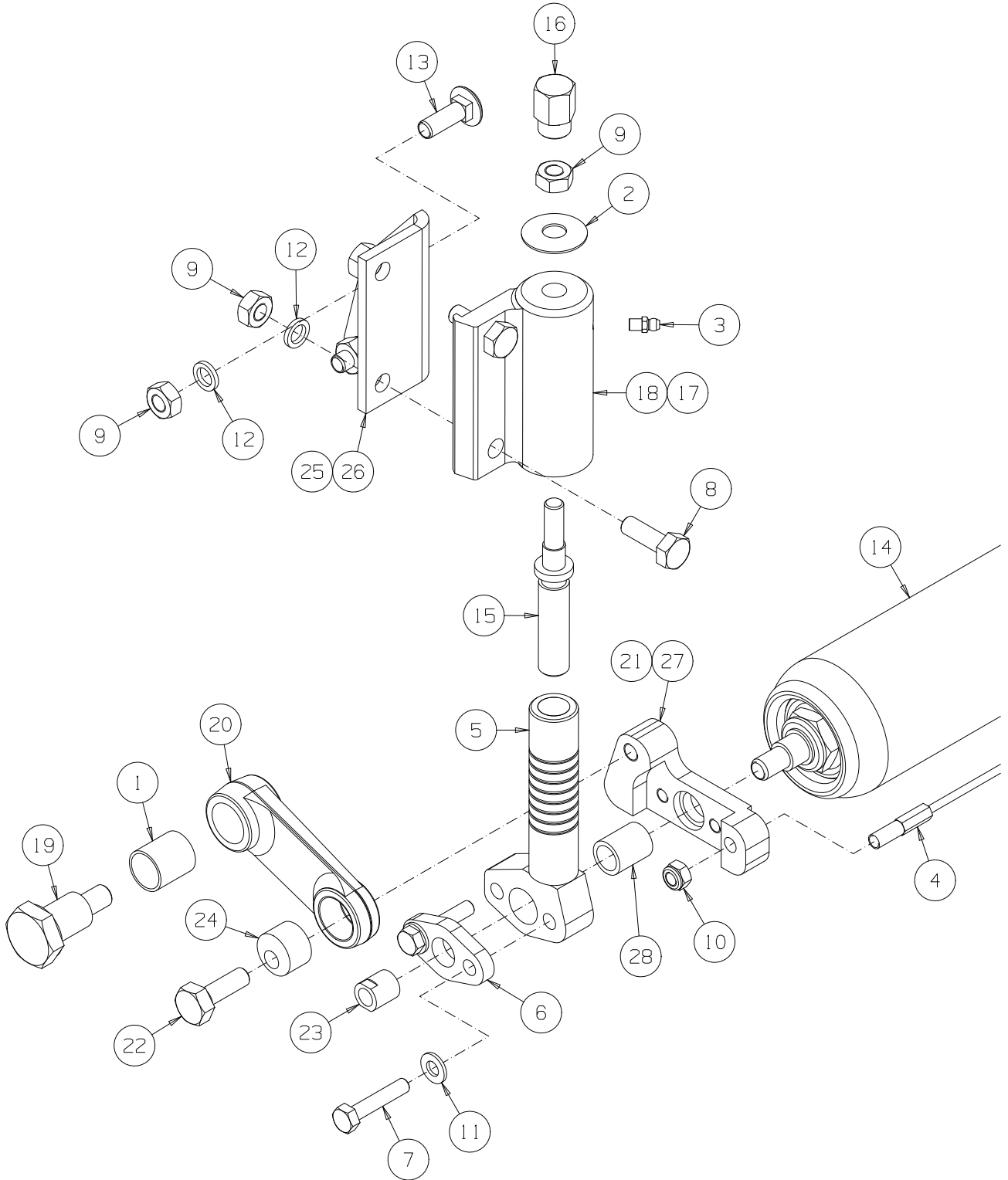


## MAGNA 250 - MAINFRAME

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002952748	End Plug	2	
2	4231660	Welded Assembly - Frame, Magna 250	1	
3	4231980	Top Cover - Magna 250	1	
4	450213	Screw - Hex M10 X 20	4	
5	450412	Lockwasher - M10 X 15.9 X 2.5	4	

MAGNA 250 - REAR ROLL ADJUSTER (SPANNER)

Illustration Number: 4196025-2



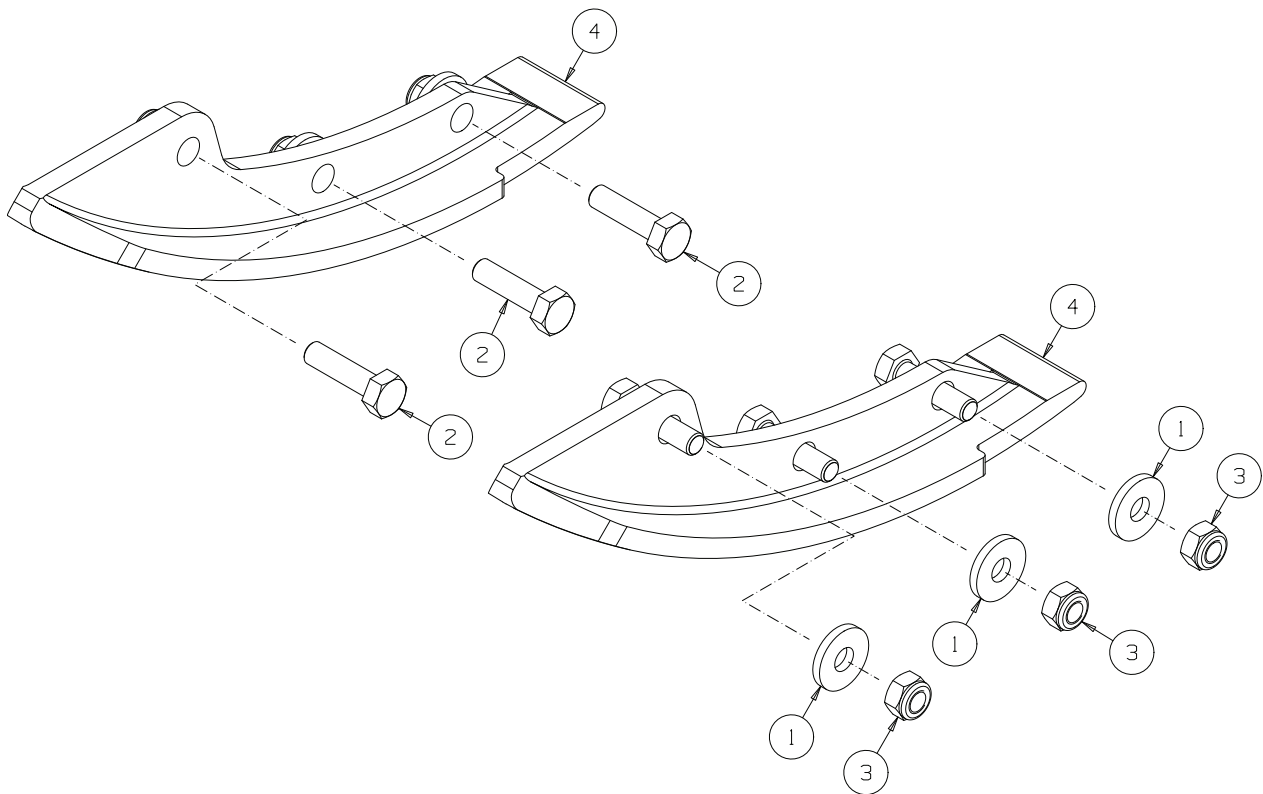


## MAGNA 250 - REAR ROLL ADJUSTER (SPANNER)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002193237	Bush-Nylon 23 x 20 x 25	2	
2	002921214	Spring - Disc 12.3 x 34 x 1.25	2	
3	002993013	Lubricator - M6 Straight	2	
4	009067120	Scraper Wire	1	
5	4119718	Skid Mounting Assembly	2	
6	4119721	Outer Plate	2	
7	450016	Bolt - Hex M8 x 40	4	
8	450215	Screw - Hex M10 x 30	4	
9	450325	Nut - Hex M10	10	
10	450378	Nut - Hex M8 Nyloc	2	
11	450390	Washer - M8 x 17 x 1.8	4	
12	450412	Lockwasher - M10 x 15.9 x 2.65	8	
13	452586	Bolt - Carriage M10 x 30	4	
14	LMAC074A	Roller - 76 x 784 Plain	1	
15	MBB2579A	Screw	2	
16	469023724	Adjuster	2	
17	MBB6817	Outer Sleeve LH	1	
18	MBB6818	Outer Sleeve RH	1	
19	MBC8156A	Pin	2	
20	MBC9333C	Lever	2	
21	4119719	Support Plate RH	1	
22	MBF1421	Clamp Bolt-Eccentric	2	
23	MBF1693	Rear Roll Sleeve	2	
24	MBG2168A	Eccentric Bush	2	
25	MBG3969A	Bracket - Rear Roll LH	1	
26	MBG3970A	Bracket - Rear Roll RH	1	
27	4119720	Support Plate LH	1	
28	649004633	Bush	2	

MAGNA 250 - SKID MOUNTING

Illustration Number:4196027

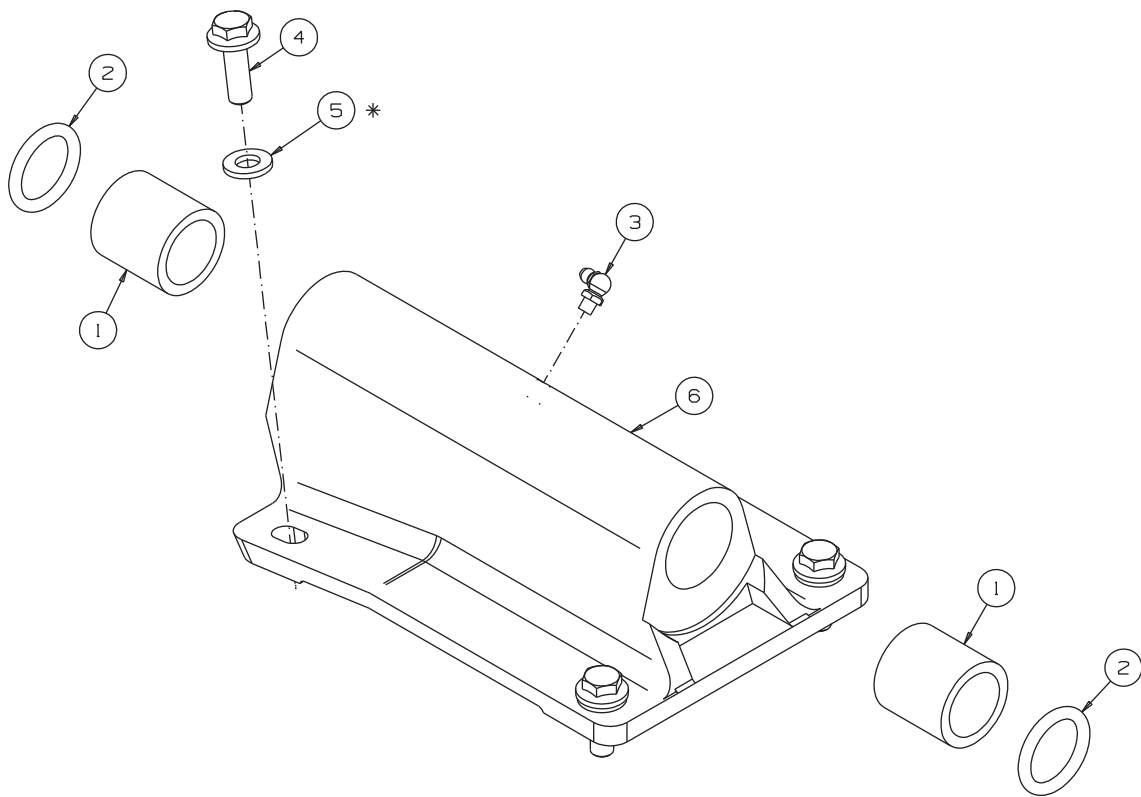


## MAGNA 250 - SKID MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	009072070	Washer - M8 x 22 x 3	6	
2	450014	Bolt - Hex M8 x 30	6	
3	450378	Nut - Hex M6 Nyloc	6	
4	MBC8985	Skid	2	

