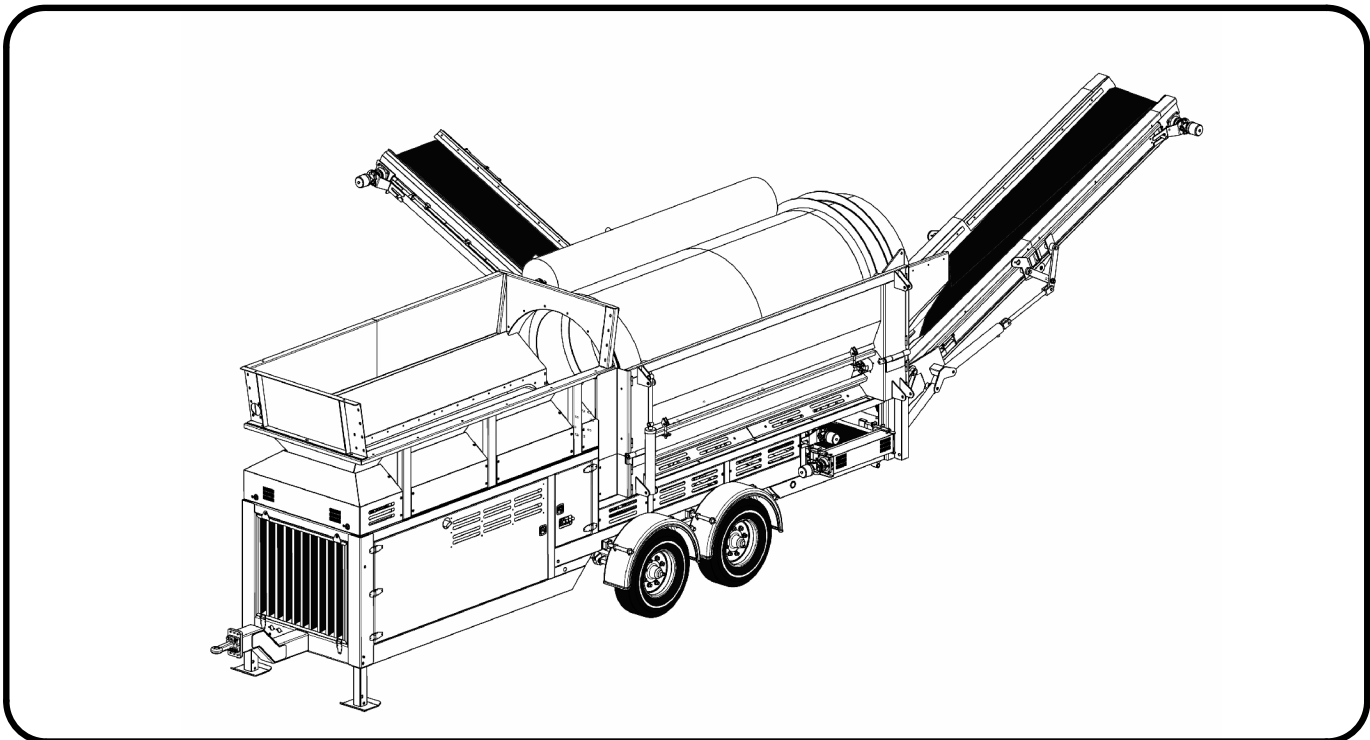




# ORION 1400



**POWERSCREEN PARTS MANUAL  
VERSION 02EG  
FROM SERIAL NUMBER 15900217**

**Powerscreen International Distribution Ltd.,  
Dungannon, N.Ireland.**



# Spare Parts Listings

## Table of contents

- 1 General Information
- 2 Parts Ordering Procedure
- 3 Contact Details
  - 3.1 Powerscreen International Distribution Ltd., Parts Division Contact Details
  - 3.2 Terex Crushing Inc. Parts Division Contact Details
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- 4 Index to Spare Parts Listings
- 5 Spare Parts Listings
- 6 Index of Parts



# Spare Parts Listings

## 1 General Information

When purchasing spare parts customers should in their own interest, always use genuine POWERSCREEN International parts.

Spare parts must comply with the technical requirements specified by the manufacturer.

Only spare parts from the original equipment manufacturers can be relied to do so.

Spare parts that have not been supplied by Powerscreen International Distribution Ltd., or Terex Crushing and Screening Inc., cannot be relied upon for correct material, dimensions or finish.

Powerscreen International Distribution Ltd., or Terex Crushing and Screening Inc., cannot therefore be responsible for any damage arising from use of any such parts and the Guarantee will be invalid.

## 2 Powerscreen Parts

### Ordering Procedure

When ordering spare parts, the following must be observed:

1. State the type of machine and the machine serial number.  
The serial number may be found on the machine plate or in Section 1 - Technical Information .
2. State clearly Item No., Part No., Description and the Fig. No. for the part required.
3. State the quantity being ordered.
4. State name and address clearly as well as method of delivery required.



## Spare Parts Listings

### 3 Contact Details

#### 3.1 Powerscreen International Distribution Ltd., Parts Division

**Address:**

Powerscreen Parts Department  
Powerscreen International Distribution  
32 Farlough Road  
Dungannon Co. Tyrone  
BT71 4DT

**Office Hours:**

Monday – Thursday  
8.30am – 1.00pm 2.00pm – 5.30pm  
Except Friday  
8.30am – 1.00pm 2.00pm – 4.00pm

**Telephone:**

Main Switchboard: + 44 (0) 2887 740701  
Parts Department: + 44 (0) 2887 741 939

**Fax:**

Fax (Sales Orders): + 44 (0) 2887 747874  
Fax (Outgoing): + 44 (0) 44 2887 747741

**Website/s:**

[www.powerscreen.com](http://www.powerscreen.com)  
[parts.powerscreen.co.uk](http://parts.powerscreen.co.uk)

**Email:**

[parts@powerscreen.com](mailto:parts@powerscreen.com)

#### 3.2 Terex Crushing and Screening Inc. Contact Details

**Address:**

Terex Crushing & Screening Inc.  
11001 Electron Drive  
Louisville, Kentucky 40299  
United States of America

**Office Hours:**

Monday – Friday  
8.00 am to 6.00pm

**Telephone:**

Main Switchboard: 001 (502) 736 5200

**Fax:**

Spares Fax: 001 (502) 736 5203

**Website:**

[www.powerscreenusa.com](http://www.powerscreenusa.com)

**Email:**

[Parts-Powerscreen@terexcs.com](mailto:Parts-Powerscreen@terexcs.com)



# Spare Parts Listings

## 3.3 Fax Reply Sheet (FAX TO + 44 (0) 28 87 747 874)

1. Powerscreen Serial No. ....
2. Year of Manufacture .....
3. Engine Type and Serial No .....
4. Operating Hours on Machine .....

Customer	Name	
	Address	
	Phone	
	Fax	

Delivery	Name	
	Address	
	Phone	
	Fax	

Machine	Type	
	Serial Number	

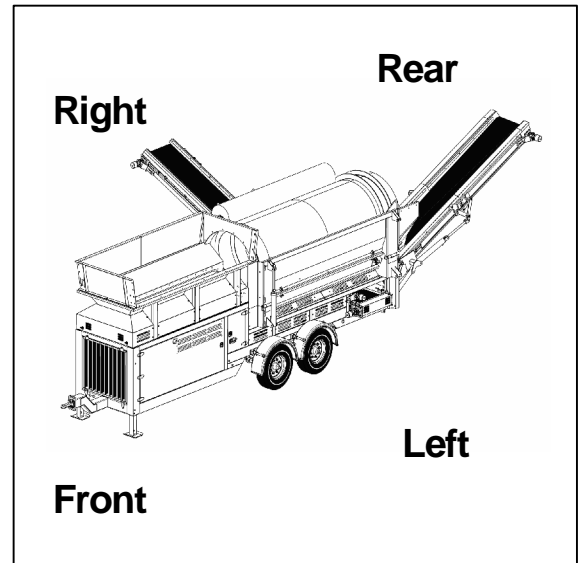
Required Parts	Quantity	Figure	Item No	Description
#1				
#2				
#3				
#4				
#5				
#6				
#7				
#8				
#9				
# 10				
# 11				
# 12				
# 13				
# 14				
# 15				
# 16				
# 17				
# 18				
# 19				
# 20				

## **Orion 1400**

### **General information**

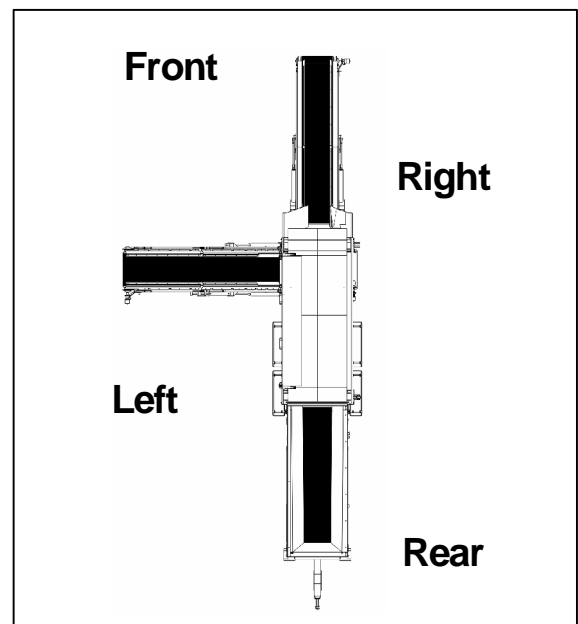
#### **Left and Right Hand**

When using this handbook, at all times the right and left hand references are viewed from the towbar end of the machine

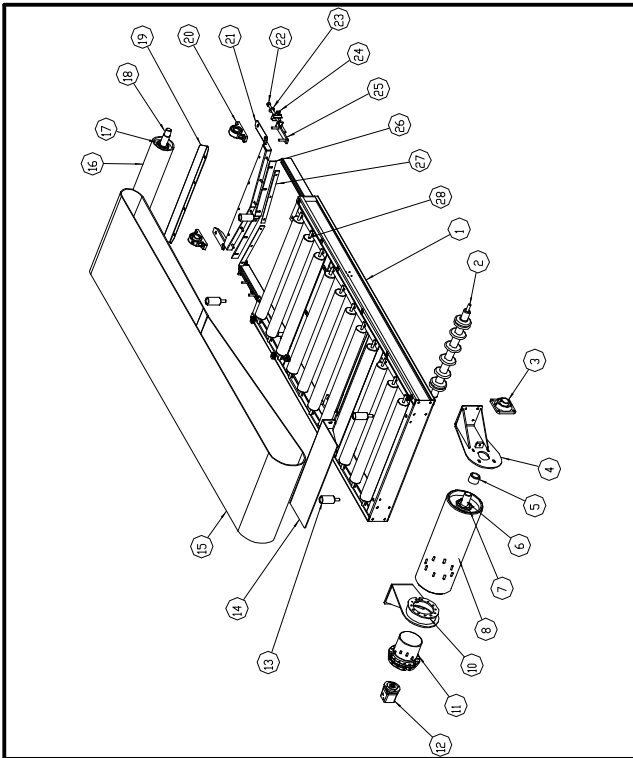


#### **Left and Right Hand**

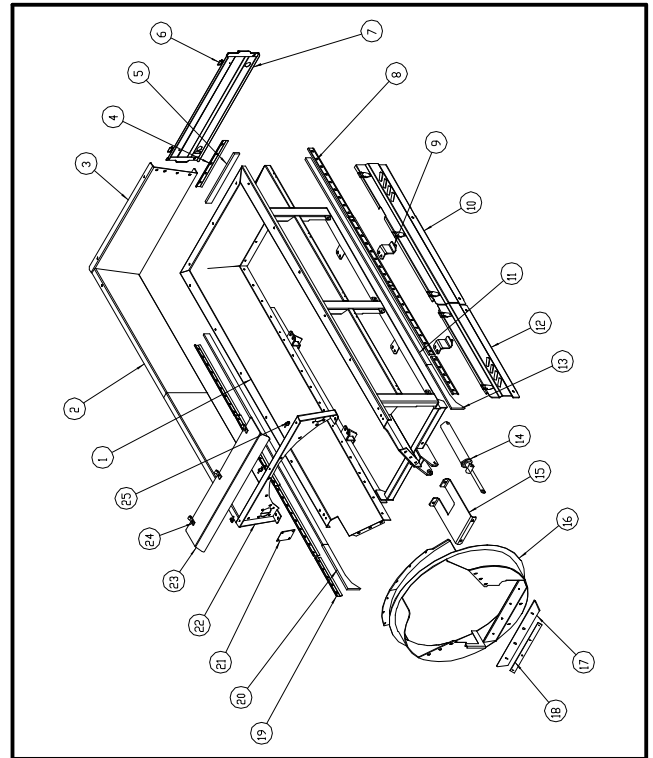
When using this handbook, at all times the rear of the machine is situated at the towbar end.