MAGNA 250 - FIXED HEAD MOUNTING

Illustration Number: 4231961-2\_magna\_unit\_mtg

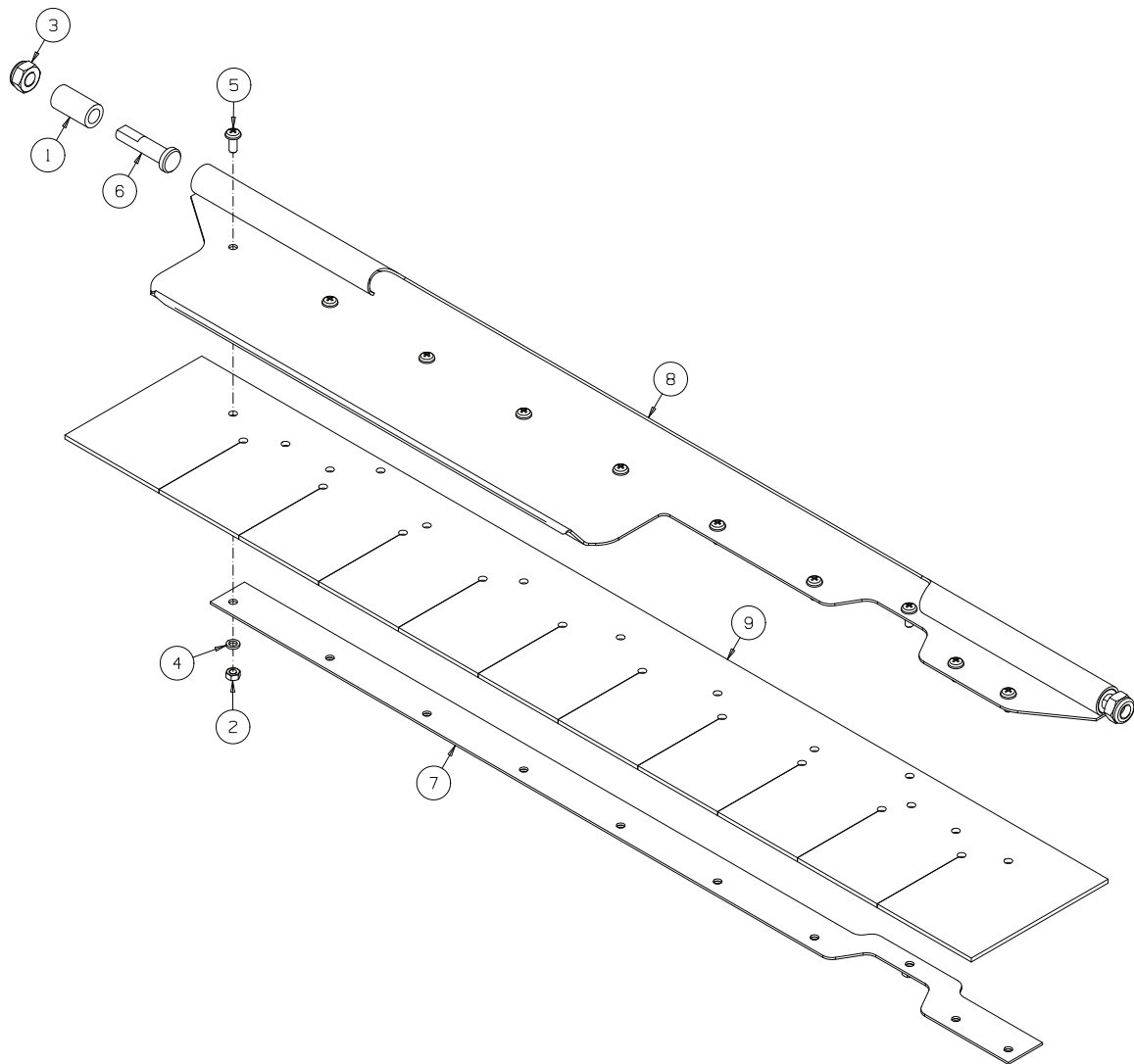


## MAGNA 250 - FIXED HEAD MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002193318	Bush - Nylon 40 X 30 X 40	2	
2	002213219	O - Ring 30 X 40 X 5.34	2	
3	002993160	Lubricator - M6 X 90	1	
4	4224900	Screw - M10 X 30, Hex Flange	4	
5	4224901	Av Washer-10.7 X 21 X 2.5	4	
6	MBE0021A	Pivot Bracket	1	

MAGNA 250 - DEFLECTOR LH

Illustration Number: 4196030-2



## MAGNA 250 - DEFLECTOR LH

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002983832	Spacer	2	
2	450322	Nu t - Hex M5	10	
3	450379	Nut - Hex M10 Nyloc	2	
4	450409	Lockwasher - M5 x 8.55 x 1.6	10	
5	450526	Screw - Pan Hd M5 x 12	10	
6	MBC8956A	Bolt	2	
7	4224400	Deflector Strip	1	
8	MBG2029A	Deflector LH	1	
9	MBG5231	Flap - Deflector	1	



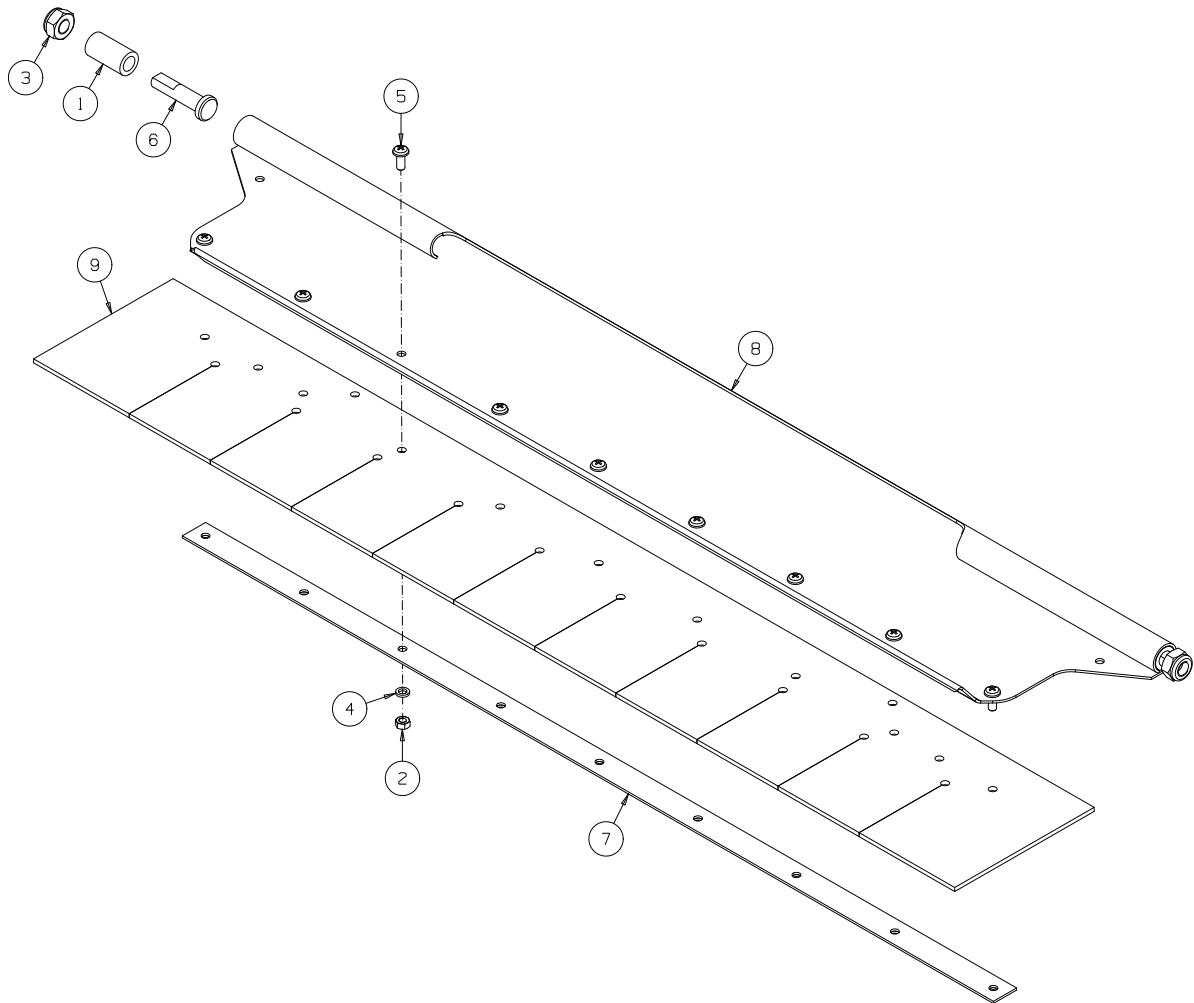


## MAGNA 250 - DEFLECTOR RH

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002983832	Spacer	2	
2	450322	Nu t -Hex M5	10	
3	450379	Nut - Hex M10 Nyloc	2	
4	450409	Lockwasher - M5 x 8.55 x 1.6	10	
5	450526	Screw - Pan Hd M5 x 12	10	
6	MBC8956A	Bolt	2	
7	4224400	Deflector Strip	1	
8	MBG2028A	Deflector RH	1	
9	MBG5231	Flap - Deflector	1	

MAGNA 250 - CENTRE DEFLECTOR

Illustration Number:4196032-2

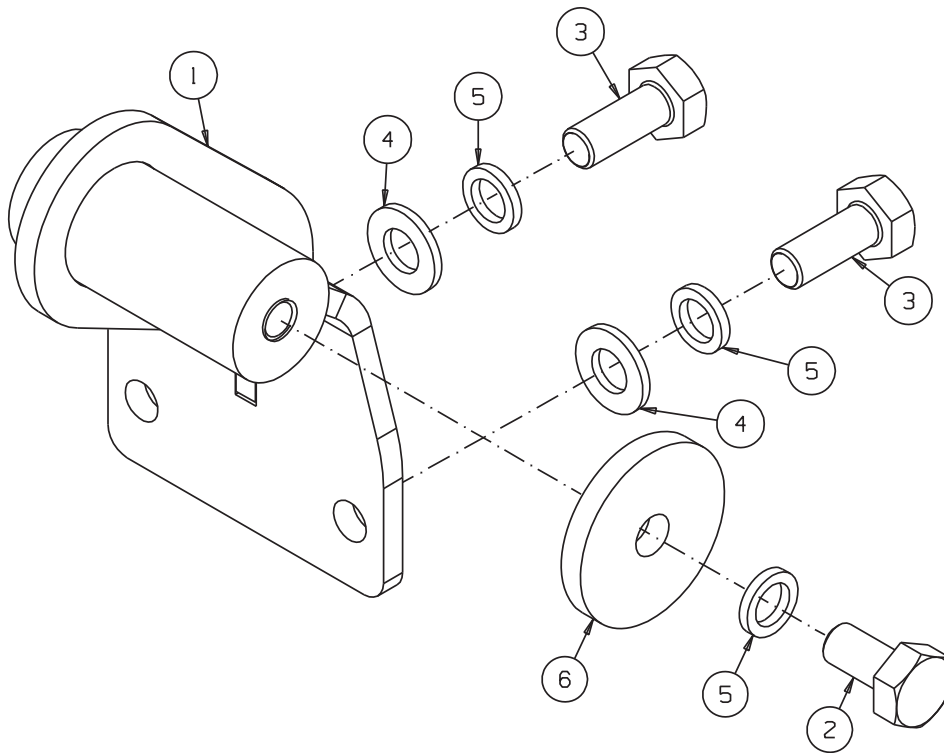


## MAGNA 250 - CENTRE DEFLECTOR

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002983832	Spacer	2	
2	450322	Nu t -Hex M5	9	
3	450379	Nut - Hex M10 Nyloc	2	
4	450409	Lockwasher - M5 x 8.55 x 1.6	9	
5	450526	Screw - Pan Hd M5 x 12	9	
6	MBC8956A	Bolt	2	
7	MBE4613	Deflector Strip	1	
8	MBE4612	Deflector	1	
9	MBG5231	Flap - Deflector	1	

MAGNA 250 - LH CUTTING UNIT PIN

Illustration Number: 4244930\_magna\_pin\_lh

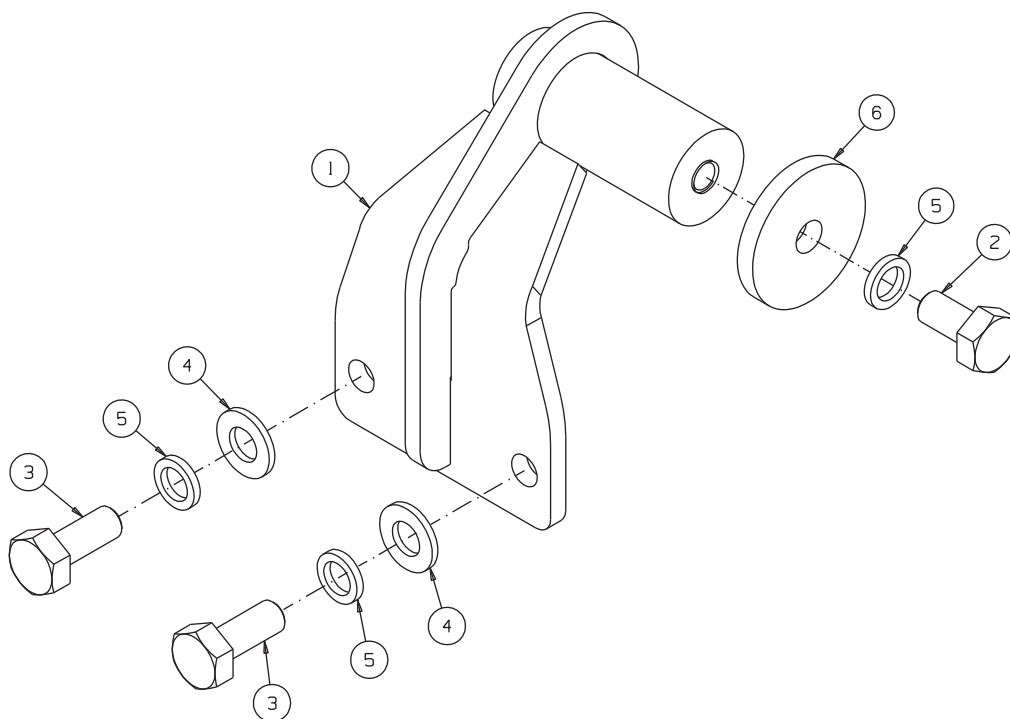


## MAGNA 250 - LH CUTTING UNIT PIN

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4244932	Welded Assembly - Cutting Unit Pin, LH	1	
2	450213	Screw - Hex M10 X 20	1	
3	450214	Screw - Hex M10 X 25	2	
4	450391	Washer - M10 X 21 X 2.2	2	
5	450412	Lockwasher - M10 X 15.9 X 2.5	3	
6	MBE0115	Washer	1	

MAGNA 250 - RH CUTTING UNIT PIN

Illustration Number: 4244931\_magna\_pin\_rh

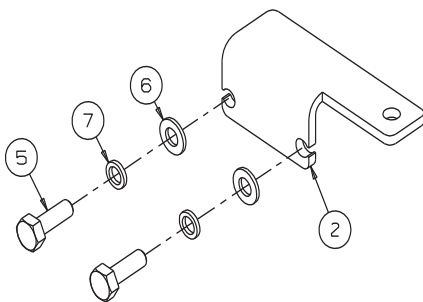
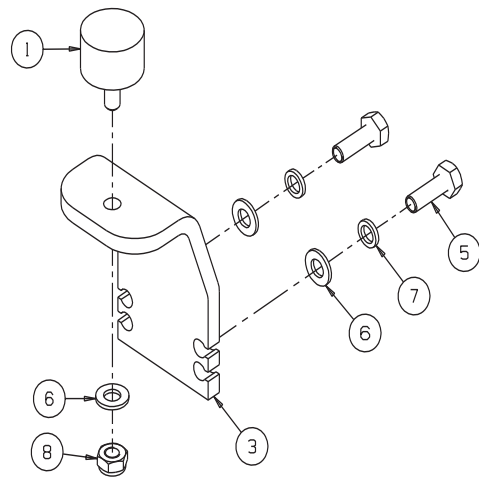


## MAGNA 250 - RH CUTTING UNIT PIN

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4244933	Welded Assembly - Cutting Unit Pin, RH	1	
2	450213	Screw - Hex M10 X 20	1	
3	450214	Screw - Hex M10 X 25	2	
4	450391	Washer - M10 X 21 X 2.2	2	
5	450412	Lockwasher - M10 X 15.9 X 2.5	3	
6	MBE0115	Washer	1	

MAGNA 250 - CENTRE UNIT STOPS

Illustration Number: 4231964\_magna\_centre\_unit\_stop



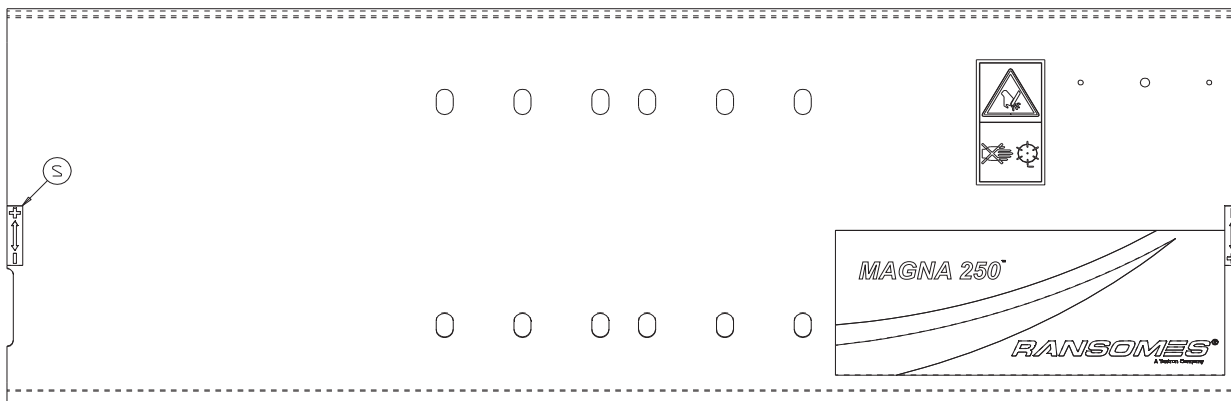
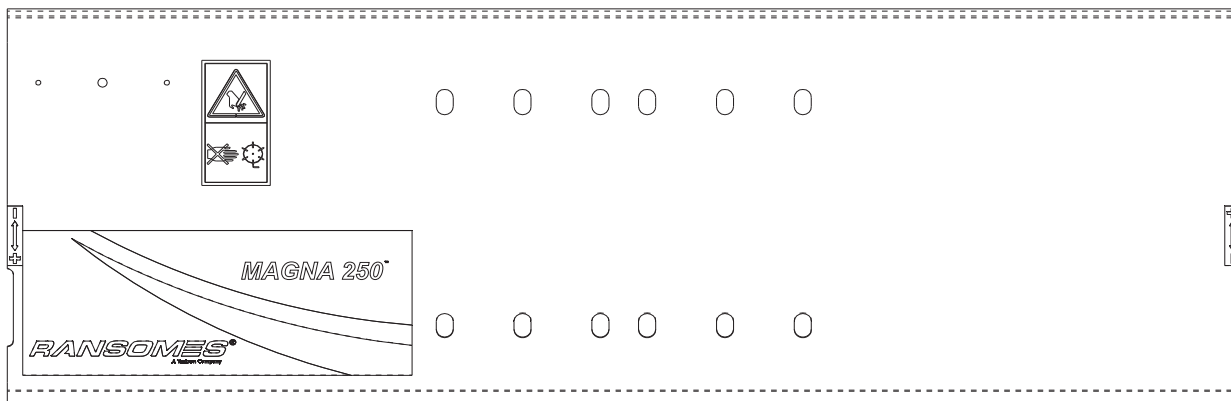
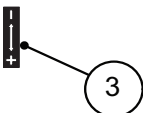
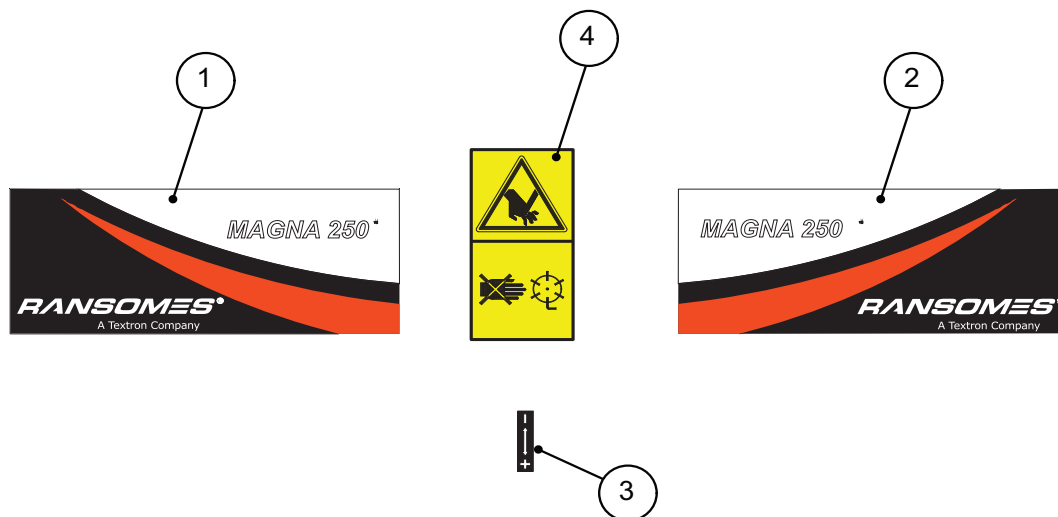


## MAGNA 250 - CENTRE UNIT STOPS

ITEM	PART NO.	DESCRIPTION	QTY.	
1	002994060	Rubber Mount	1	
2	4232900	Unit Bumpstop	1	
3	4240363	Bracket - RH Center Bump Stop	1	
5	450215	Screw - Hex M10-1.5 X 30, Gr 8.8	4	
6	450391	Washer - M10 X 21 X 2.2	5	
7	450412	Lockwasher - M10 X 15.9 X 2.5	4	
8	450379	Nut - Hex M10-1.5, Gr 8, Nyloc	1	

MAGNA 250 - DECALS

Illustration Number: 4246210\_magna\_decals

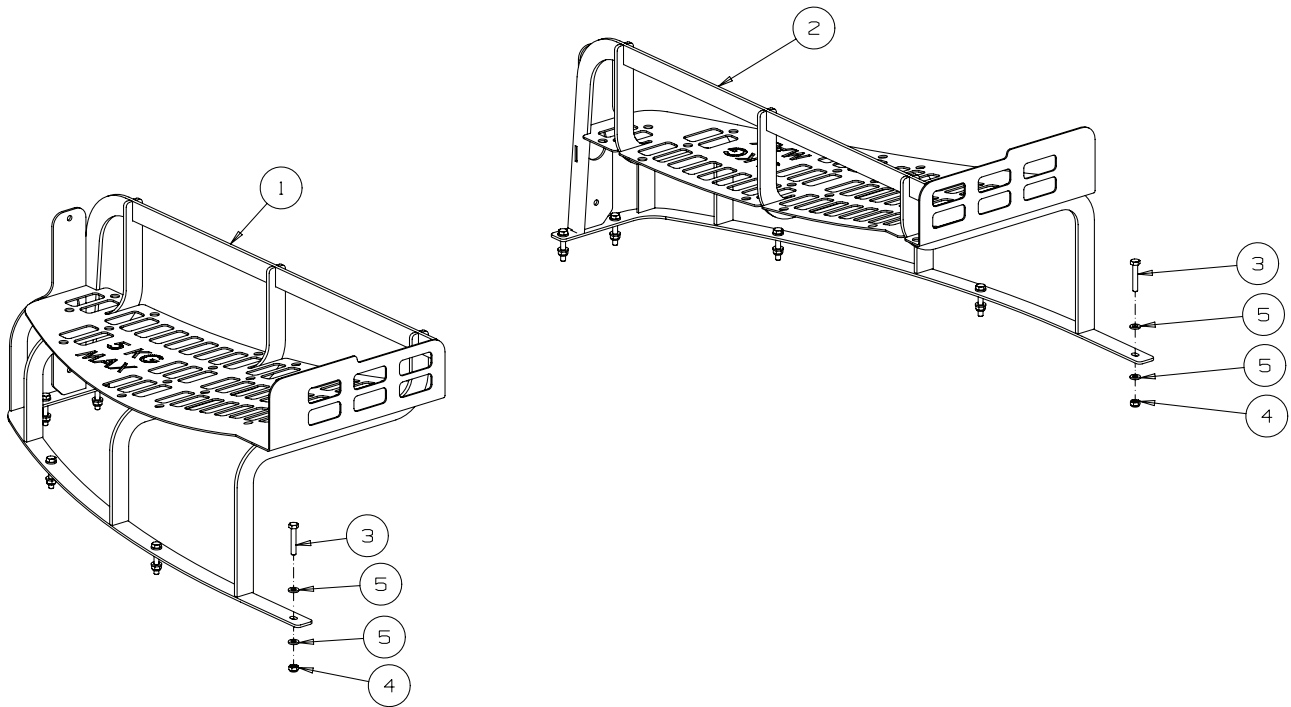


## MAGNA 250 - DECALS

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4251911	Decal - Ransomes Magna 250 (RH)	1	
2	4251910	Decal - Ransomes Magna 250 (LH)	1	
3	009034680	Decal (+ & -)	2	
4	009034940	Decal-cylinder Hazard	1	