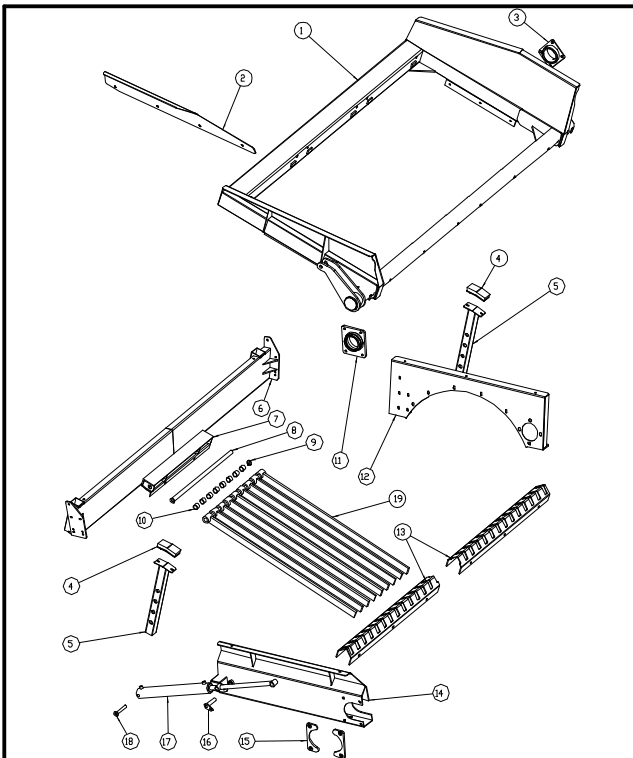
## Index to Spare Parts Listings



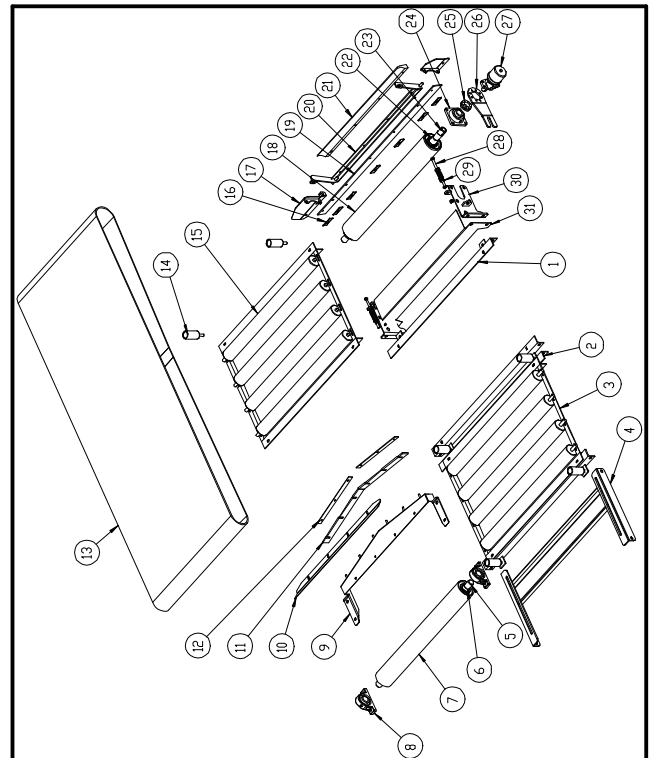
**FIG - 01-01**  
**FEEDER CONVEYOR**



**FIG - 01-02**  
**FEEDER HOPPER**

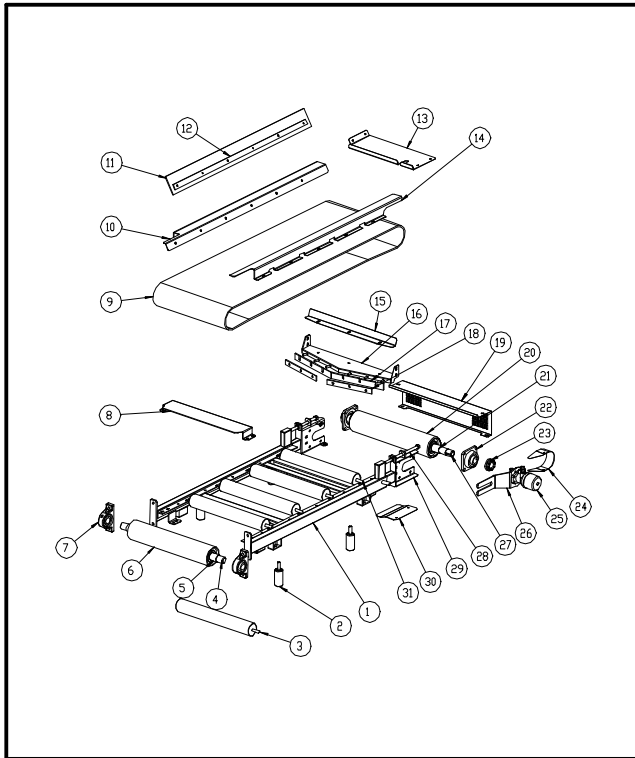


**FIG - 01-03**  
**TIPPING GRID**

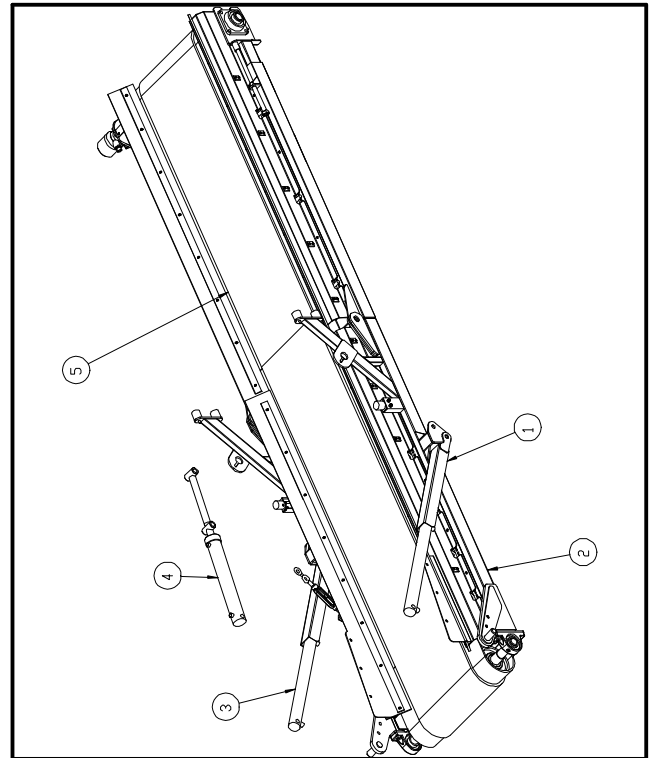


**FIG - 02-01**  
**COLLECTION CONVEYOR**

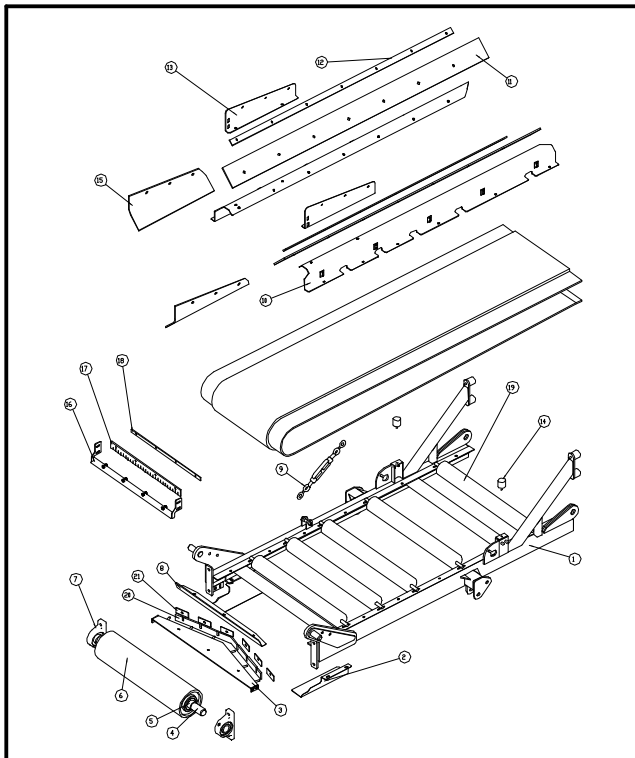
**Index to Spare Parts Listings**



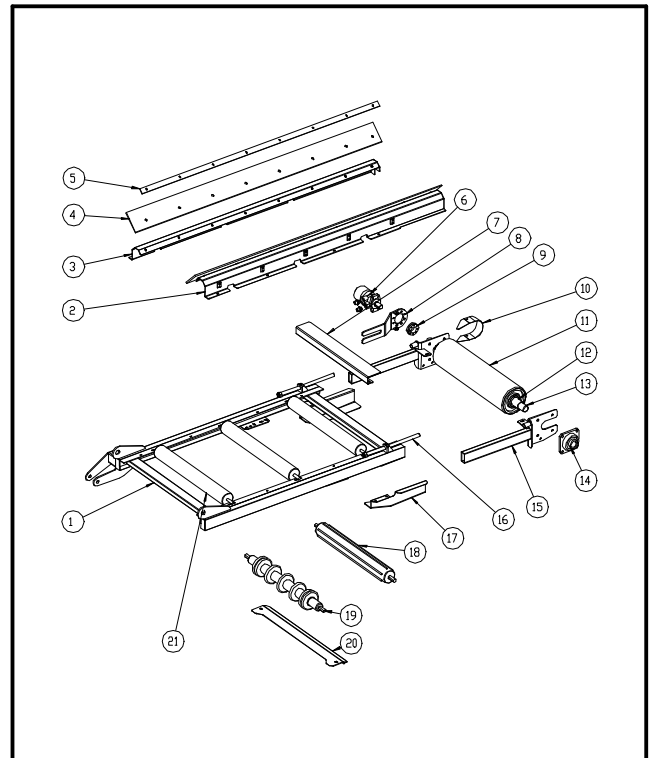
**FIG - 03-01**  
**TRANSFER CONVEYOR**



**FIG - 04-01**  
**SIDE CONVEYOR ASSEMBLY**



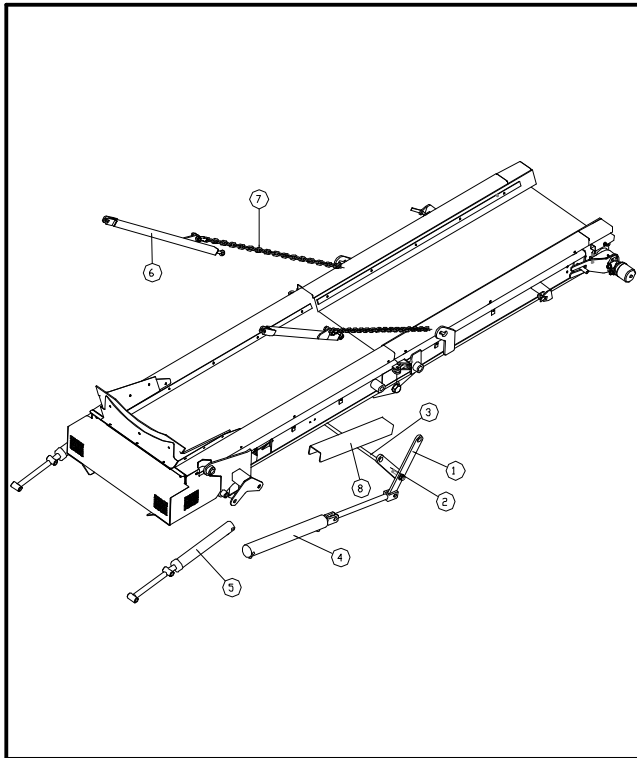
**FIG - 04-02**  
**SIDE CONVEYOR LOWER**



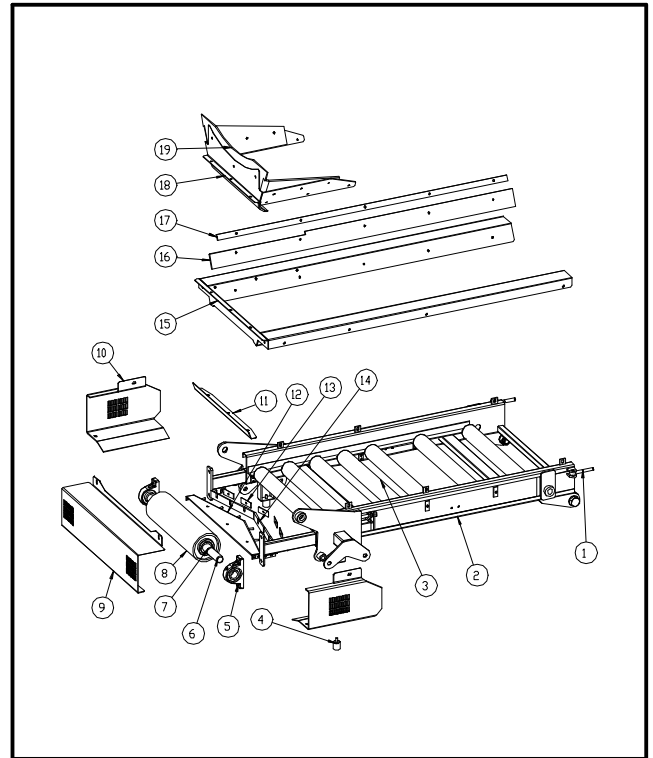
**FIG - 04-03**  
**SIDE CONVEYOR UPPER**