LMAC272 KIT - STORAGE RACKS

Illustration Number: LMAC391

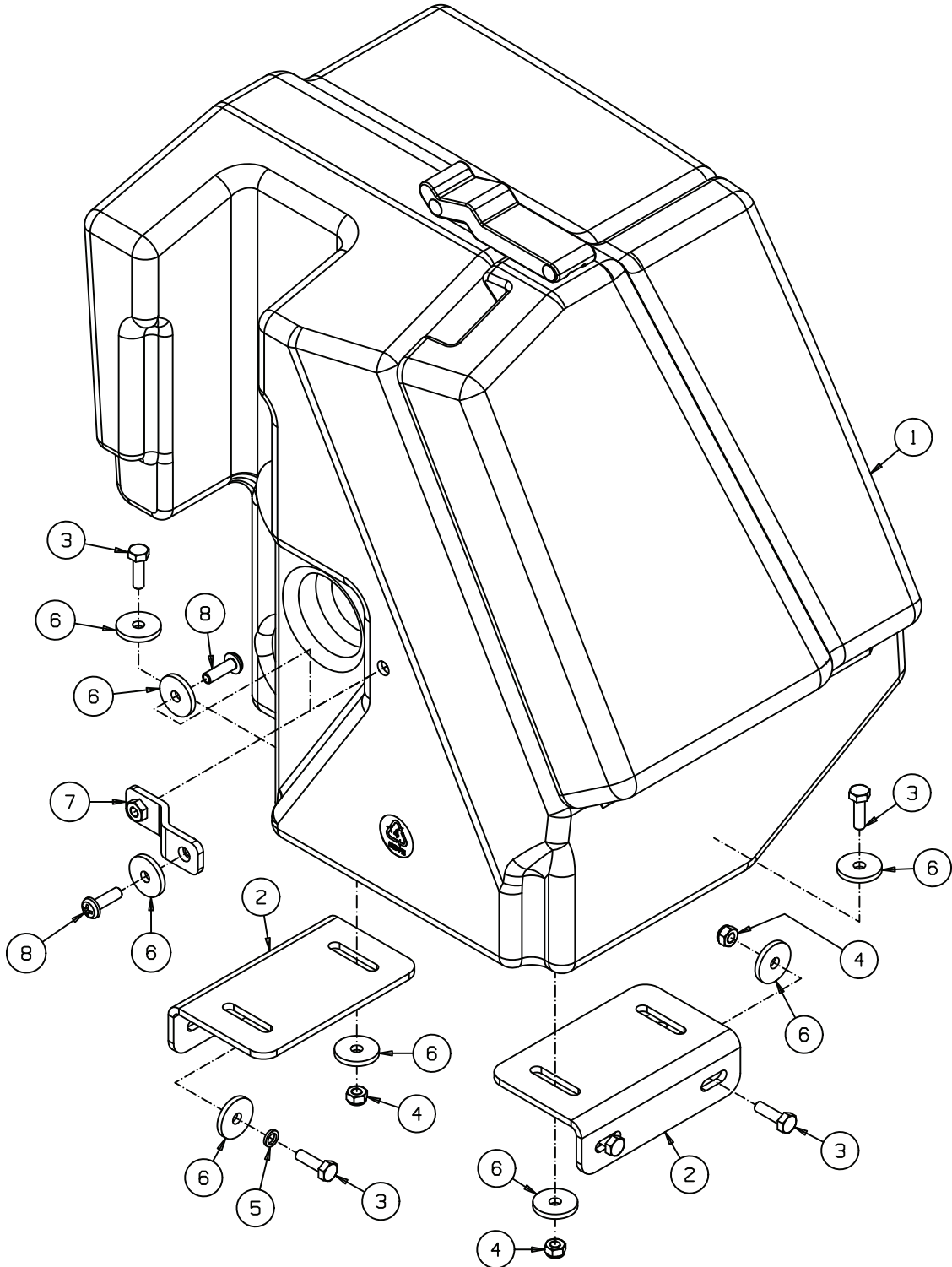


## LMAC272 KIT - STORAGE RACKS

ITEM	PART NO.	DESCRIPTION	QTY.	
	LMAC272	Storage Racks Kit Includes	1	
1	4166260	• Welded Assembly-Storage Rack RH	1	
2	4166261	• Welded Assembly-Storage Rack LH	1	
3	450002	• Bolt-Hex M6 x 35	10	
4	450377	• Nut-M6 Nyloc	10	
5	450389	• Washer M6 x 12.5 x 1.8	20	

LMAC392 KIT-STORAGE BOX

Illustration Number: 4236762-1

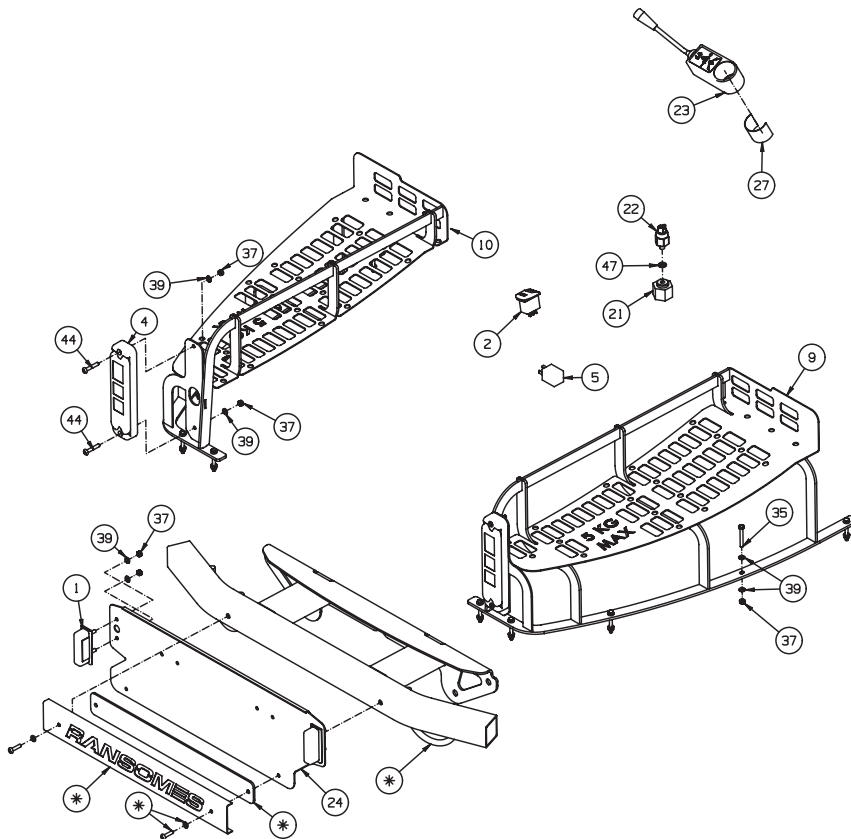
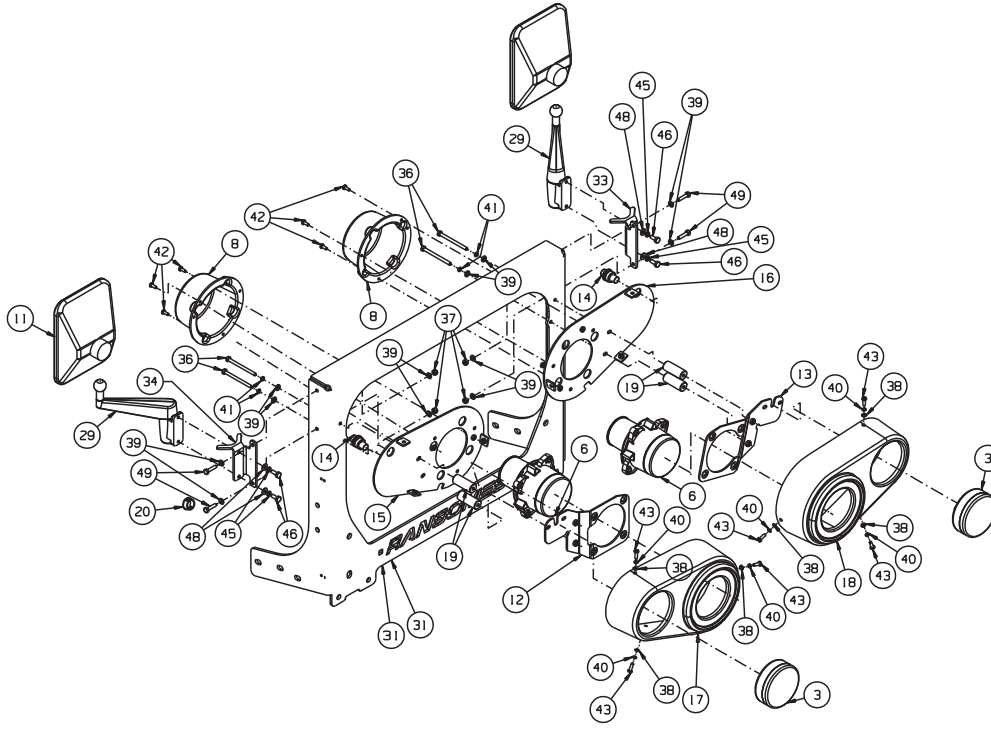


## LMAC392 KIT-STORAGE BOX

ITEM	PART NO.	DESCRIPTION	QTY.	
1	LMAC392	Storage Box Kit includes:		
	4217381	• Fitted Assembly-Storage Box	1	
	2198112	•• Draw Latch	1	
	4217383	•• Lid-Storage Box	1	
	4217384	•• Hinge-Storage Box	2	
2	4220300	• Bracket-Mtg, Storage Box	2	
3	450171	• Screw-Hex M6 x 20	7	
4	450377	• Nut-M6 Nyloc	5	
5	450410	• LockWasher-M6 x 9.6 x 1.6	2	
6	MBF0443	• Washer-8.5 x 24 x 3	12	
7	4233720	• Bracket Welded Assembly	1	
8	450542	• Screw-Pan Hd M6 x 20	2	

LMAC496 - KIT-LIGHTS & MIRRORS

Illustration Number: LMAC496-A



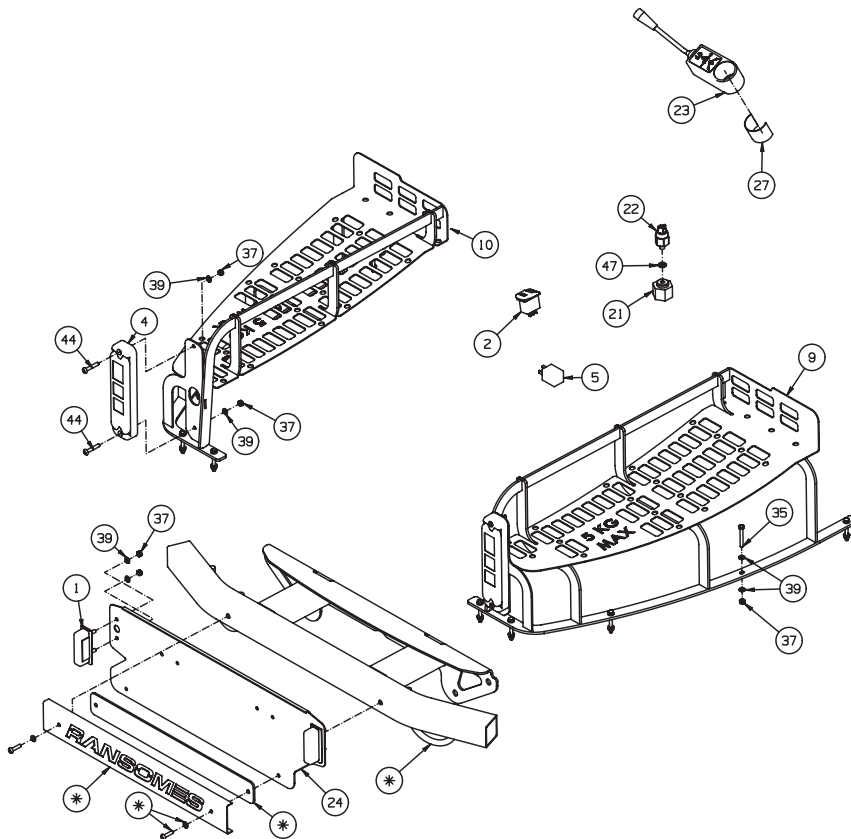
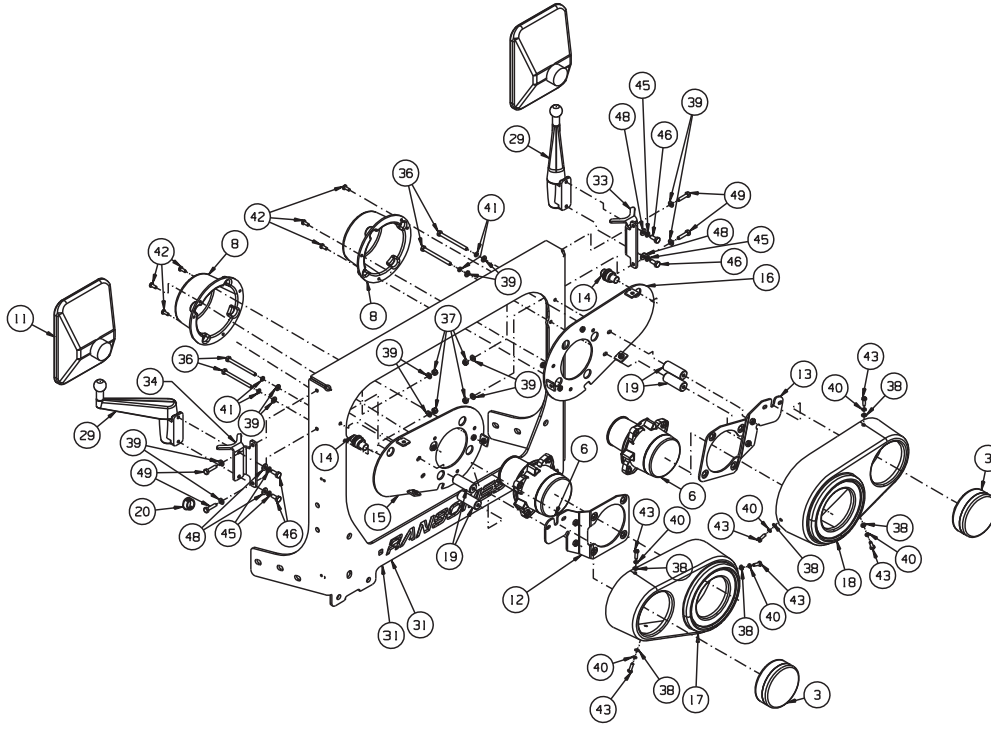


## LMAC496 - KIT-LIGHTS &amp; MIRRORS

ITEM	PART NO.	DESCRIPTION	QTY.	
1	008231811	Light - Number Plate	2	
2	4138892	Hazard Switch	1	
3	4161623	Side Indicator Lamp	2	
4	4161624	Rear Light Cluster	2	
5	4161625	Relay - Flasher	1	
6	4161780	Work/headlamp	2	
7	4161784	Front Lamps Link Loom	2	
8	4165803	Rear Cover - Work/headlamp	2	
9	4166260	Welded Assembly - RH Storage Rack	1	
10	4166261	Welded Assembly - LH Storage Rack	1	
11	4167120	Mirror, Unbreakable	2	
12	4170900	Welded Assembly - RH Light Bracket	1	
13	4170901	Welded Assembly - LH Light Bracket	1	
14	4172461	Indicator Repeater Lens	2	
15	4282575	RH Front Light Backing	1	Welded Assembly
16	4282576	LH Front Light Backing	1	Welded Assembly
17	4175367	Front Cover - Light Cluster RH (72")	1	
18	4175368	Front Cover - Light Cluster LH (72")	1	
19	4175520	Spacer - 20 X 7 X 50	4	
20	4179501	Dome Plug	1	
21	4188360	Test Point - 1/3 BSPP X 1 - 3/16 ORS	1	
22	4198561	Pressure Switch (Brake Lights)	1	
23	4213986	Light Stem/indicator Stalk	1	
24	4221720	Bracket - Number Plate Holder	1	
27	4223820	Anti Slip - Indicator Stalk	1	
28	4224000	Loom - Number Plate Lights	1	
29	4226040	Mirror Arm	2	
30	4226041	Mirror Adaptor Kit	2	
31	4259530	1 Piece Hard Point	1	
33	4282672	Mirror Stalk Stop - LH	1	
34	4282673	Mirror Stalk Stop RH	1	
35	450004	Bolt - Hex M6 - 1.0 X 45	10	
36	450010	Bolt - Hex M6 - 1.0 X 75	4	
37	450377	Nut - Hex M6 - 1.0, Nyloc	22	
38	450388	Washer - M5 X 10 X 1.1	6	
39	450389	Washer - M6 X 12.5 X 1.8	42	
40	450409	Lockwasher - M5 X 8.55 X 1.5	6	
41	450410	Lockwasher - M6 X 9.6 X 1.5	4	
42	450526	Screw - Pan Hd M5 - 0.8 X 12	6	
43	450528	Screw - Pan Hd M5 - 0.8 X 16	6	
44	450545	Screw - Pan Hd M6 - 1.0 X 35	4	
45	452200029	Lockwasher - 1/4 X .425 X .072	4	
46	456010072	Screw - Hex 1/4 - 28 X 5/8	4	
47	870000065	1/8 BSP Dowty Washer	1	

LMAC496 - KIT-LIGHTS & MIRRORS

Illustration Number: LMAC496-A

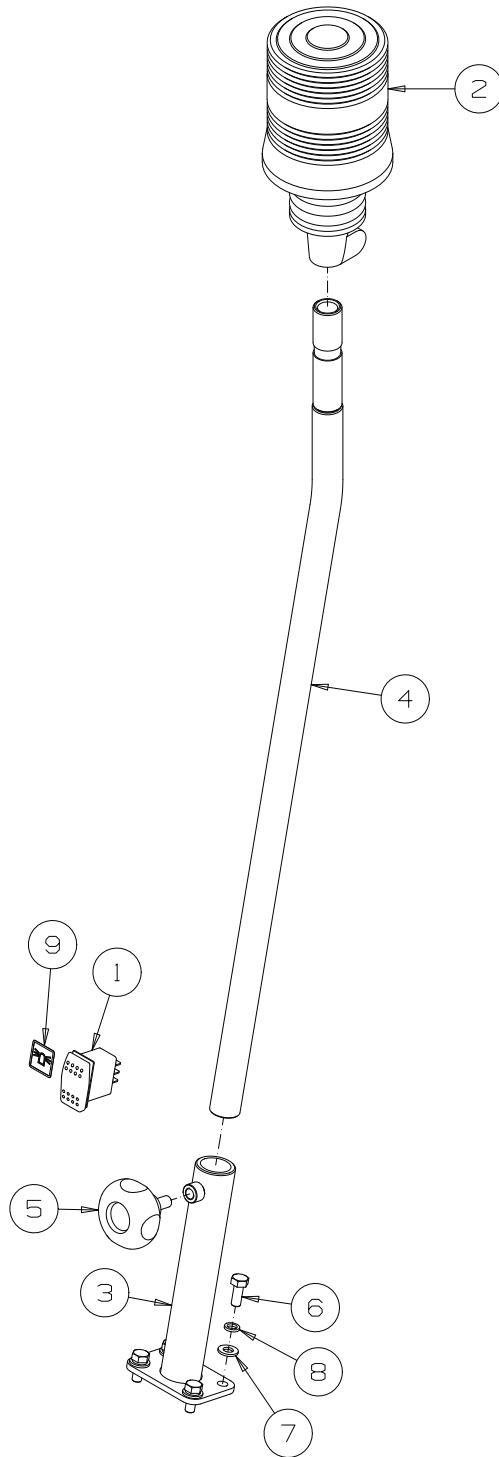


## LMAC496 - KIT-LIGHTS &amp; MIRRORS

ITEM	PART NO.	DESCRIPTION	QTY.	
48	452000211	Washer - 1/4 X 9/16 X .056	4	
50	450172	Screw - Hex M6 - 1.0 X 25	4	
51	001992113	Cable Tie - 140 X 3.6	4	

LMAC383 - KIT-BEACON

Illustration Number: LMAC383

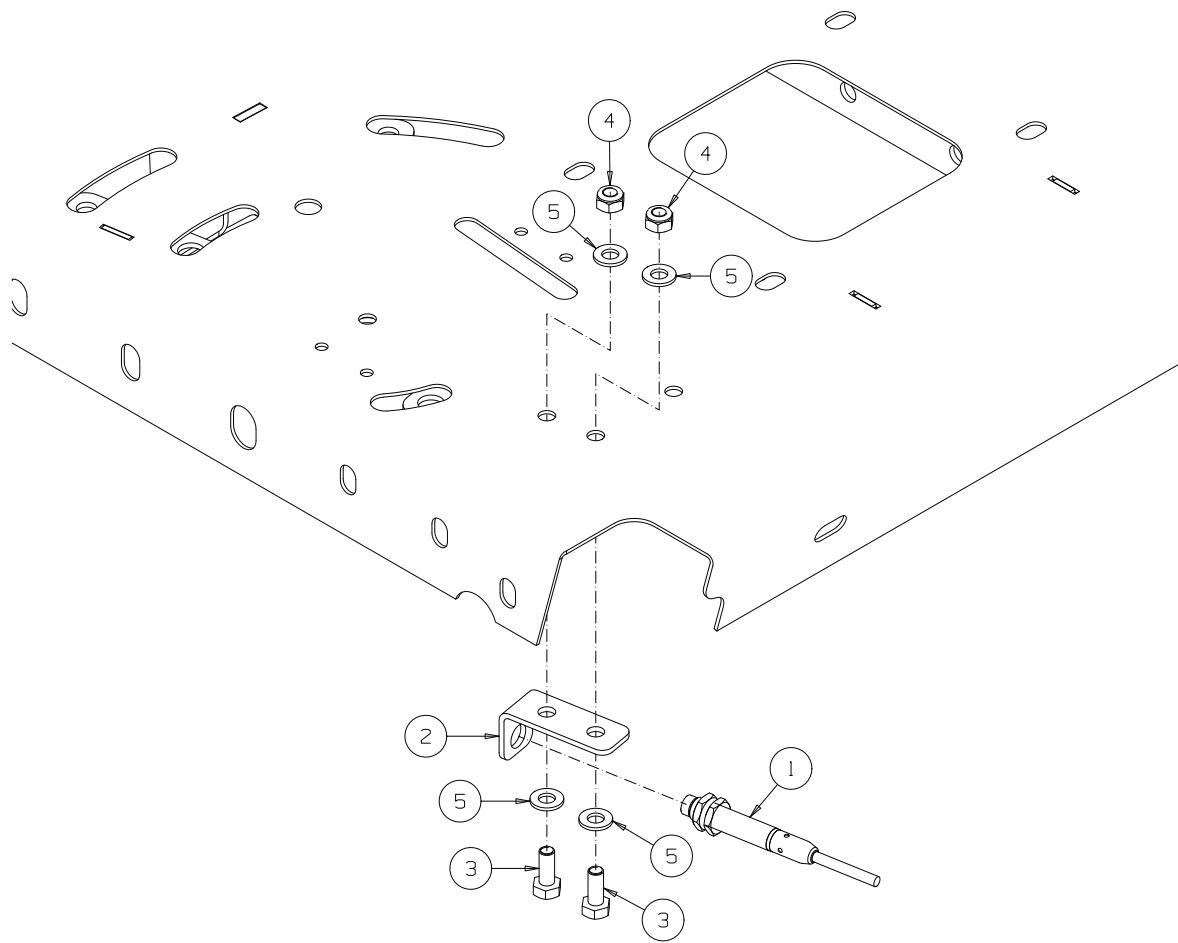


## LMAC383 - KIT-BEACON

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4159220	Beacon Switch-Teal	1	
2	4212126	Beacon On Flex - Mount	1	
3	4222280	Welded Assembly-Beacon Bracket	1	
4	4222460	Welded Assembly-Beacon Pole	1	
5	4223720	Knob-M10x20 Male	1	
6	450191	Screw-Hex M8 x 20	4	
7	450390	Washer-M8 x 17 x 1.8	4	
8	450411	Washer-SLW M8	4	
9	4224880	Decal-Beacon	1	
*	4212125	Beacon Wiring Harness	1	Not Illustrated
*	008238460	Beacon Socket	1	Not Illustrated
*	008238470	Rubber Socket Cover	1	Not Illustrated

LMAC396 - KIT-MOW MODE SWITCH

Illustration Number: LMAC396



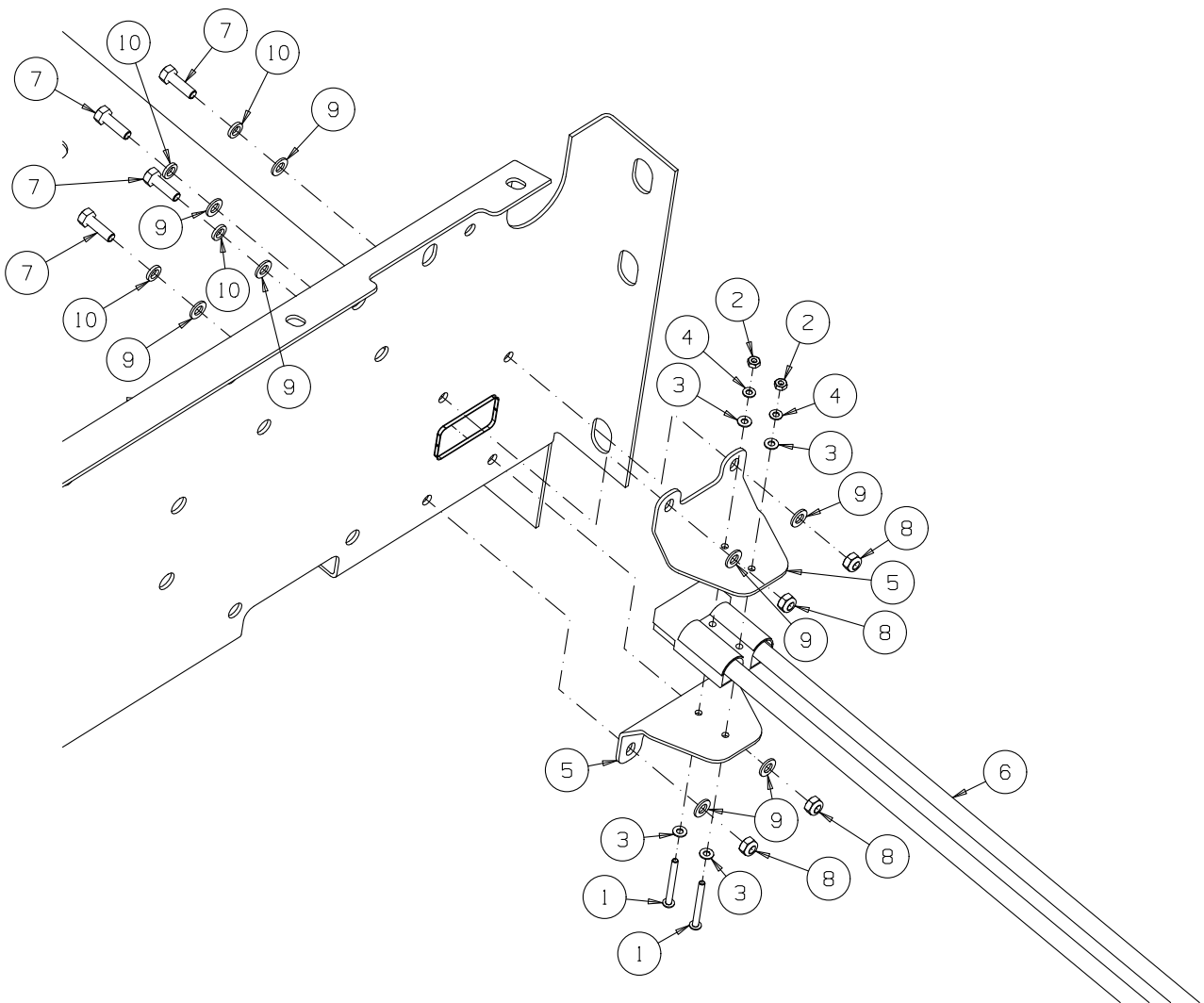
## LMAC396 - KIT-MOW MODE SWITCH

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4197063	Inductive Sensor	1	
2	4223260	Bracket-Speed Selector Switch	1	
3	450191	Screw-Hex M8 x 20	2	
4	450378	Nut-Hex M8 Nyloc	2	
5	450390	Washer-M8 x 17 x 1.8	4	
6*	001992113	Cable Tie-140 x 3.6	2	
7*	4262595	Mow Mode Link Adaptor	1	For HR300 only - Kit LMAC478

\* Not illustrated

JUMP START CABLE (OPTIONAL)