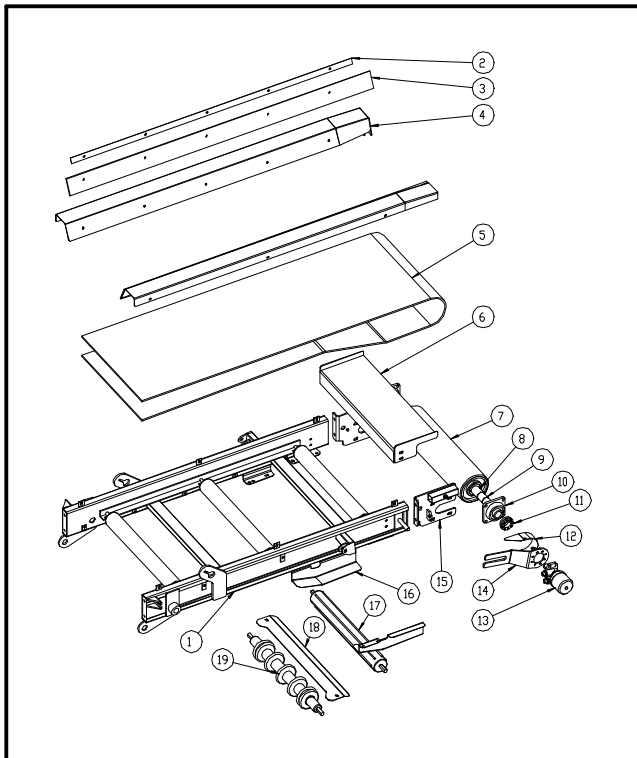
## Index to Spare Parts Listings



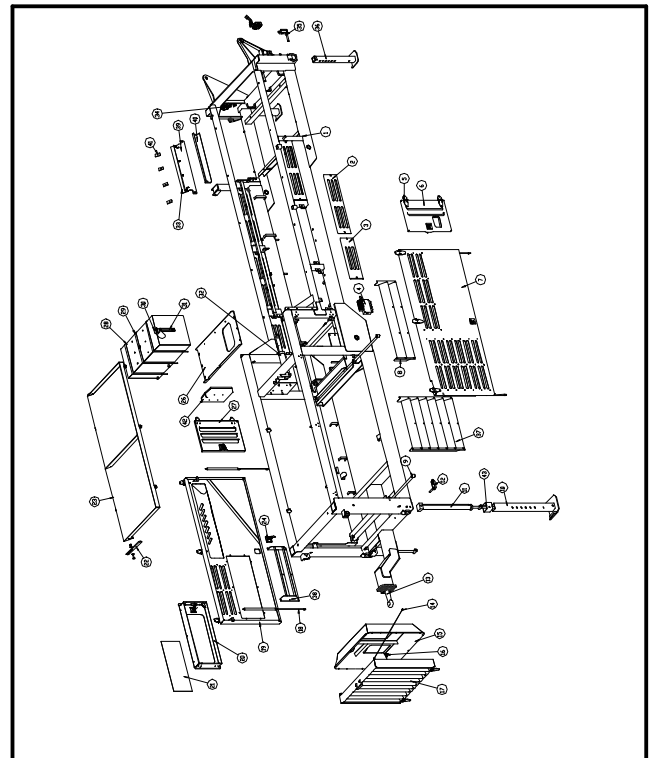
**FIG - 05-01**  
**TAIL CONVEYOR ASSEMBLY**



**FIG - 05-02**  
**TAIL CONVEYOR LOWER**

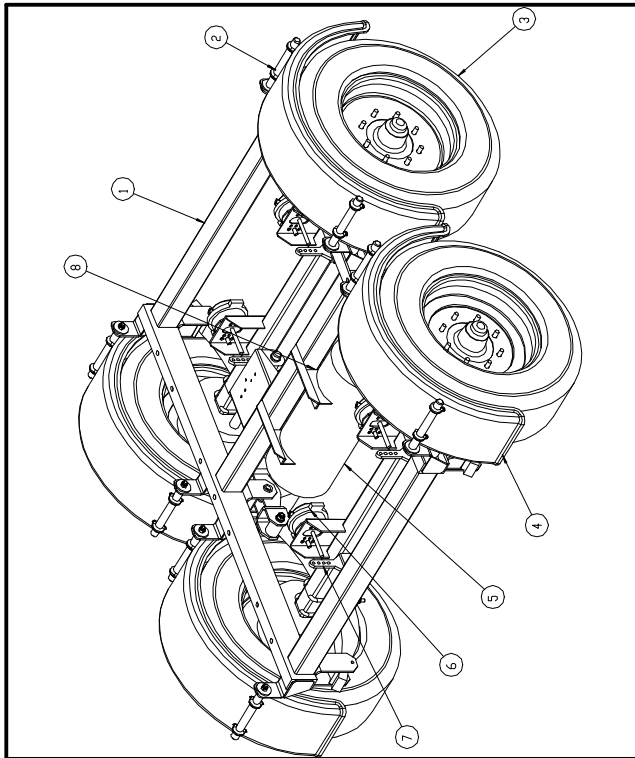


**FIG - 05-03**  
**TAIL CONVEYOR UPPER**

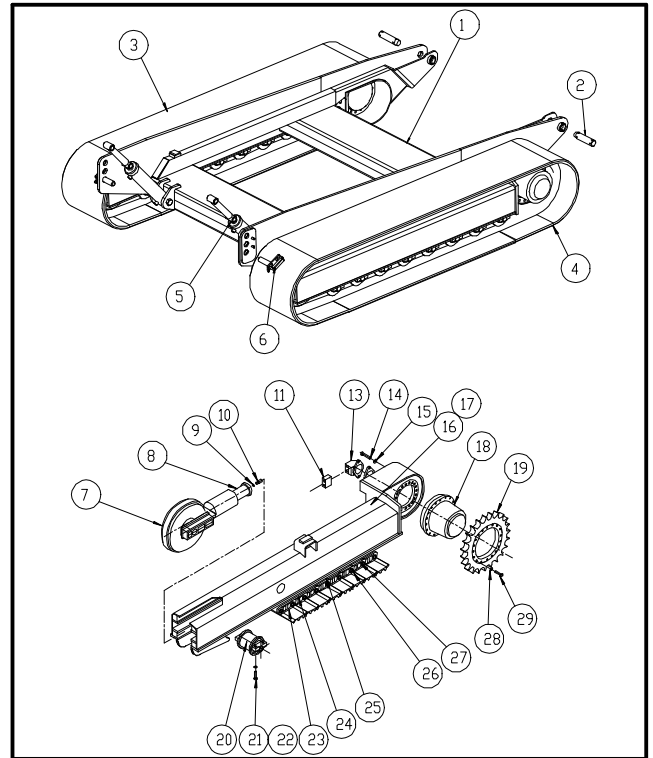


**FIG - 06-01**  
**CHASSIS**

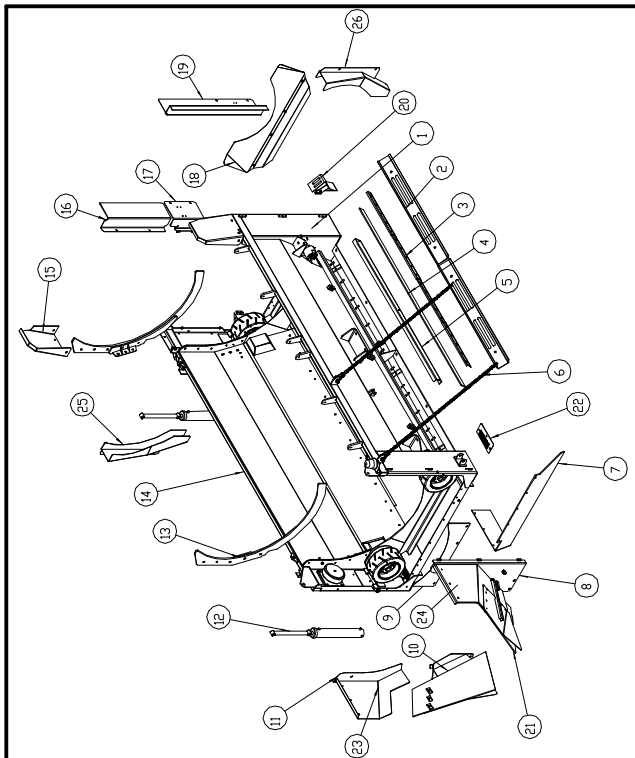
**Index to Spare Parts Listings**



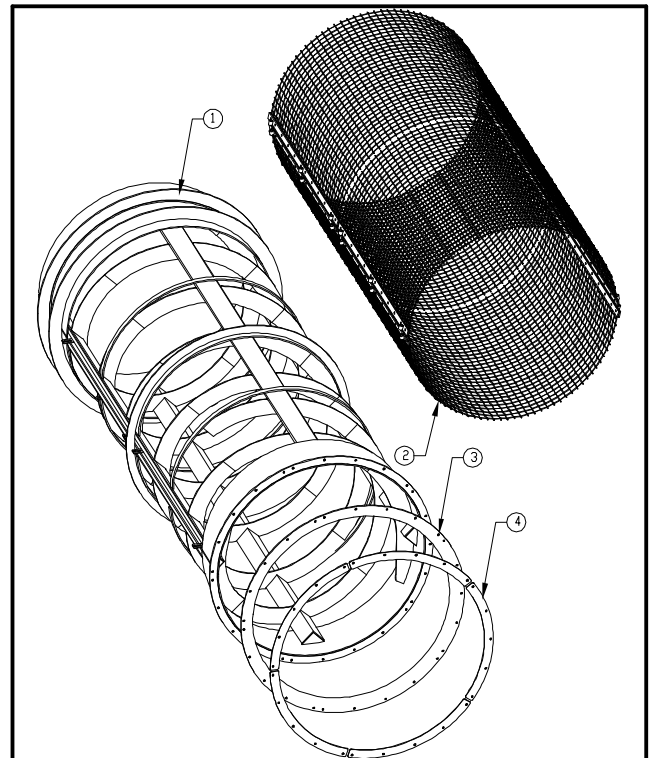
**FIG - 07-01  
WHEEL BOGIE**



**FIG - 07-02  
TRACK BOGIE**

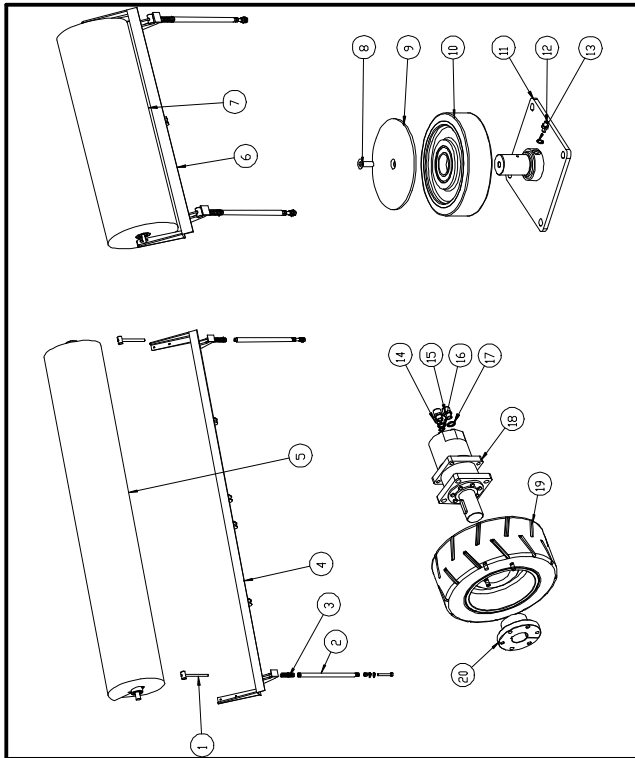


**FIG - 08-01  
TROMMEL BIN**

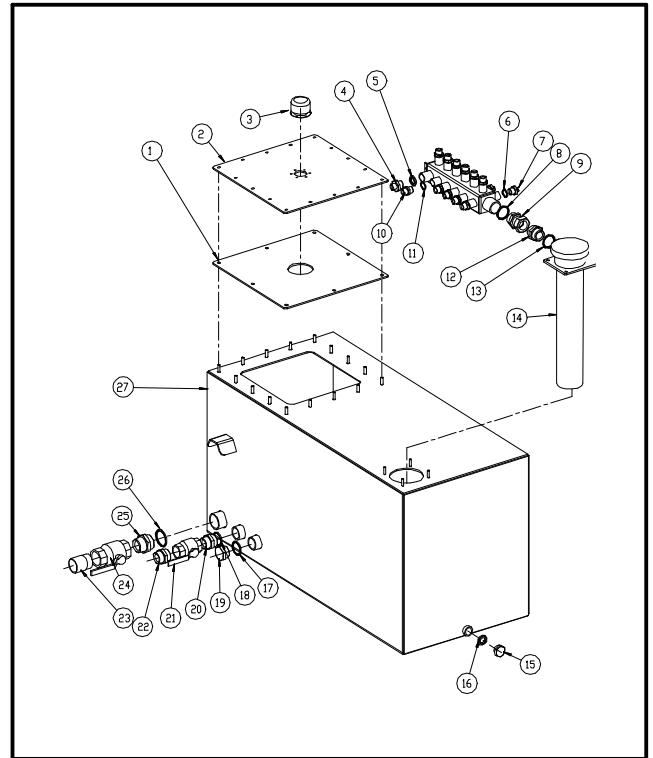


**FIG - 08-02  
TROMMEL DRUM**

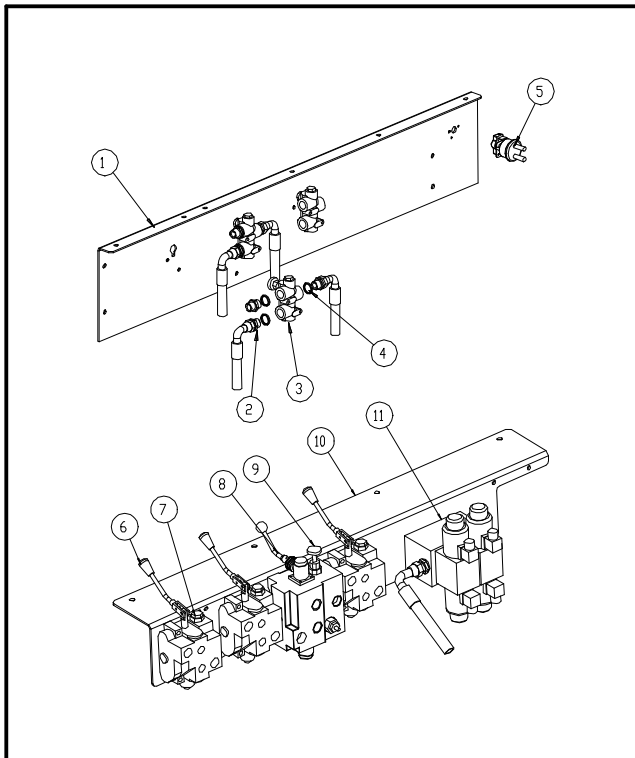
## Index to Spare Parts Listings



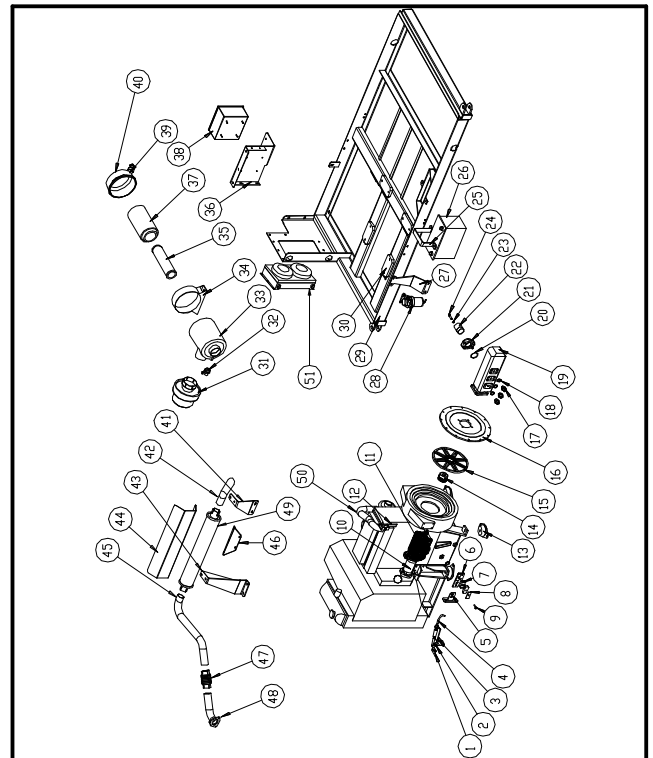
**FIG - 08-03**  
**DRUM BRUSH AND DRIVE SYSTEM**



**FIG - 09-01**  
**HYDRAULIC TANK**

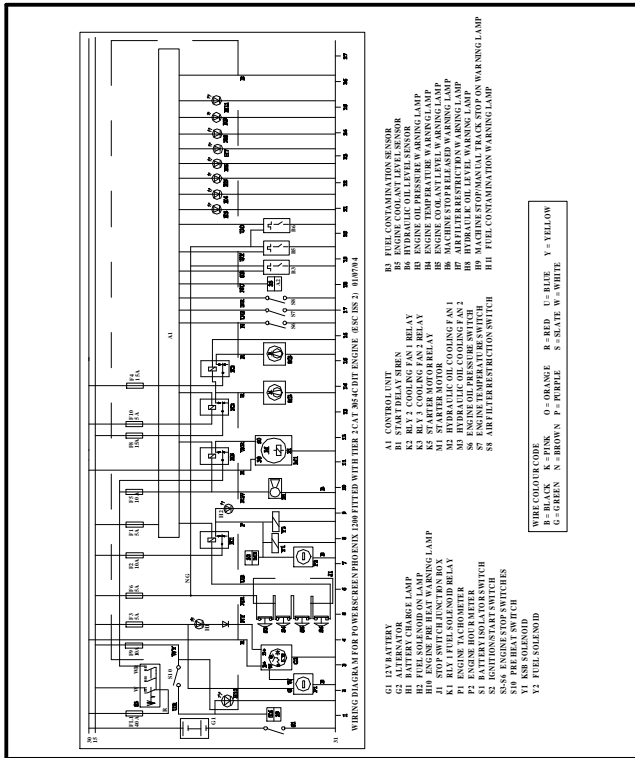


**FIG - 09-02**  
**CONTROL VALVE MOUNTING PLATE**

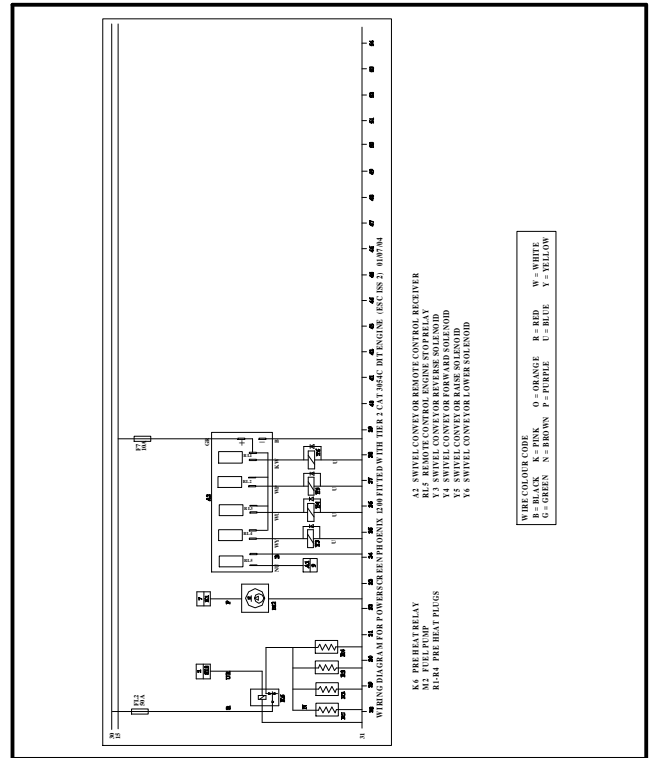


**FIG - 09-03**  
**POWERUNIT ASSEMBLY**

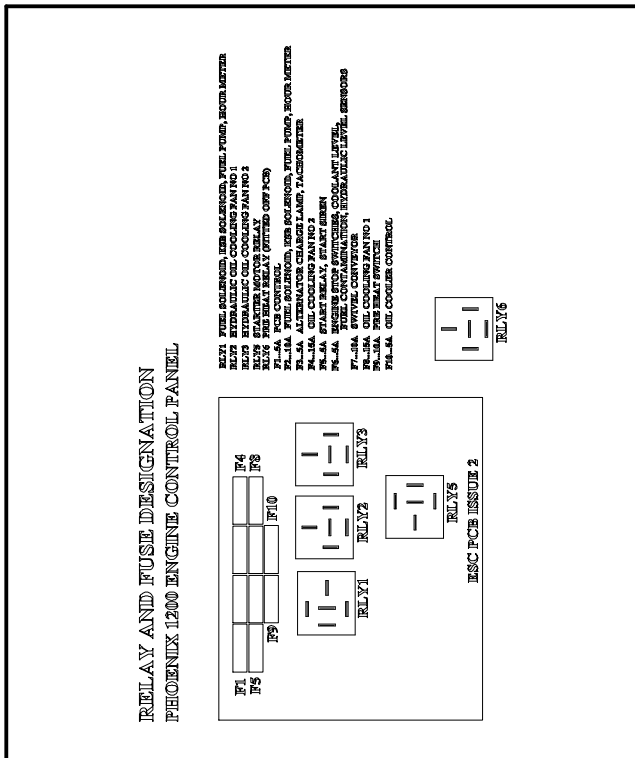
## Index to Spare Parts Listings



**FIG - 10-01**  
**ELECTRICAL CIRCUIT 1**



**FIG - 10-02**  
**ELECTRICAL CIRCUIT 2**



**FIG - 10-03**  
**FUSE & RELAY DESIGNATIONS**

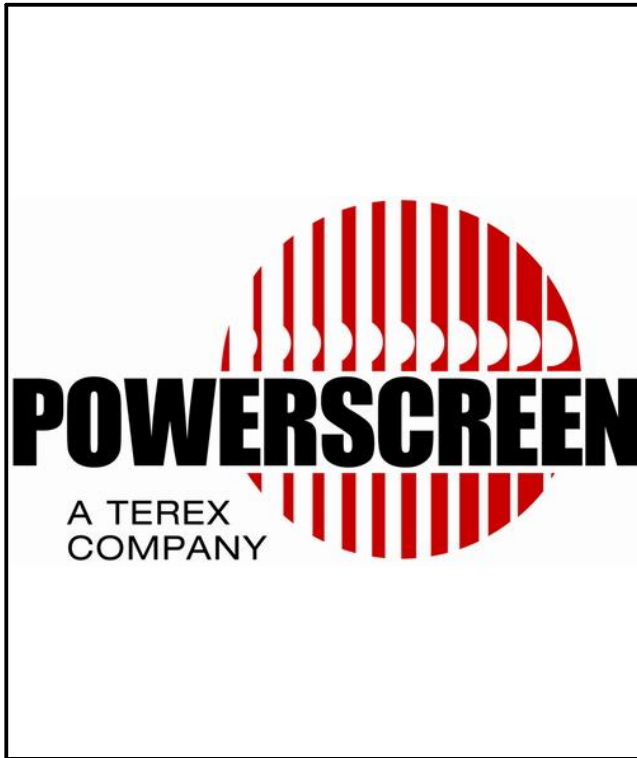


**FIG - 10-04**  
**ELECTRICAL PARTS**

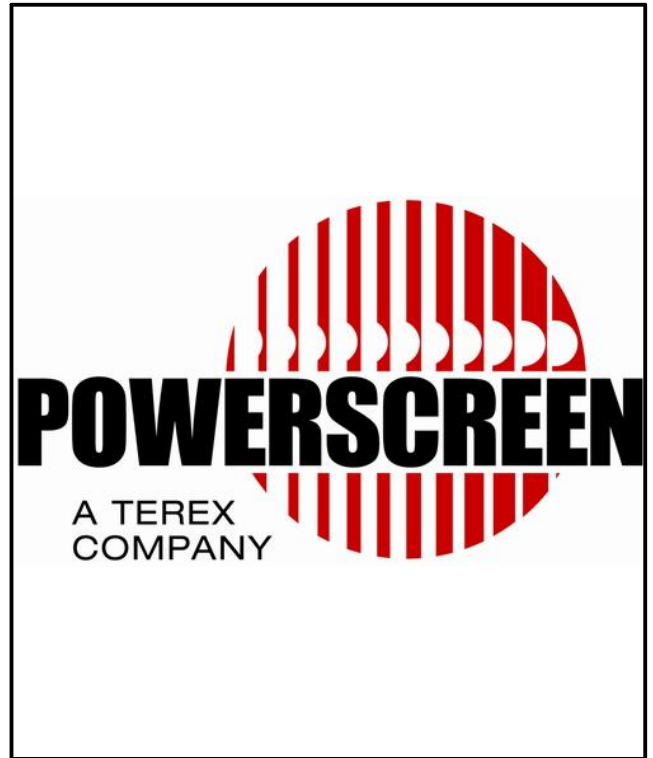


# Spare Parts Listings

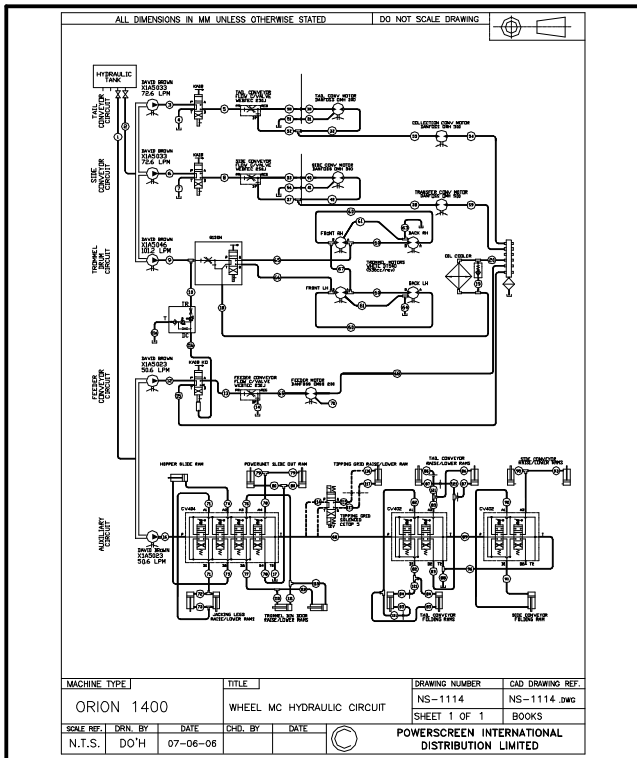
## Index to Spare Parts Listings



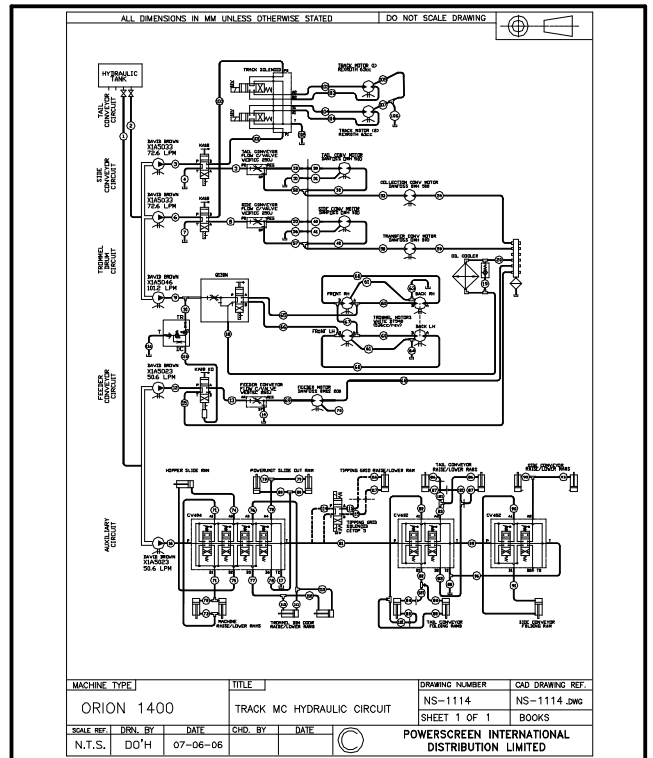
**FIG - 11-01**  
**SERVICE PARTS & CONSUMABLES**