Illustration Number: 4251271\_jump\_start\_cable



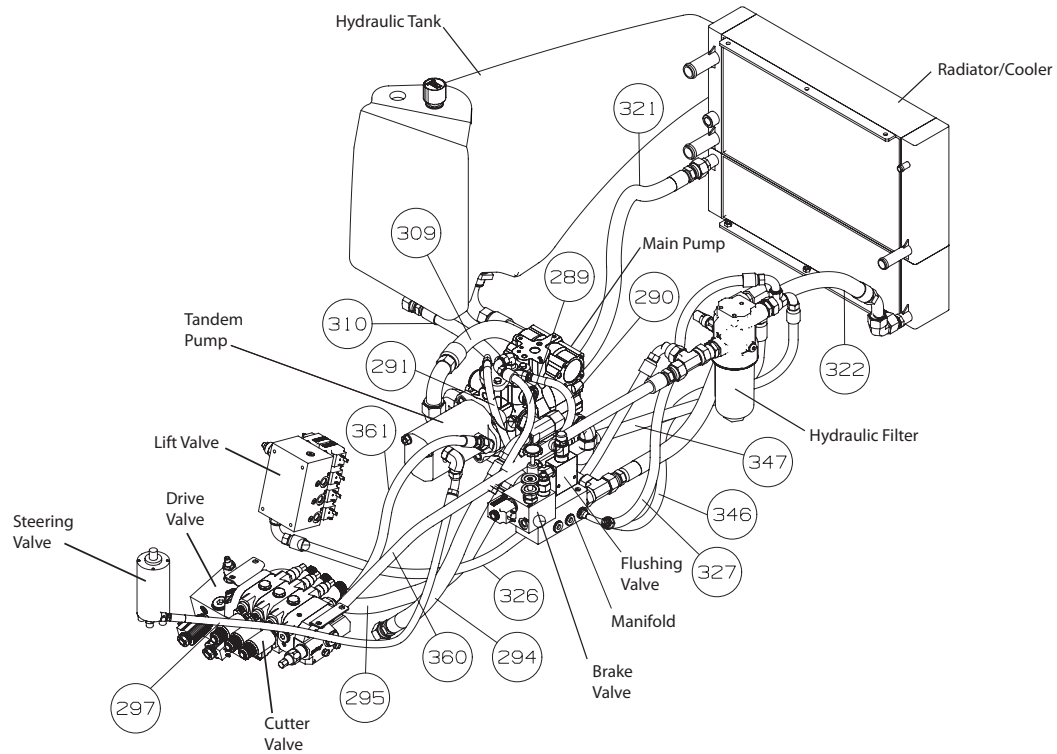


## JUMP START CABLE (OPTIONAL)

ITEM	PART NO.	DESCRIPTION	QTY.	
1	001814310	Screw-Pan Handle M3 x 30	2	
2	001820037	Nut-Hex M3, Brass	2	
3	001830030	Washer-M3 x 7 x 0.6, Brass	4	
4	001863037	Washer-M3 x 6.4 x 0.61 Crinkle	2	
5	4222860	Bracket-Battery Jump Lead	2	
6	4223900	Cable-Jump Start	1	
7	450151	Screw-Hex M5 x 16	4	
8	450376	Nut - Hex M5 Nyloc	4	
9	450388	Washer-M5 x 10 x 1.1	8	
10	450409	Washer-Slow M5	4	

HYDRAULIC SUCTION AND RETURN CIRCUIT

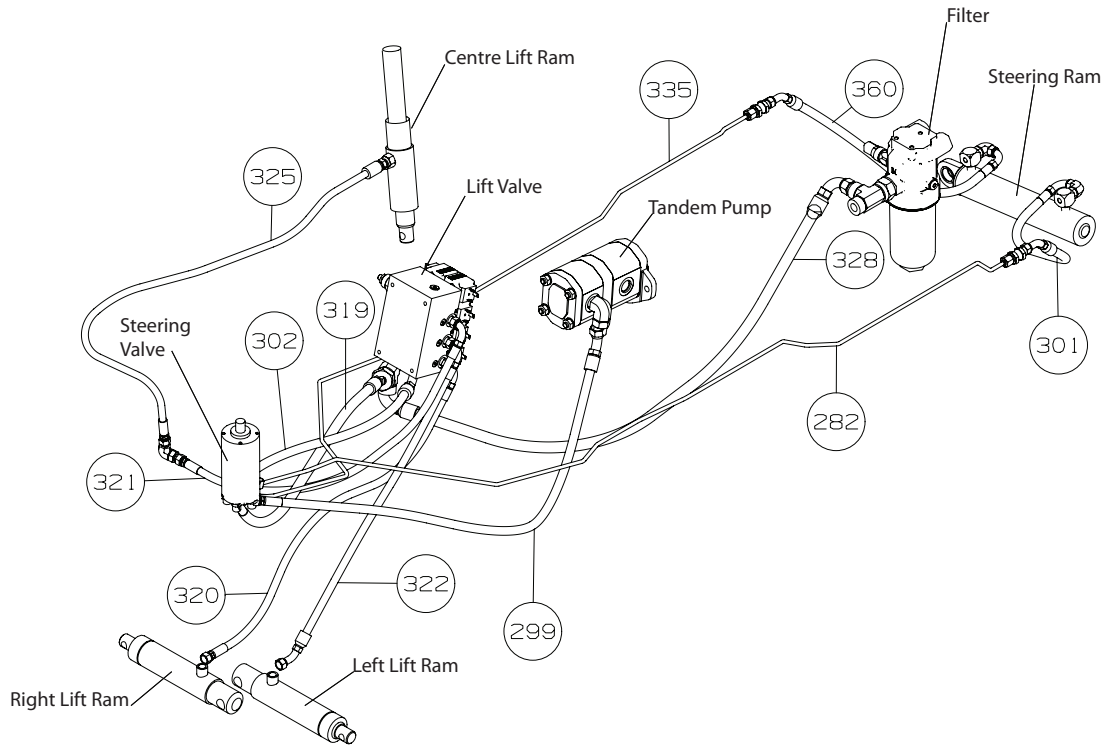
Illustration Number: Suction\_and\_return\_circuit



ITEM	PART NO	DESCRIPTION	QTY	REMARKS
289	4137210	Hose Assembly	2	
290	4137210	Hose Assembly	2	
291	007996850	Hose Assembly	1	
294	4254091	Hose Assembly	1	
295	4254214	Hose Assembly	1	
297	4224289	Hose Assembly	2	
309	4260236	Hose Assembly	1	
310	4254415	Hose Assembly	1	
321	4133846	Hose Assembly	1	
322	4262832	Hose Assembly	1	
326	4254130	Hose Assembly	1	
327	4254110	Hose Assembly	1	
346	4290873	Hydraulic Hose	1	
347	4282991	Hydraulic Hose	1	
360	4282993	Hydraulic Hose	1	
361	4282994	Hydraulic Hose	1	

HYDRAULIC STEERING AND LIFT CIRCUIT

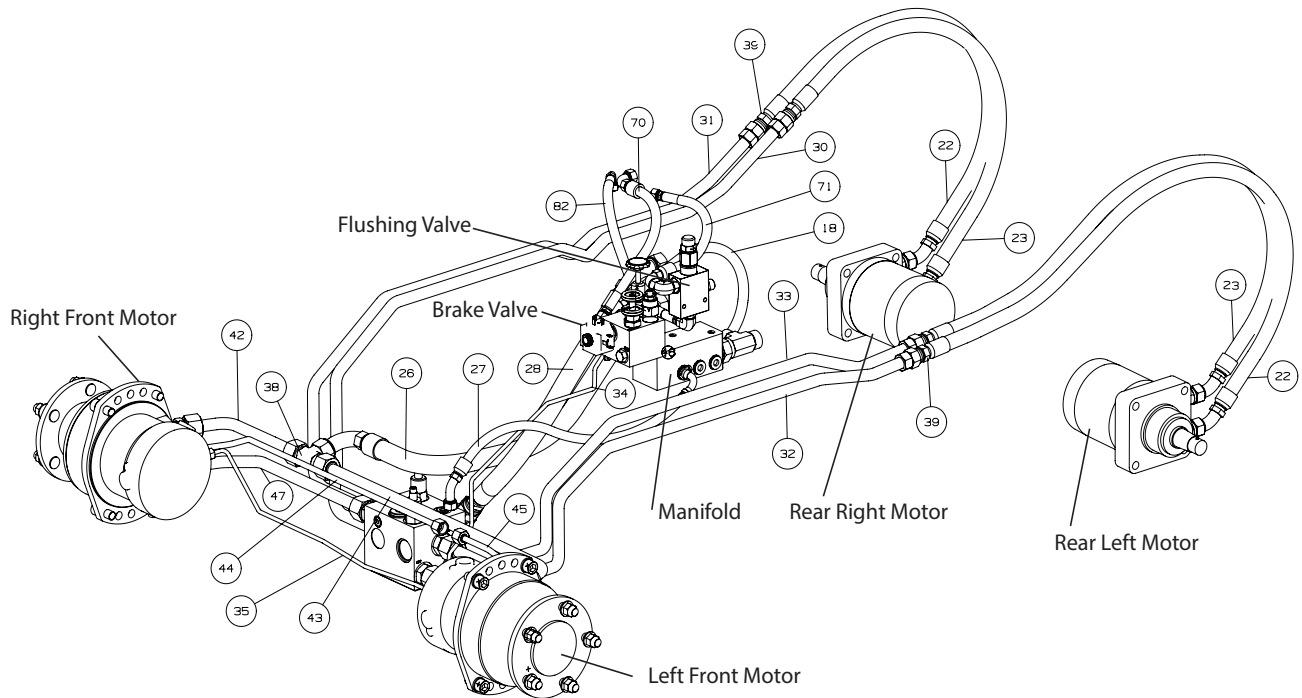
Illustration Number: Hydraulicraulics\_Lift\_and\_Steer



ITEM	PART NO	DESCRIPTION	QTY	REMARKS
282	4252291	Hydraulic Tube - Steering LH	2	
299	4224289	Hose Assembly	1	
301	4293793	Hose Assembly	1	
302	4224291	Hose Assembly	2	
319	4254591	Hose Assembly	1	
320	007996160	Hose Assembly	1	
321	007996160	Hose Assembly	1	
322	4259110	Hose Assembly	1	
325	4260234	Hose Assembly	1	
328	4254130	Hose Assembly	1	
335	4252290	Hydraulic Tube - Steering RH	1	
360	4254592	Hose Assembly	1	

HYDRAULIC TRANSMISSION CIRCUIT

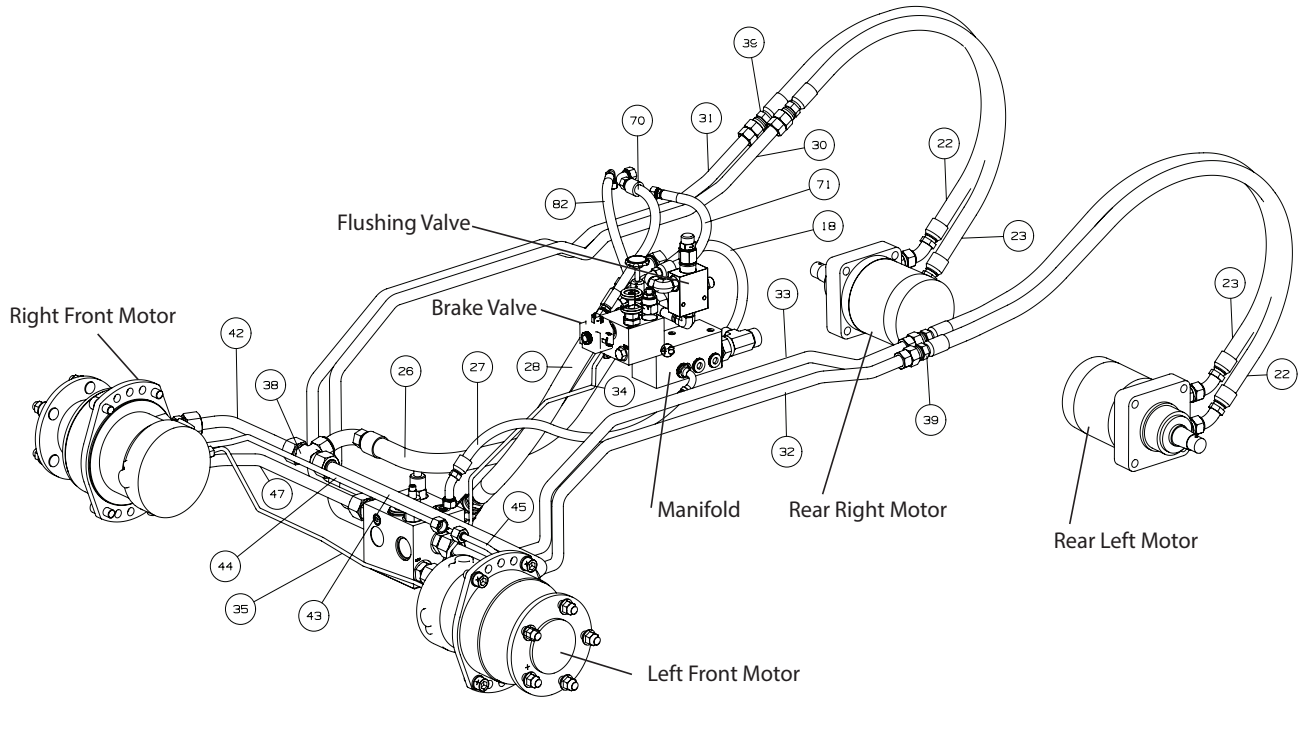
Illustration Number: 018534\_01\_m3\_tran\_hose