**FIG - 11-02**  
**RECOMMENDED PARTS (2000HRS)**



**FIG - 12-01**  
**HYDRAULIC DIAGRAM WHEEL**

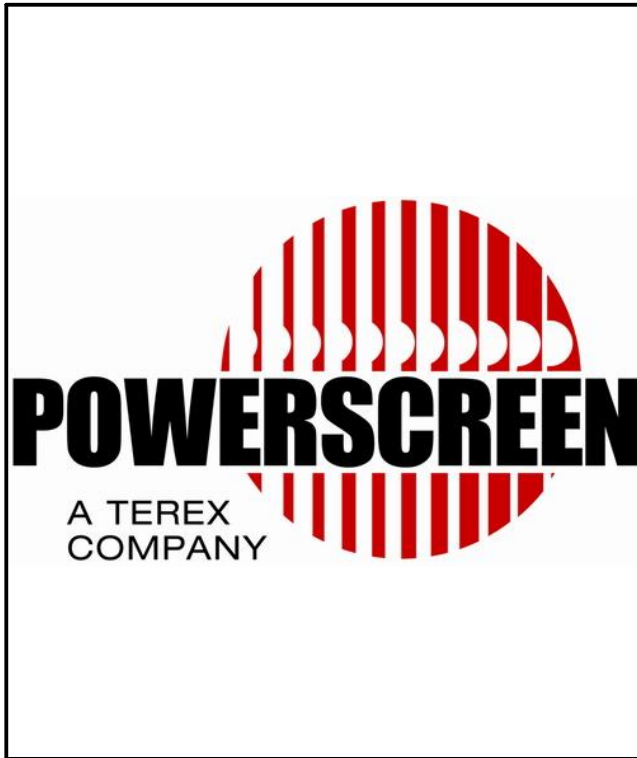


**FIG - 12-02**  
**HYDRAULIC DIAGRAM TRACK**

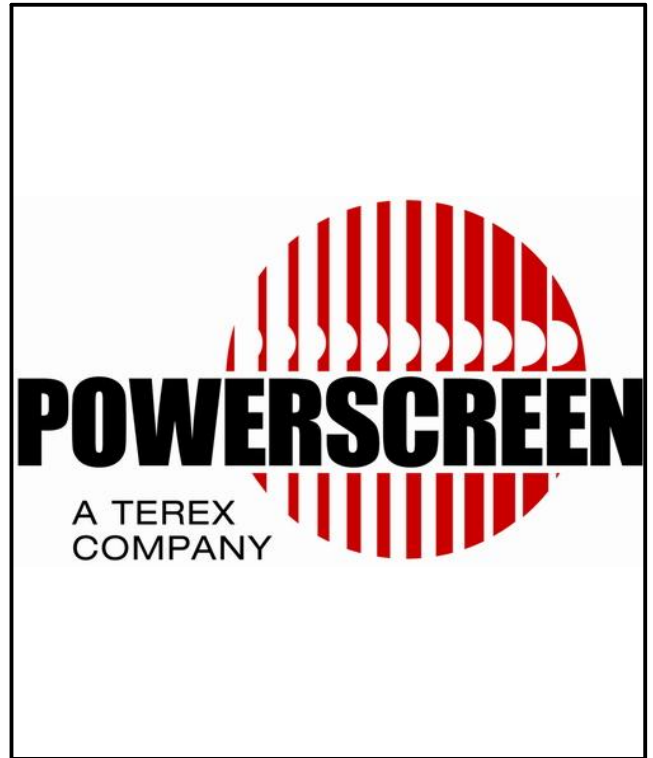


## Spare Parts Listings

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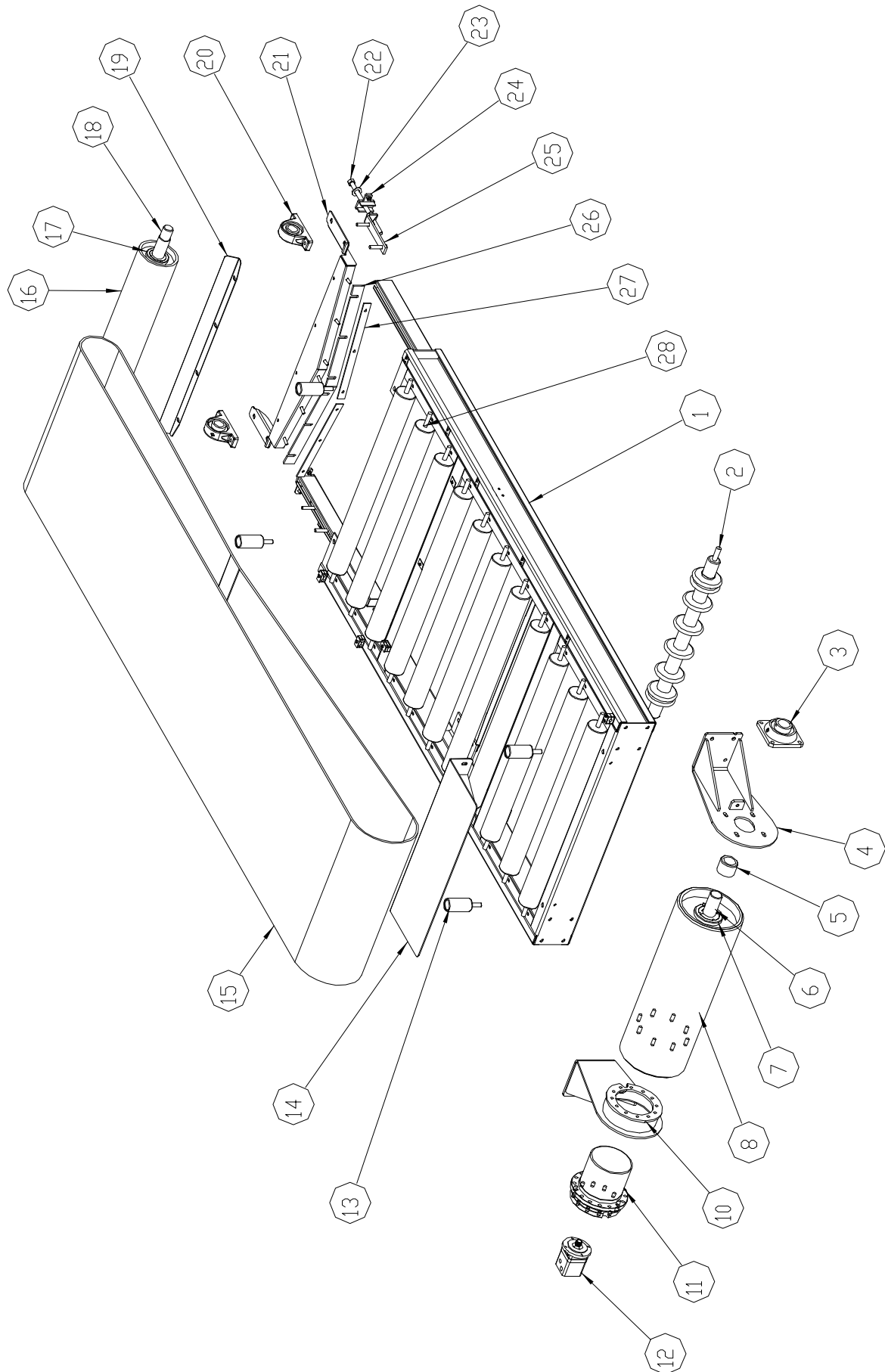
**FIG - 12-03**  
**HOSEKITS**



**FIG - 13-01**  
**STICKER KITS**



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# FEEDER CONVEYOR

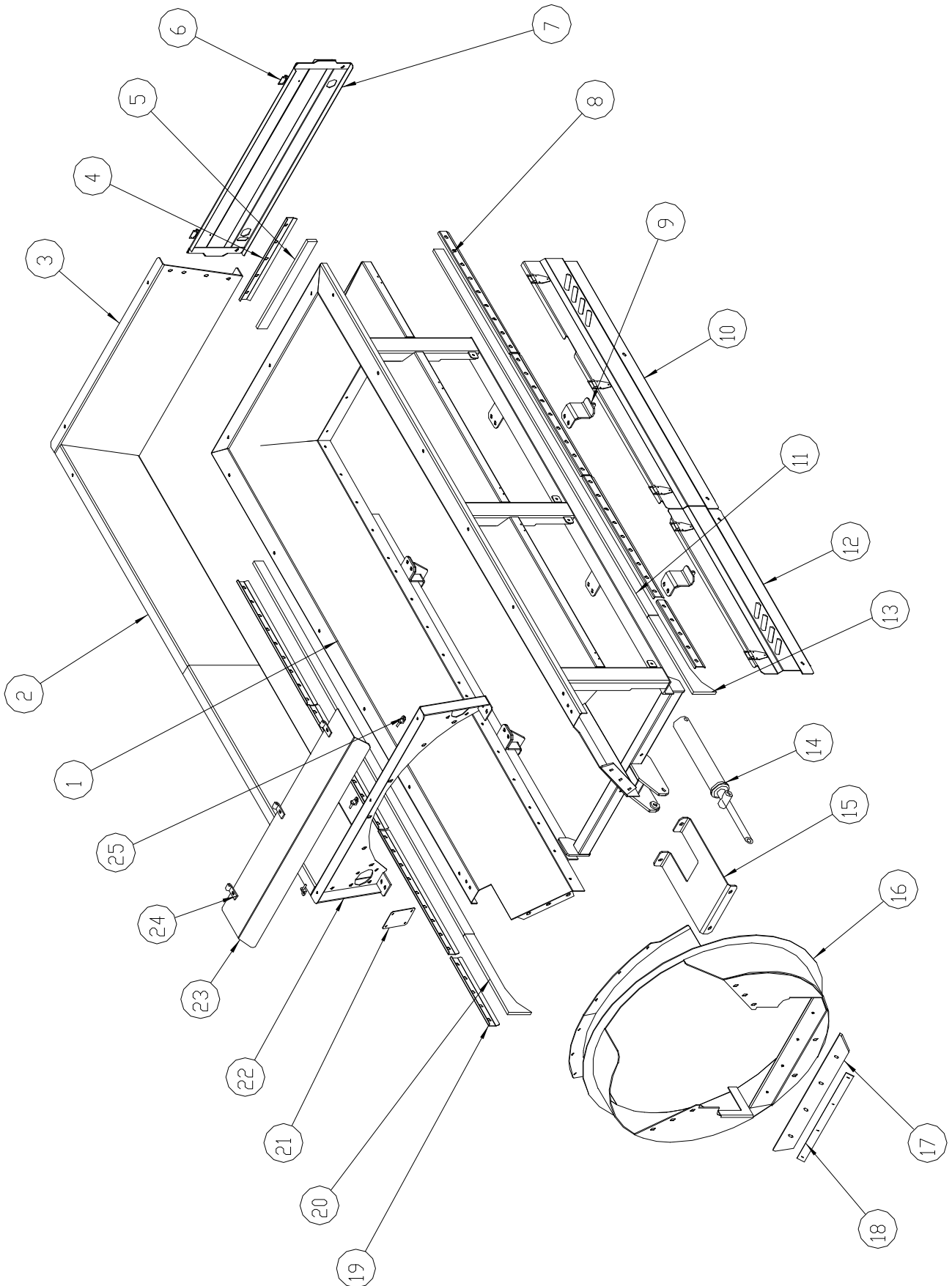
Figure: 01-01

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Item	Part No	Rev	Description	Qty
1	15930100	1	FEEDER CONVEYOR FRAME	1
2	12130416	0	DISC RETURN ROLLER	1
3	05121159	0	BEARING Supersedes 05120159 22/09/03 (Interchangeable)	1
4	15930113	0	HEAD DRUM MTG PLATE <i>FROM S/N 15900217</i>	1
5	15830117	0	DRIVE DRUM SPACER COLLAR	1
6	15930114	0	FEEDER DRIVE DRUM SHAFT <i>FROM S/N 15900217</i>	1
7	03210165	0	TAPERLOCK	2
8	15930109	0	FEEDER DRIVE DRUM <i>FROM S/N 15900217</i>	8
10	15930112	0	FEEDER GEARBOX MTG PLATE	1
11	06663100	0	GEARBOX	1
12	01920254	0	HYDRAULIC MOTOR	1
13	09230195	0	GUIDE ROLLER	4
14	15930131	0	HEAD DRUM GUARD	1
15	15930106	0	EXTENDED FEEDER CONVEYOR BELT	1
16	15830125	0	TAIL DRUM	1
17	15930127	0	TAIL DRUM SPACER	2
18	15930126	0	TAIL DRUM SHAFT	1
19	15930143	0	SCRAPER PLATE	1
20	09900405	0	TNP2" 3 BEARING	2
21	15930140	0	TAIL DRUM SCRAPER	1
22	06930243	0	ADJUSTER ROD	2
23	00020006	0	WASHER	2
24	15930115	0	DRUM ADJUSTER CAP	2
25	09830421	1	BEARING ADJUSTER	2
26	15930142	0	FEEDER CONV SCRAPER RUBBER	1
27	15930141	0	FEEDER CONV SCRAPER CLAMP	2
28	04220124	0	ROLLER	11





# FEEDER HOPPER

Figure: 01-02

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Item	Part No	Rev	Description	Qty
1	15930152	0	EXTENDED FEEDER HOPPER <i>FROM S/N 15900217</i>	1
2	15830161	0	HOPPER EXTENSION BACKPLATE	1
3	15830162	0	HOPPER EXTENSION ENDPLATE	1
4	07220148	0	GALVANISED CLAMP	1
5	15830136	0	SKIRTING RUBBER(REAR)	1
6	09499104	0	STAIN/STEEL HINGE	12
7	15970105	0	FEEDER REAR DOOR	1
8	05130213	0	GALVANISED CLAMP	6
9	15930135	0	FEEDER RETAINING BRACKET	4
10	15970103	0	FEEDER FRONT SIDE GUARD RH <i>RIGHT HAND</i>	1
10	15970104	0	FEEDER FRONT SIDE GUARD LH <i>LEFT HAND</i>	1
11	15830135	0	SKIRTING RUBBER	2
12	15970102	0	HOPPER SIDE DOOR RH <i>RIGHT HAND</i>	1
12	15970106	0	HOPPER SIDE DOOR LH <i>LEFT HAND</i>	1
13	15930187	0	EXTENDED HOPPER CONTOUR RUBBER <i>FROM S/N 15900217</i>	1
14	09460300	0	RAM <i>FROM S/N 15900217</i>	1
15	15930188	0	EXTENDED DRUM SEALING PLATE SUPPORT <i>FROM S/N 15900217</i>	1
16	15930165	0	DRUM SEALING PLATE <i>FROM S/N 15900217</i>	1
16	15930179	0	FEEDER DRUM SEALING CAP <i>FROM S/N 15900217</i>	1
17	15930164	0	EXTENDED BELT FEEDER SCRAPER <i>FROM S/N 15900217</i>	1
18	15830141	0	BELT CLEANER STRIP	1
19	09830127	0	GALVANISED CLAMP <i>FROM S/N 15900217</i>	2
20	15930187	0	EXTENDED HOPPER CONTOUR RUBBER	1
21	15830163	0	HOPPER EXTENSION COVERPLATE	1
22	15930160	0	HOPPER EXTENSION BRIDGE	1
23	15830177	0	TROMMEL RING COVER	1
24	02011133	0	SLOTTED HINGE EYE	3
25	01950204	0	HINGE PIN BOLT ON	3



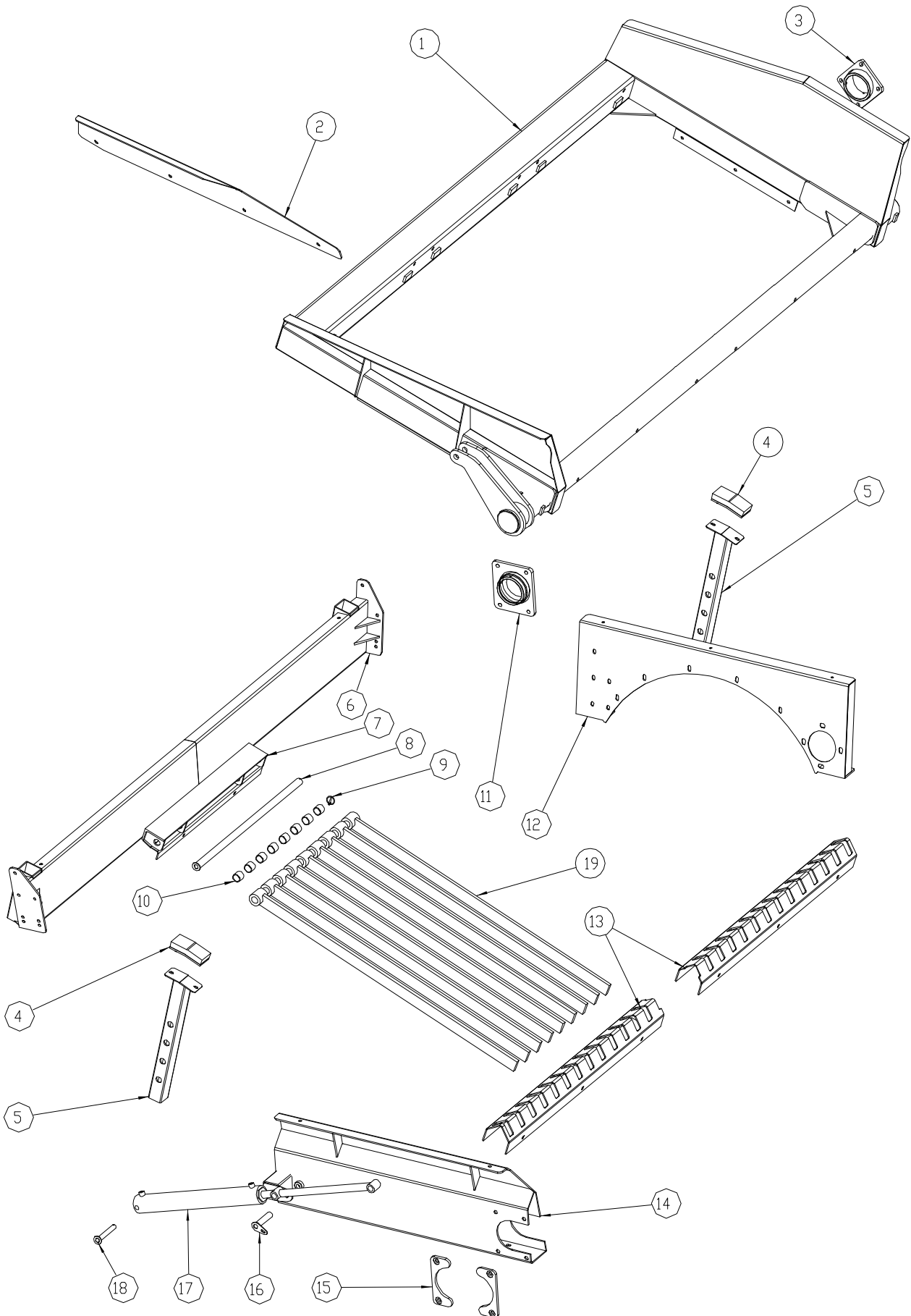
# STRENGTHENED TIPPING GRID TIPPING GRID

Figure: 01-03

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Rev: C





**STRENGTHENED TIPPING GRID**  
**TIPPING GRID**

Figure: **01-03**

**ORION 1400**

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Rev: **C**

Item	Part No	Rev	Description	Qty
1	15940100	0	TIPPING GRID FRAME	1
2	15840118	0	WING PLATE EXTENSION	1
3	15940211	0	TIPPING GRID PIVOT	1
4	06740135	0	RUBBER MOUNT	2
5	15840103	0	TIPPING GRID SUPPORT ARM	2
6	15840101	0	TIPPING GRID BACKPLATE	1
7	15840222	0	GRID BAR CASSETTE 4" <i>4" ONLY</i>	3
7	15840223	0	GRID BAR CASSETTE 6" <i>6" ONLY</i>	2
7	15840224	0	GRID BAR CASSETTE 6" LH <i>6" ONLY</i>	1
8	15840216	0	TIPPING GRID BAR RETAINING PIN <i>SAME FOR 6" GRID</i>	3
9	02010207	0	COTTER PIN <i>SAME AS 6" GRID</i>	3
10	15840135	0	4" PIPE SPACER <i>USED ON THE 6" GRID MIDDLE CASSETTE</i>	2
10	15840137	0	6" PIPE SPACER <i>6" ONLY</i>	17
10	15840221	0	4" PIPE SPACER	24
11	17640110	0	TIPPING GRID PIVOT	1
12	15940160	0	HOPPER EXTENSION BRIDGE	1
13	15840225	0	6" GRID RETAINER <i>6" ONLY</i>	2
13	15940219	1	4" GRID RETAINER <i>4" ONLY</i>	2
14	15940220	0	RAM MOUNTING BRACKET	1
15	15940241	0	GRID PIVOT BRACE	2
16	15980105	0	PIN	1
17	17660115	0	TIPPING GRID RAM	1
18	01950198	0	PIN	1
19	17640126	0	GRID BAR ASSY <i>18 OFF FOR 6" GRID</i>	27



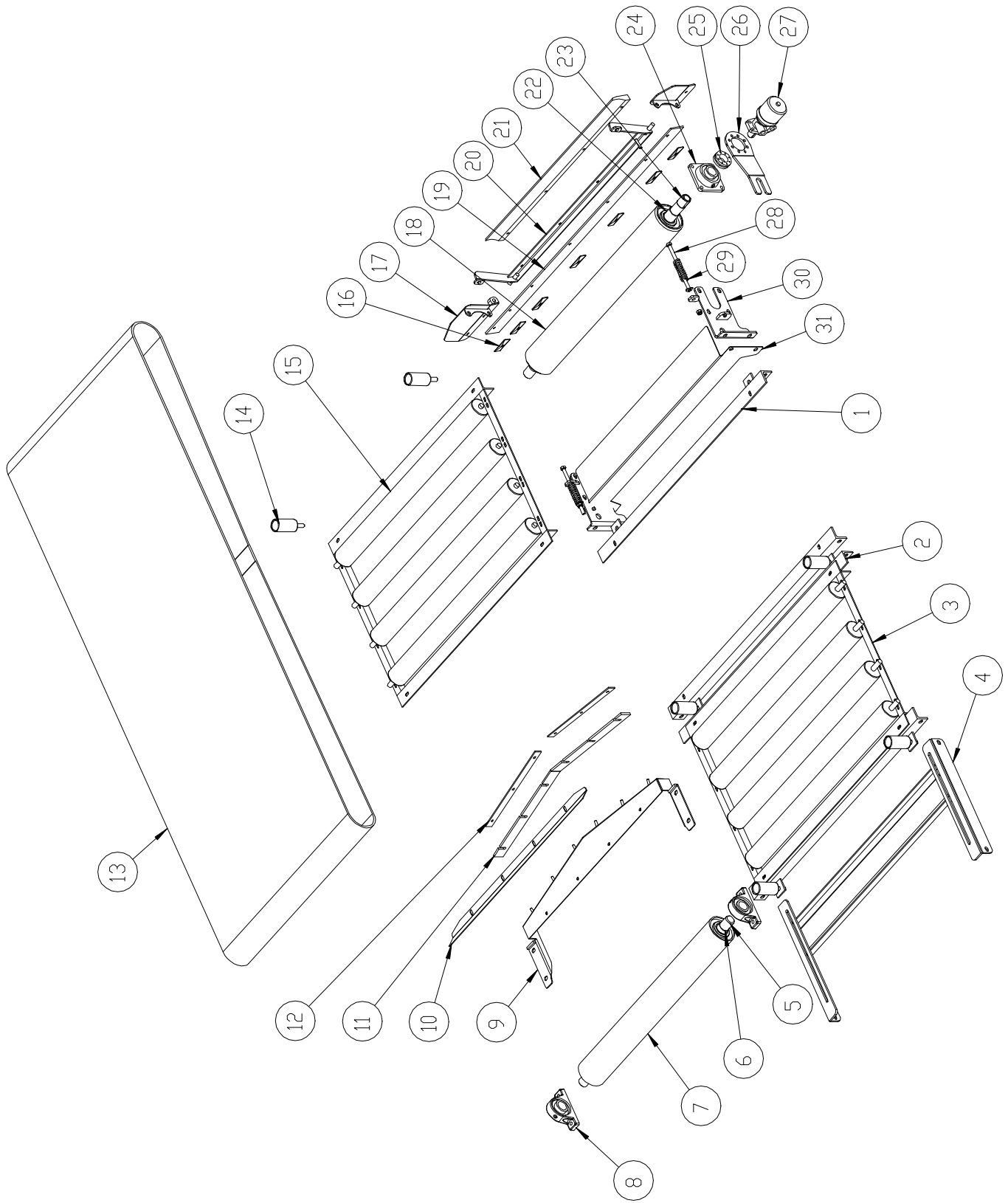
CONVEYOR  
COLLECTION CONVEYOR

Figure: 02-01

ORION 1400

Issue Date: 15 / 3 / 07

Rev:A





**CONVEYOR**  
**COLLECTION CONVEYOR**

Figure: **02-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	15930366	0	CASSETTE MOUNTING ANGLE 1	2
2	15930365	0	CASSETTE MOUNTING ANGLE 2	2
3	15930360	0	CASSETTE FRAME	2
4	15930312	0	TAIL BEARING MTG	1
5	15930331	0	TAIL DRUM SHAFT	1
6	15930332	0	TAIL DRUM COLLAR	2
7	15930330	0	TAIL DRUM	1
8	09900405	0	TNP2" 3 BEARING	2
9	15930345	0	SCRAPER FRAME	1
10	15930348	0	TAIL DRUM SCRAPER PLATE	1
11	15930347	0	FEEDER CONV SCRAPER RUBBER	1
12	15930346	0	COLLECTION CONVEYOR SCRAPER CLAMP	2
13	15930305	0	PLAIN BELT	1
14	09230195	0	GUIDE ROLLER	4
15	12230680	0	ROLLER	8
16	12010131	0	CLAMP	7
17	15930341	0	SCRAPER MTG BRKT RH	1
17	15930342	0	SCRAPER MTG BRKT LH	1
18	15930335	0	DRIVE DRUM	1
19	15930343	0	COLLECTION TO TRANSFER CONV RUBBER	1
20	15930340	0	COLLECTION CONV BELT SCRAPER FRAME	1
21	15930344	0	BLADE SCRAPER	1
22	15930337	0	COLL CONV DRIVE DRUM COLLAR	2
23	15930336	0	COLL CONV DRIVE DRUM SHAFT	1
24	02251105	0	BEARING Supersedes 02250105 22/09/03 (Interchangeable)	2
25	15930350	0	SHRINK DISC	1
26	15930323	0	MOTOR STAND TORQUE ARM	1
27	02220225	0	HYDRAULIC MOTOR	1
27	15560115	0	HYDRAULIC MOTOR <i>FROM 08/05 - 15900127 (approx)</i>	1
28	00016280	0	BOLT	2
29	15680052	0	SPRING	2
30	15930310	0	HEAD DRUM MTG PLATE LH	1
30	15930311	0	HEAD DRUM MTG PLATE RH <i>(SHOWN)</i>	1
31	15930320	0	COLL CONV HEAD DRUM GUARD	1