ITEM	PART NO	DESCRIPTION	QTY	REMARKS
18	4293793	Hose Assembly	1	
22	4254421	Hose Assembly	1	
23	4254420	Hose Assembly	1	
24	4254420	Hose Assembly	1	
25	4254419	Hose Assembly	1	
26	4254214	Hose Assembly	1	
27	4254213	Hose Assembly	1	
28	4254091	Hose Assembly	1	
30	4251553	Hydraulic Tube	1	Trans Valve Right Front
31	4251552	Hydraulic Tube	1	Trans Valve Right Rear
32	4251551	Hydraulic Tube	1	Trans Valve Left Front
33	4251550	Hydraulic Tube	1	Trans Valve Left Rear
34	4251397	Hydraulic Tube	1	Brake Release Tee
35	4251395	Hydraulic Tube	1	Front RH Brake
36	4251394	Hydraulic Tub	1	Front LH Brake
38	158011-04	Fitting ORS T	4	
39	4251376	1-14 ORFS Braze Adaptor	4	
42	4251276	Hydraulic Tube	1	Front RH Top Port
43	4251275	Hydraulic Tube	1	Front LH Top Port
44	4251274	Hydraulic Tube	1	Front RH Drain

HYDRAULIC TRANSMISSION CIRCUIT

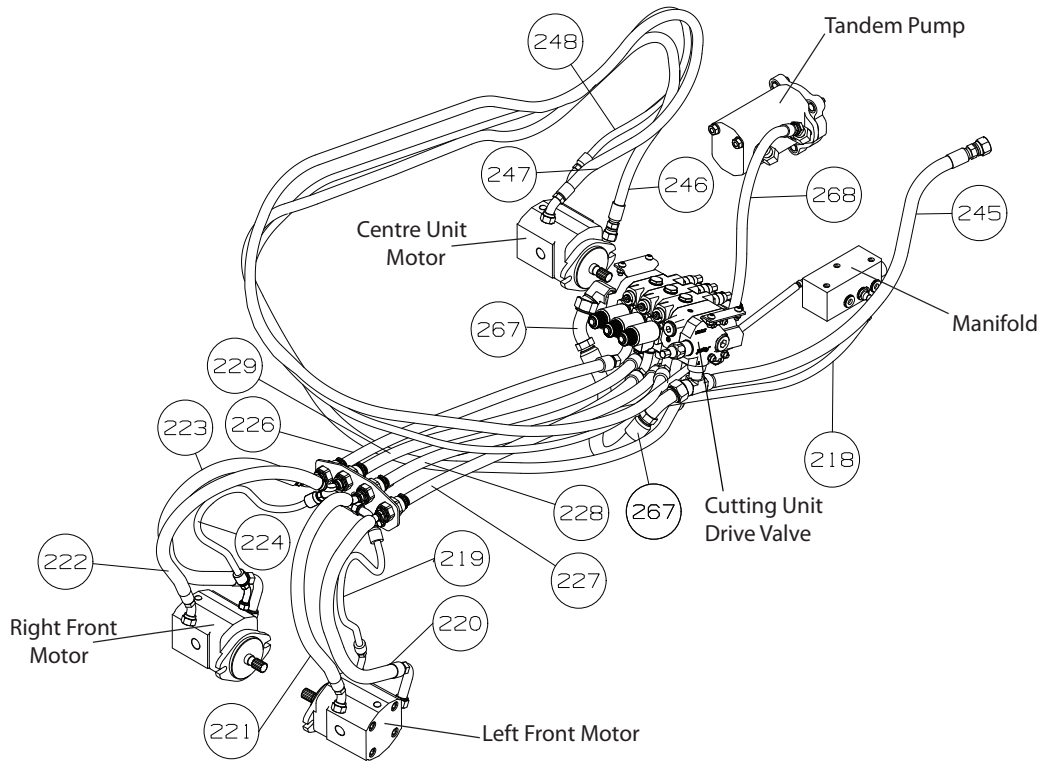
Illustration Number: 018534\_01\_m3\_tran\_hose



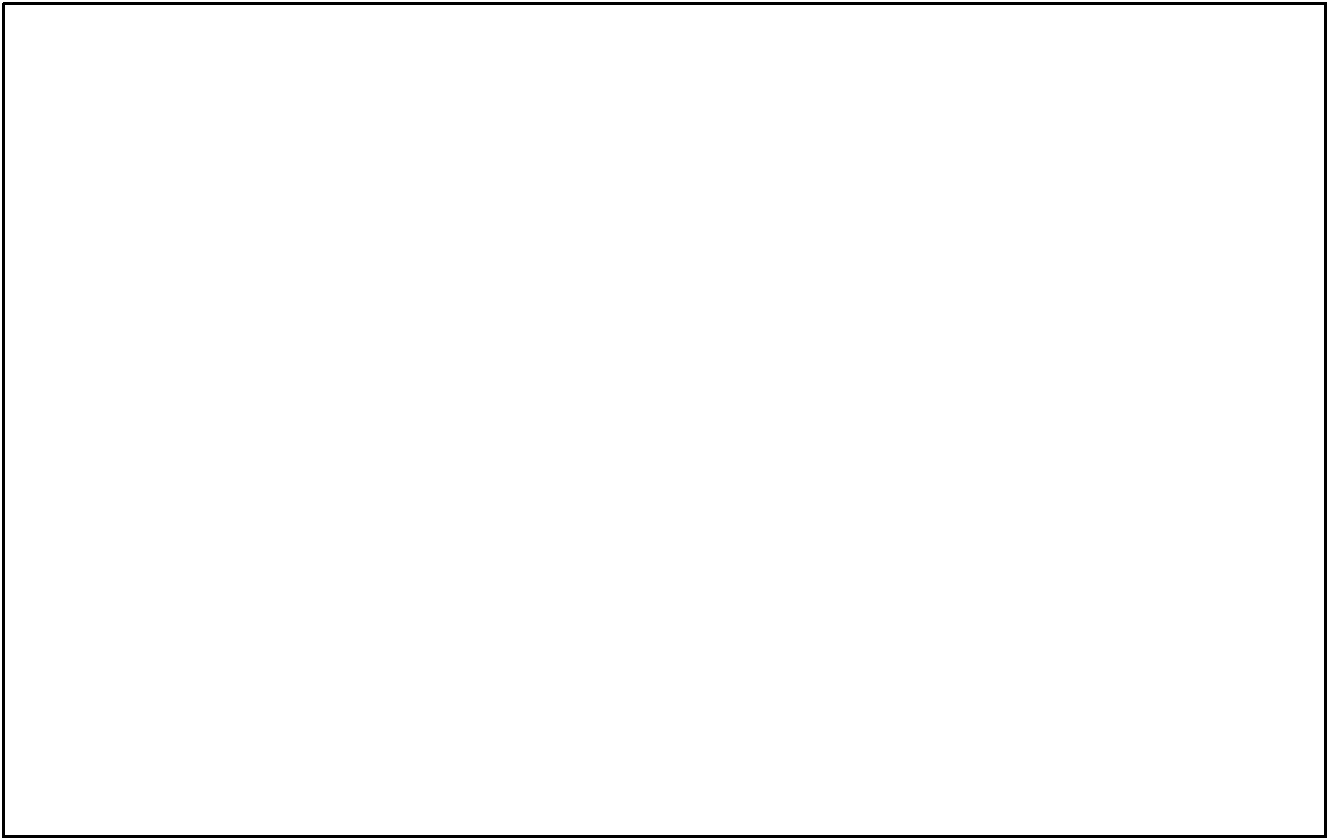
ITEM	PART NO	DESCRIPTION	QTY	REMARKS
45	4251273	Hydraulic Tube	1	Front LH Drain
*	4251272	Hydraulic Tube	1	Front LH Bottom Port
47	4251270	Hydraulic Tube	1	Front RH Bottom Port
70	4262550	Hose Assembly	1	
71	4137210	Hose Assembly	1	
82	007996850	Hose Assembly	1	

HYDRAULIC CUTTING UNIT DRIVE CIRCUIT

Illustration Number: Hydraulicraulics\_cutter\_hoses



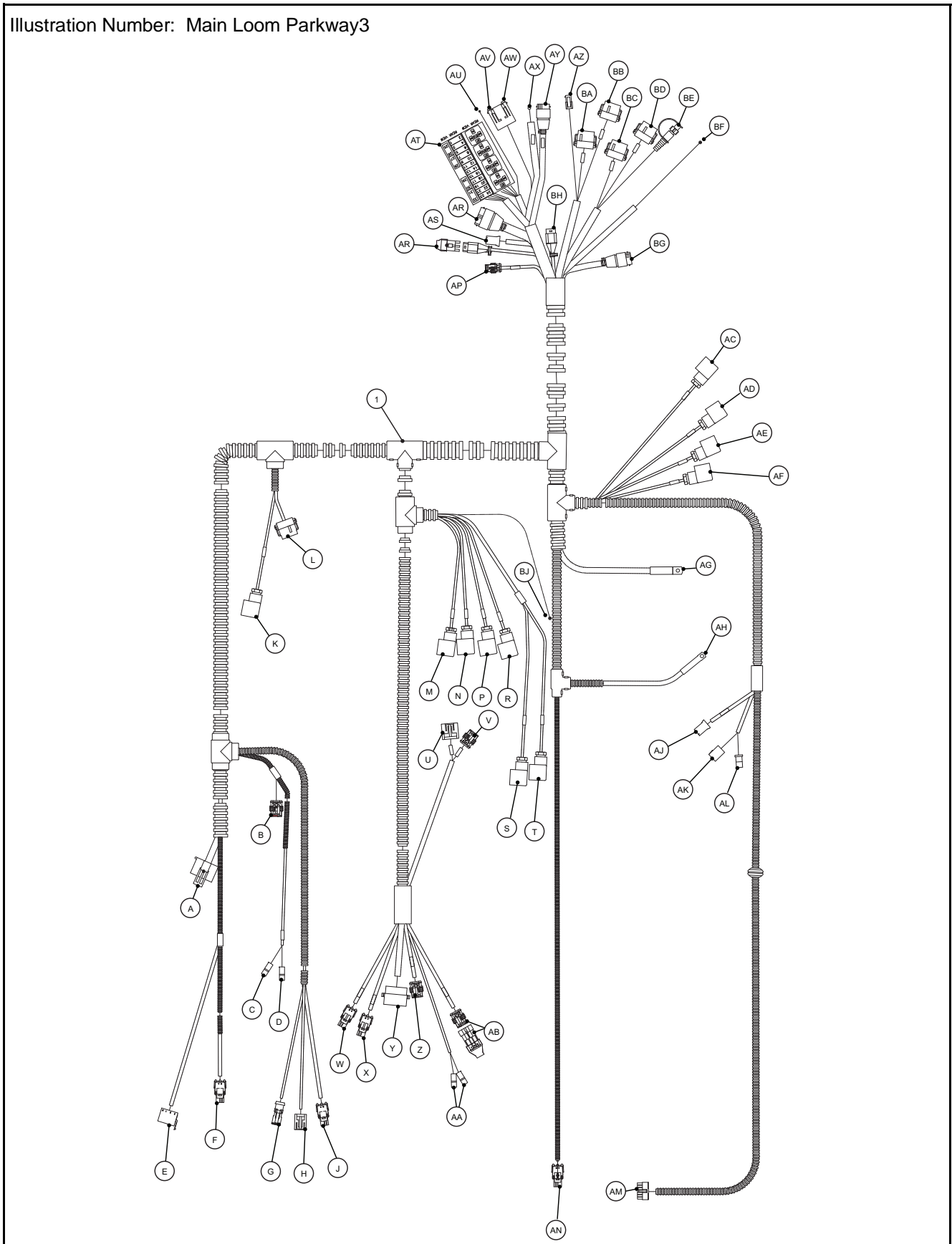
ITEM	PART NO	DESCRIPTION	QTY	REMARKS
218	4254416	Hose Assembly	1	
219	4293794	Hose Assembly	1	
220	4281356	Hose Assembly	1	
221	4281354	Hose Assembly	1	
222	4281355	Hose Assembly	1	
223	4281357	Hose Assembly	1	
224	4293811	Hose Assembly	1	
226	4254417	Hose Assembly	1	
227	4254417	Hose Assembly	1	
228	4254135	Hose Assembly	1	
229	4254135	Hose Assembly	1	
245	4121772	Hose Assembly	1	
246	4260232	Hose Assembly	1	
247	4260233	Hose Assembly	1	
248	4293792	Hose Assembly	1	
267	4284293	Hydraulic Hose	1	
268	4282994	Hydraulic Hose	1	



ITEM	PART NO	DESCRIPTION	QTY	REMARKS

ELECTRICAL - MAIN HARNESS

Illustration Number: Main Loom Parkway3





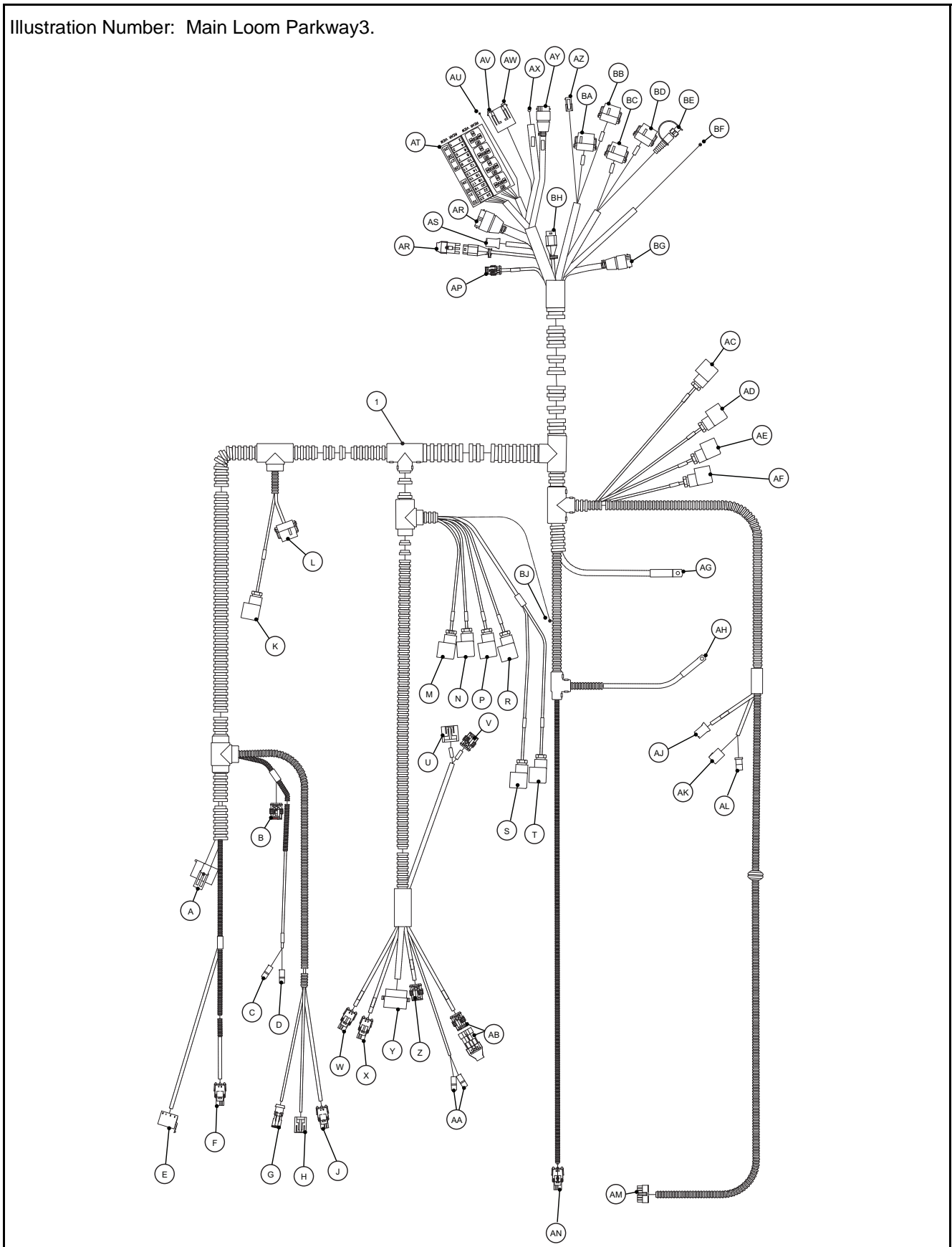
## ELECTRICAL - MAIN HARNESS

ITEM	PART NO.	DESCRIPTION	QTY.	
1	4286531	Main Chassis Harness	1	
A		Connection to Engine Harness		
B		Neutral Switch Connector		
C		Brake Light Switch Connector		
D		Brake Light Switch Connector		
E		Beacon Switch Connector		
F		Beacon Connector		
G		Fuel Level Sender Connector		
H		Number Plate Lamp Connector		
J		Left Hand Rear Lamp Connector		
K		Brake Valve Solenoid Connector		
L		Connector to Jumper Harness		
M		Weight Transfer Solenoid Connector		
N		Left Hand Lower Solenoid Connector		
P		Right Hand Lower Solenoid Connector		
R		Centre Lower Solenoid Connector		
S		LH 4WD Reverse Solenoid Connector		
T		RH 4WD Reverse Solenoid Connector		
U		Centre Unit Position Switch Connector		
V		RH Unit Position Switch Connector		
W		LH Front Lamp Connector		
X		RH Front Lamp Connector		
Y		Combination Switch Connector		
Z		LH Unit Position Switch Connector		
AA		Horn Connector		
AB		Mow / Transport Switch Connector		& Blanking Plug
AC		LH Unit Raise Solenoid Connector		
AD		RH Unit Raise Solenoid Connector		
AE		Centre Unit Raise Solenoid Connector		
AF		Raise Enable Solenoid Connector		
AG		Battery Negative Connector		
AH		Battery Positive Connector		
AJ		Accessory Plug Connector		
AK		Seat Switch Connector		
AL		Air Seat Connector		
AM		Connector to Armrest Harness		
AN		Right Hand Rear Lamp Connector		
AP		Head Lamp Switch Connector		
AR		Main Control Panel Connector		
AS		Accessory Panel Connector		
AT		Fuses and Relays		
AU		LED Flasher Connector		
AV		Glow Plug Fuse		
AW		Cab Supply Fuse		

\* Not Illustrated

ELECTRICAL - MAIN HARNESS

Illustration Number: Main Loom Parkway3.

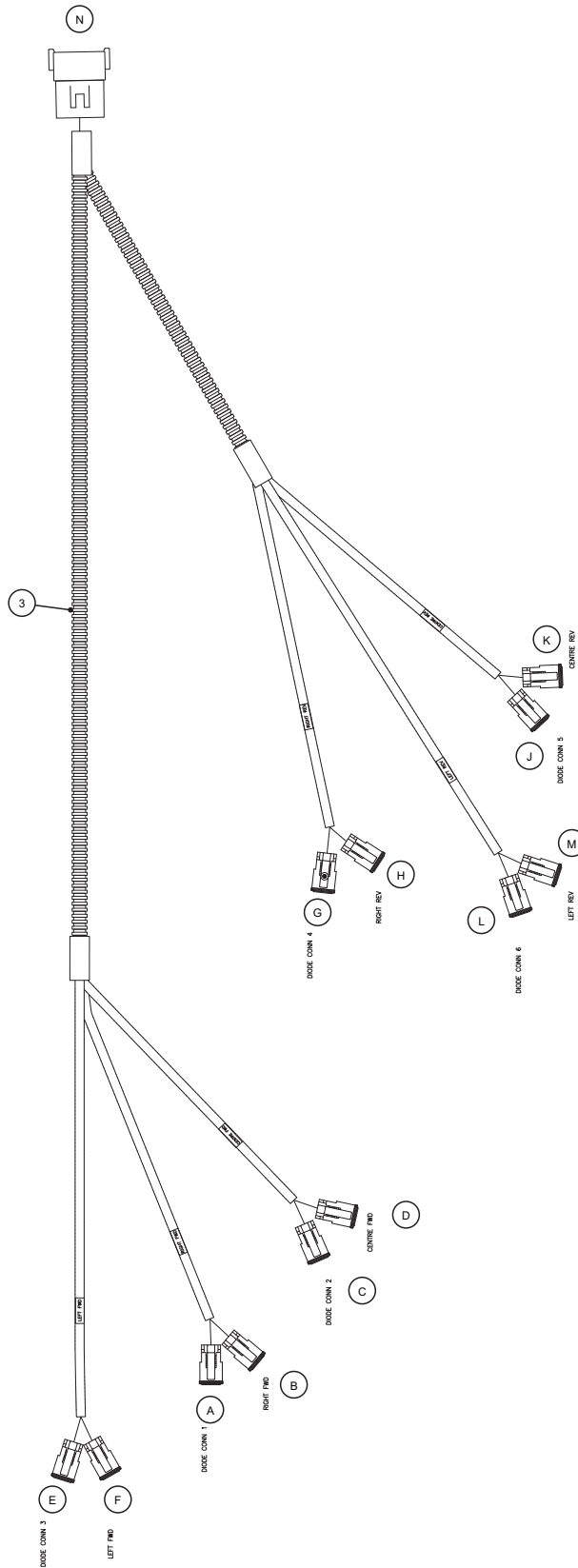


## ELECTRICAL - MAIN HARNESS

ITEM	PART NO.	DESCRIPTION	QTY.	
AX		Cab Connector 1		
AY		Cab Connector 2		
AZ		Alarm Sounder Connector		
BA		Plus 1 A Gray Connector		
BB		Plus 1 A Black Connector		
BC		Plus 1 B Gray Connector		
BD		Plus 1 B Black Connector		
BE		Plus 1 Program Port Connector		
BF		Backlap Relay Connector		
BG		Diode Module Connector		
BH		Resistor Module Connector		
BJ		Inclinometer		
1.1	4212120	• Resistor Array	1	
1.2	4227580	• Link - mow Mode Switch	1	
1.3	4227581	• Link - backlap Plug	1	
1.4	4250332	• Light - Switch Bypass	1	
3*	4205246	Operator Panel Harness	1	
4*	4205243	Armrest Harness	1	
5*	4245172	Battery Positive Cable	1	Battery + to Starter +
6*	4245173	Battery Negative Cable	1	Battery - to Engine Bell Housing
*	4251990	Light Switch Bypass	1	

ELECTRICAL - CUTTER VALVE JUMPER HARNESS

Illustration Number: Jumper Harness Meteor



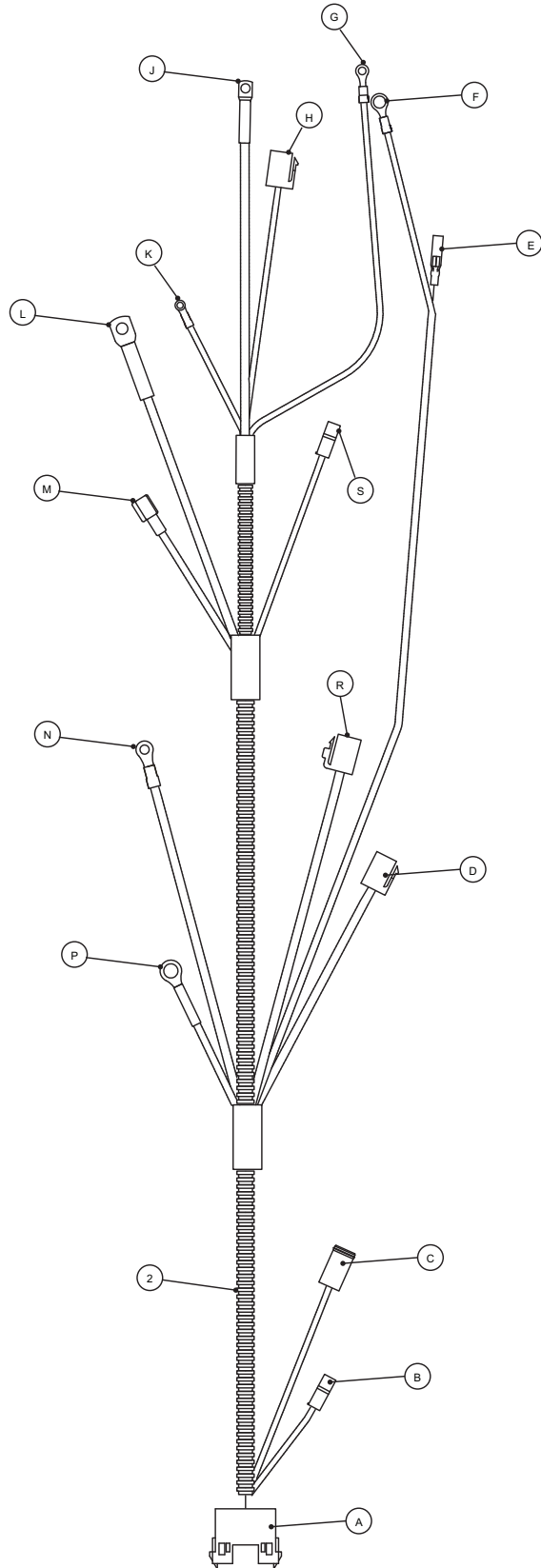
## ELECTRICAL - CUTTER VALVE JUMPER HARNESS

ITEM	PART NO.	DESCRIPTION	QTY.	
3	4286532	Cutter Valve Jumper Harness	1	
A		Diode Connector 1		
B		Right Unit Forward Connector		
C		Diode Connector 2		
D		Centre Unit Forward Connector		
E		Diode Connector 3		
F		Left Unit Forward Connector		
G		Diode Connector 4		
H		Right Unit Reverse Connector		
J		Diode Connector 5		
K		Centre Unit Reverse Connector		
L		Diode Connector 6		
M		Left Unit Reverse Connector		

\* Not Illustrated

ELECTRICAL - ENGINE HARNESS

Illustration Number: Engine Loom



## ELECTRICAL - ENGINE HARNESS

ITEM	PART NO.	DESCRIPTION	QTY.	
2	4245030	Engine Harness	1	
A		Connector To Main Chassis Harness		
B		Hydraulic Filter Connector		
C		Hydraulic Filter Connector		
*	4291451	Harness To Adapt Charge Filter	1	
D		Fuel Pump Connector		
E		Air Conditioner Compressor Connector		
F		Compressor Ground		
G		Water Temperature Connector		
H		Alternator Connector		
J		Alternator O/P Connector		
K		Oil Pressure Switch Connector		
L		Starter Motor Main Connector		
M		Starter Motor Connector		
N		Glow Plug		
P		Engine Ground		
R		Fuel Cut Off Solenoid Connector		
S		Starter Solenoid Connector		

\* Not Illustrated









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