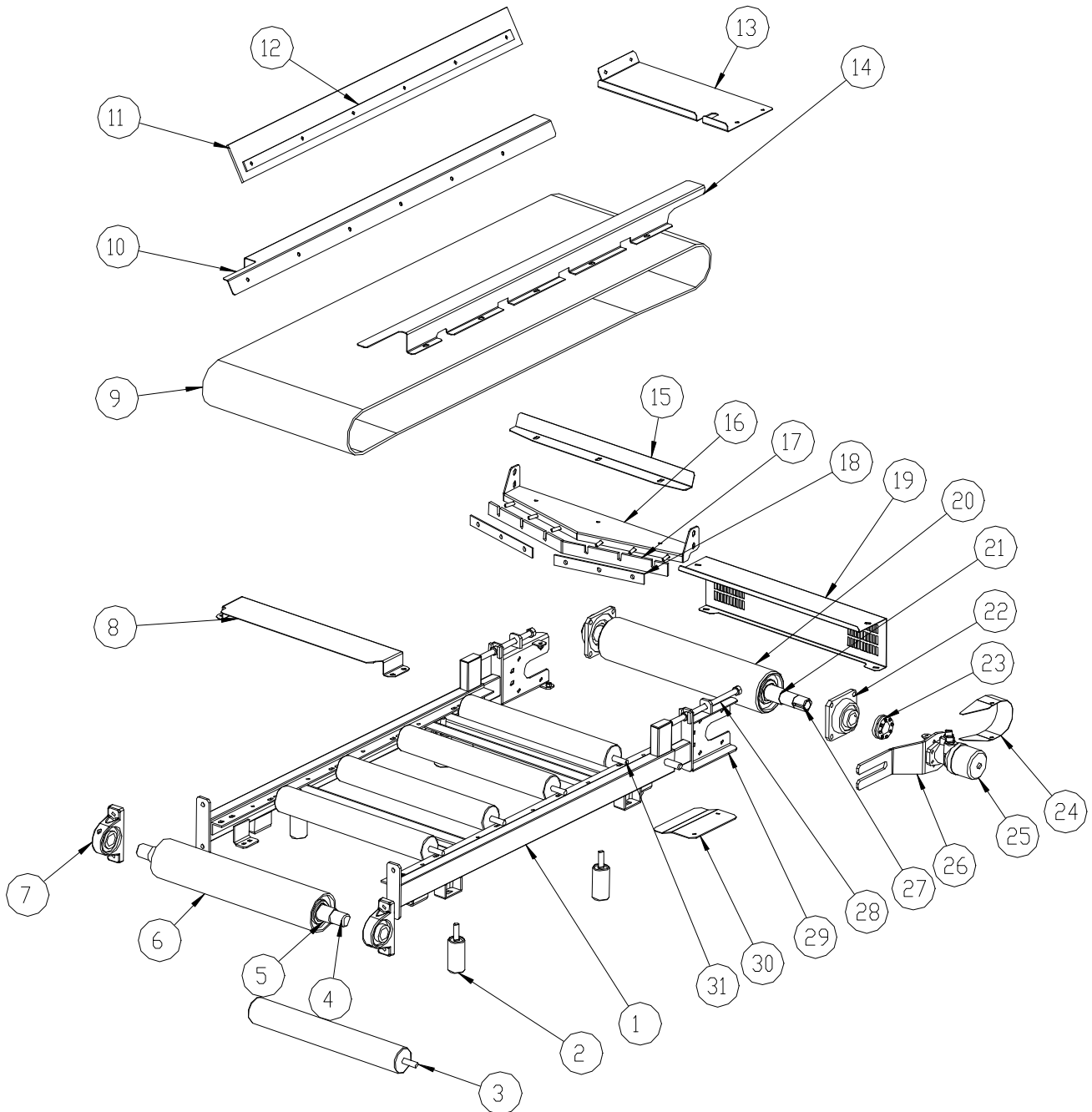
**CONVEYOR**  
**TRANSFER CONVEYOR**

Figure: **03-01**

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**CONVEYOR**  
**TRANSFER CONVEYOR**

Figure: **03-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	15930200	0	TRANSFER CONVEYOR	1
2	09230195	0	GUIDE ROLLER	4
3	02021145	0	ROLLER	2
4	15930216	0	TRANSFER CONV TAIL DRUM SHAFT	1
5	15930217	0	TRANSFER CONV TAIL DRUM SPACER	2
6	15930215	0	TAIL DRUM	1
7	09900405	0	TNP2" 3 BEARING	2
8	15930264	0	TRANSFER CONVEYOR HEAD DRUM GUARD	1
9	15930205	0	BELT	1
10	15930222	0	TRANSFER CONVEYOR SKIRTING	1
11	15930256	0	TRANSFER CONV SKIRTING LOWER RUBBER	1
12	15930255	0	TRANSFER CONVEYOR RUBBER CLAMP	1
13	15930226	0	TRANSFER GUARD	1
14	15930220	0	TRANSFER CONVEYOR SKIRTING	1
15	15930236	0	SCRAPER PLATE	1
16	15930235	0	TRANSFER CONV HEAD DRUM SCRAPER	1
17	15930237	0	TRANSFER CONV HEAD DRUM RUBBER	1
18	15930238	0	TRANSFER CONV HEAD DRUM RUBBER CLAMP	2
19	15970120	0	TRANSFER CONVEYOR REAR GUARD	1
20	15930210	0	DRIVE DRUM	1
21	15930212	0	TAIL DRUM SPACER	2
22	02251105	0	BEARING Supersedes 02250105 22/09/03 (Interchangeable)	2
23	15930350	0	SHRINK DISC	1
24	15930325	0	COUPLING COVER	1
25	02220225	0	HYDRAULIC MOTOR	1
26	15930324	0	MOTOR TORQUE ARM	1
27	15930211	0	HEAD DRUM SHAFT	1
28	06930243	0	ADJUSTER ROD	2
29	15930201	0	TAIL DRUM ADJUSTER <i>LEFT HAND</i>	1
29	15930202	0	TAIL DRUM ADJUSTER RH <i>RIGHT HAND</i>	1
30	15970125	0	RH GUARD <i>RIGHT HAND</i>	1
30	15970126	0	LH GUARD <i>LEFT HAND</i>	1
31	02021145	0	ROLLER	4



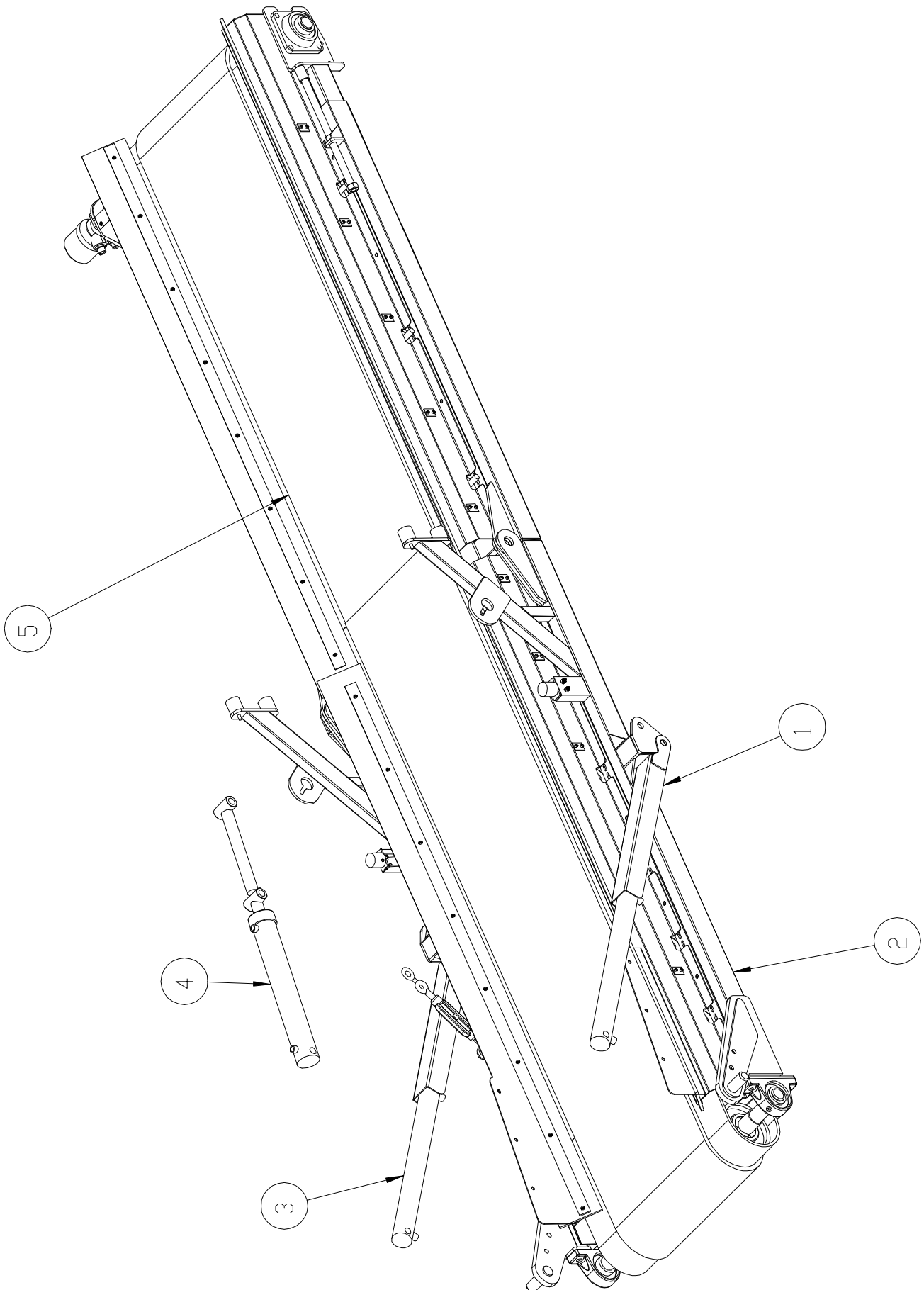
**CONVEYOR**  
**SIDE CONVEYOR ASSEMBLY**

Figure: **04-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**





**CONVEYOR**  
**SIDE CONVEYOR ASSEMBLY**

Figure: **04-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

<b>Item</b>	<b>Part No</b>	<b>Rev</b>	<b>Description</b>	<b>Qty</b>
1	15930440	0	SIDE CONVEYOR RAM COVER	2
2	15930400_SECTION	0	SIDE CONVEYOR SECTION	1
3	15960105	0	RAM	2
4	15860115	0	RAM	1
5	15932405	0	CHEVRON BELT	1



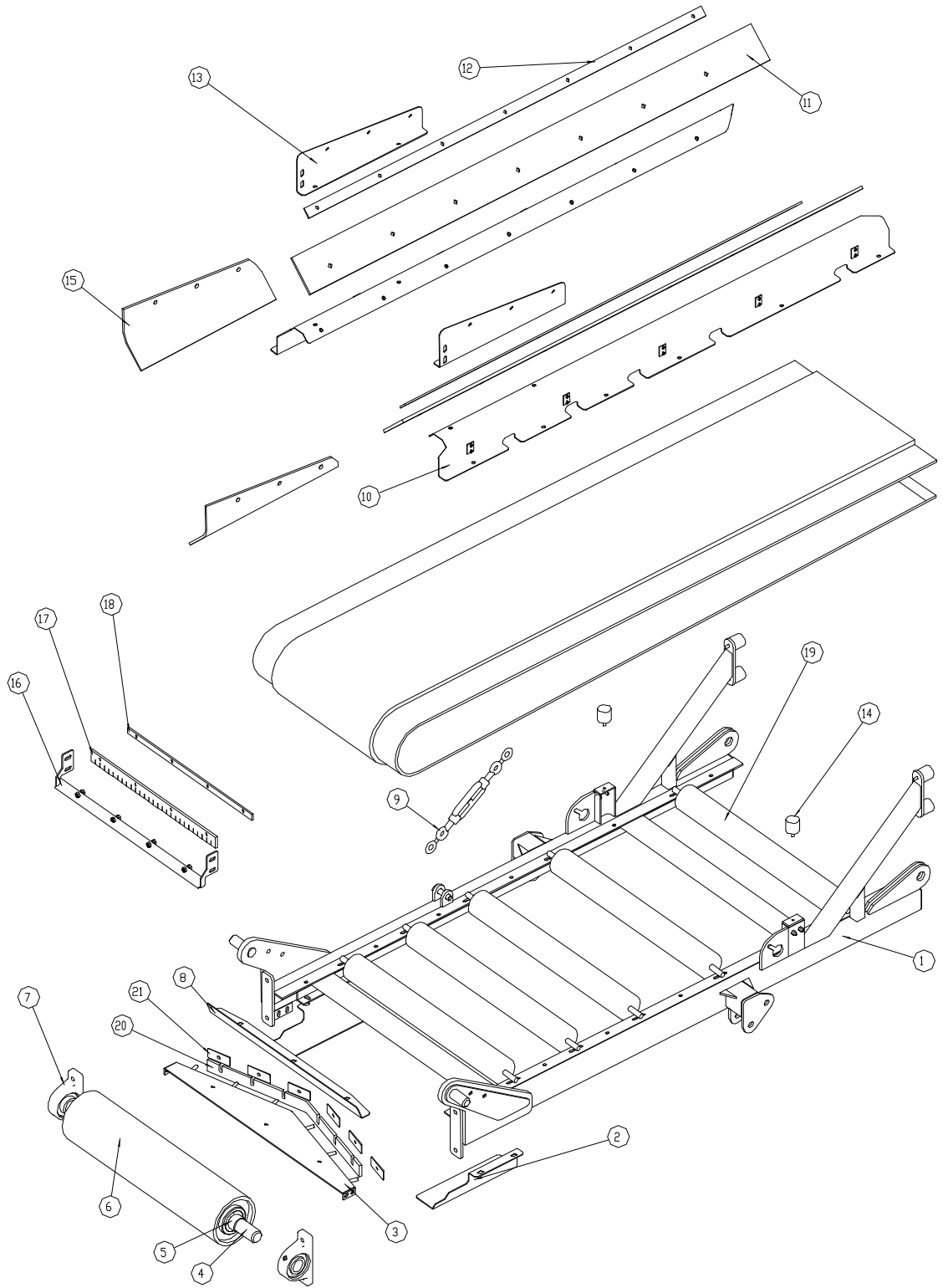
**SIDE CONVEYOR**  
**SIDE CONVEYOR LOWER**

Figure: **04-02**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **B**





**SIDE CONVEYOR**  
**SIDE CONVEYOR LOWER**

Figure: **04-02**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **B**

Item	Part No	Rev	Description	Qty
1	15930400	0	SIDE CONVEYOR FRAME LOWER	1
2	15970130	0	SIDE CONVEYOR LOWER GUARD <i>RIGHT HAND</i>	1
2	15970131	0	SIDE CONVEYOR LOWER GUARD <i>LEFT HAND REPLACEMENT FOR ALL MACHINES</i>	1
2	15970131	0	SIDE CONVEYOR LOWER GUARD <i>LEFT HAND</i>	1
2	15970131	1	SIDE CONVEYOR LOWER GUARD <i>LEFT HAND REPLACEMENT FOR ALL MACHINES</i>	1
2	15970130	1	SIDE CONVEYOR LOWER GUARD <i>RIGHT HAND REPLACEMENT GUARD ON ALL MACHINES</i>	1
3	15930435	0	TAIL DRUM SCRAPER FRAME	1
4	15930416	0	SIDE CONVEYOR TAIL DRUM SHAFT	1
5	15930417	0	SIDE CONVEYOR TAIL DRUM SPACER	2
6	15930415	0	TAIL DRUM <i>SUPERSEDED PART NO 15930515 FOR ALL MACHINES</i>	1
7	09900405	0	TNP2" 3 BEARING	2
8	15930236	0	SCRAPER PLATE	1
9	02030635	0	RIGGING SCREW	1
10	15930420	0	SIDE CONVEYOR LOWER SKIRTING <i>RIGHT HAND</i>	1
10	15930421	0	SIDE CONVEYOR LOWER SKIRTING <i>LEFT HAND</i>	1
11	15930462	0	SIDE CONVEYOR SKIRTING UPPER RUBBER <i>SKIRTING RUBBER IS FULL LENGTH OF CONVEYOR</i>	2
12	15930463	0	SIDE CONVEYOR RUBBER CLAMP	2
13	15930422	1	SIDE CONVEYOR SKIRTING EXTENSION <i>RIGHT HAND</i>	1
13	15930423	1	SIDE CONVEYOR SKIRTING EXTENSION <i>LEFT HAND</i>	1
14	15830376	0	BUSHING	6
15	15930425	0	SIDE CONVEYOR FEEDBOOT RUBBER	2
16	15930427	0	ORION 1400 SIDE CONVEYOR FEEDBOOT BACK <i>RETRO FITTED TO MC 15900055 &amp; 15900136 FITTED IN FACTORY FROM MC 15900172</i>	1
17	15930428	0	ORION 1400 SIDE CONVEYOR FEEDBOOT BACK RUBBER <i>RETRO FITTED TO MC 15900136 &amp; 15900055 FITTED IN FACTORY FROM MC 159000172</i>	1
18	15930429	0	SIDE CONVEYOR FEEDBOOT BACK CLAMP BAR <i>RETRO FITTED TO MC 15900055 &amp; 15900136 FITTED IN FACTORY FROM MC 15900172</i>	1
19	05420143	0	ROLLER	5
20	15930237	0	TRANSFER CONV HEAD DRUM RUBBER	1
21	12010131	0	CLAMP	6



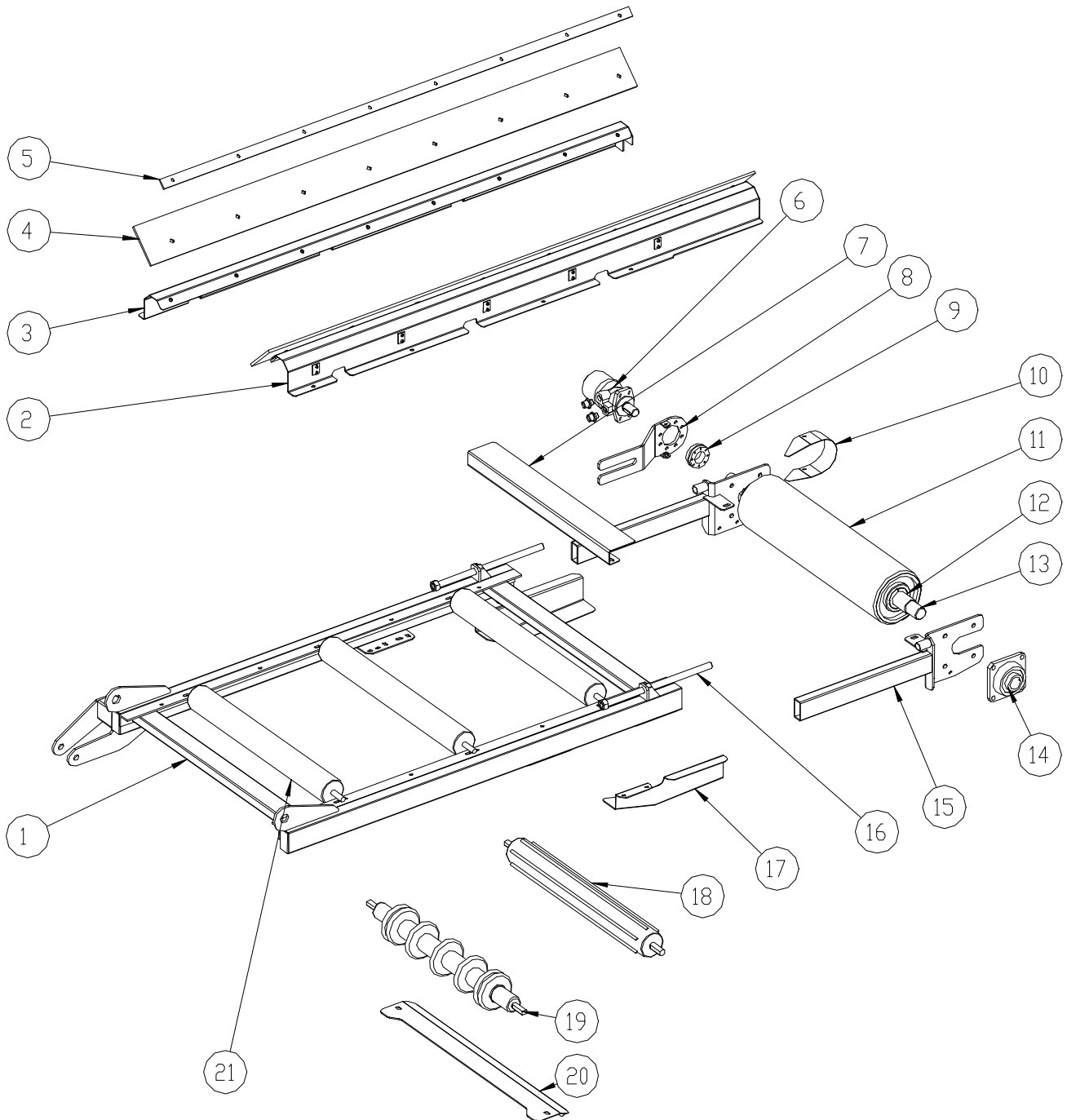
# CONVEYOR SIDE CONVEYOR UPPER

Figure: 04-03

ORION 1400

Issue Date: 15 / 3 / 07

Rev:A





**CONVEYOR**  
**SIDE CONVEYOR UPPER**

Figure: **04-03**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	15930450	0	SIDE CONVEYOR UPPER FRAME	1
2	15930460	0	SIDE CONVEYOR SKIRTING RH	1
3	15930461	0	SIDE CONVEYOR SKIRTING LH	1
4	15930462	0	SIDE CONVEYOR SKIRTING UPPER RUBBER	2
5	15930463	0	SIDE CONVEYOR RUBBER CLAMP	2
6	02220225	0	HYDRAULIC MOTOR	1
7	15930457	0	SIDE CONVEYOR HEADDRUM GUARD	1
8	15930324	0	MOTOR TORQUE ARM	1
9	15930350	0	SHRINK DISC	1
10	15930325	0	COUPLING COVER	1
11	15930510	0	DRIVE DRUM	1
12	15930512	0	HEAD DRUM SPACER	2
13	15930511	0	HEAD DRUM SHAFT	1
14	02251105	0	BEARING Supersedes 02250105 22/09/03 (Interchangeable)	2
15	15930455	0	HEAD DRUM MTG LH <i>LEFT HAND</i>	1
15	15930456	0	HEAD DRUM MTG RH <i>RIGHT HAND</i>	1
16	02420116	0	ADJUSTER ROD	2
17	15930465	0	BEATER ROLLER GUARD <i>LEFT HAND</i>	1
17	15930466	0	BEATER ROLLER GUARD <i>RIGHT HAND</i>	1
18	05421143	0	BEATER ROLLER	1
19	12030426	0	DISC RETURN ROLLER	1
20	15970143	0	DISC ROLLER GUARD	1
21	05420143	0	ROLLER	3



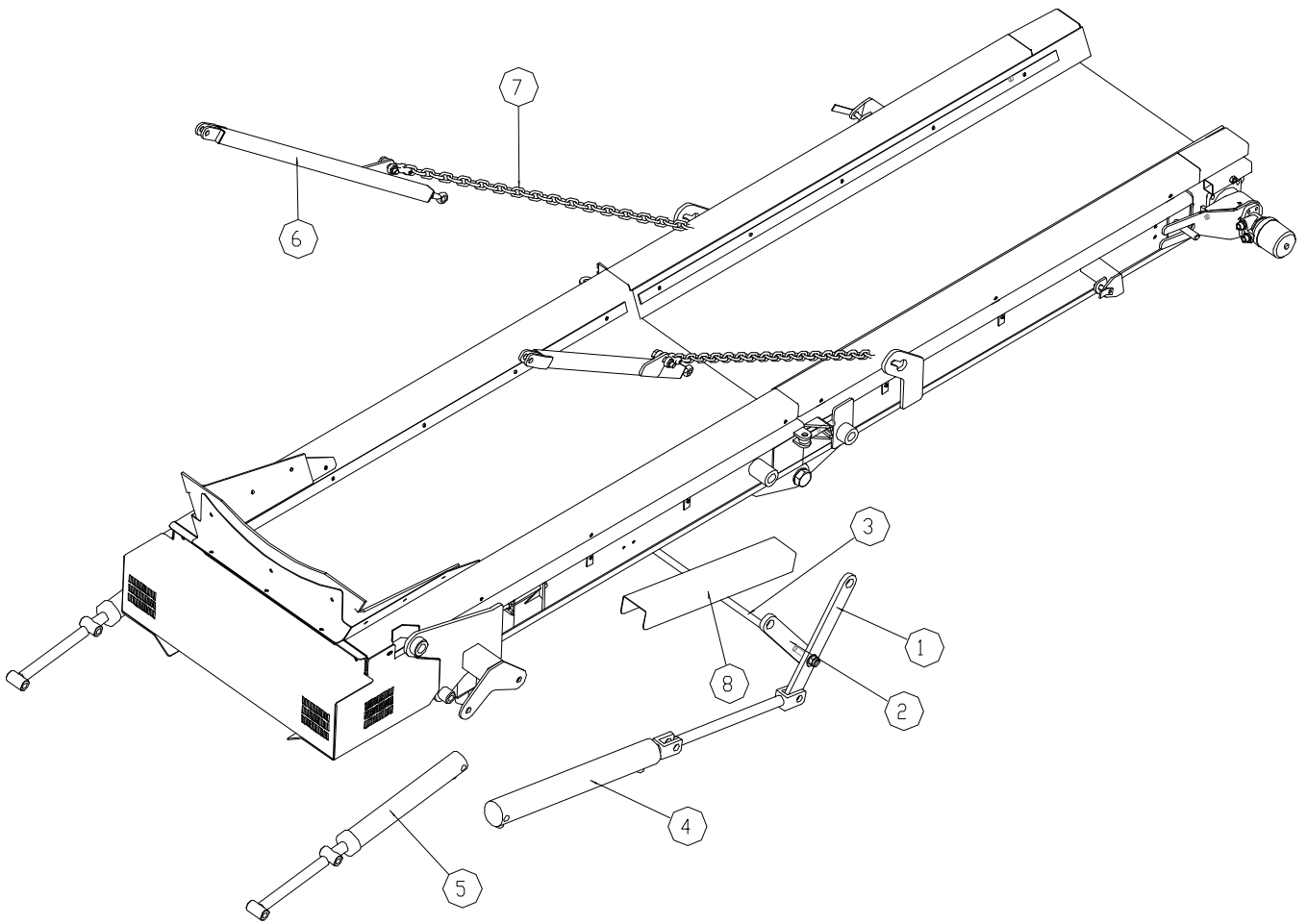
**TAIL CONVEYOR**  
**TAIL CONVEYOR ASSEMBLY**

Figure: **05-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **B**







**TAIL CONVEYOR**  
**TAIL CONVEYOR ASSEMBLY**

Figure: **05-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **B**

Item	Part No	Rev	Description	Qty
1	15930531	0	FOLDING LINKAGE	2
2	15930530	0	FOLDING LINKAGE	2
3	15930532	0	FOLD LINKAGE BAR	1
4	15860110	0	FOLD RAM	2
5	15860115	0	RAM	2
6	15930570	0	TRANSPORT STAY RH <i>RIGHT HAND</i>	1
6	15930571	0	TRANSPORT STAY LH <i>LEFT HAND</i>	1
7	15930576	0	SUPPORT CHAIN	2
8	15930545	0	ORION 1400 TAIL CONVEYOR RAM COVER <i>U-BOLT REQUIRED (M10x27x35x50)</i>	2



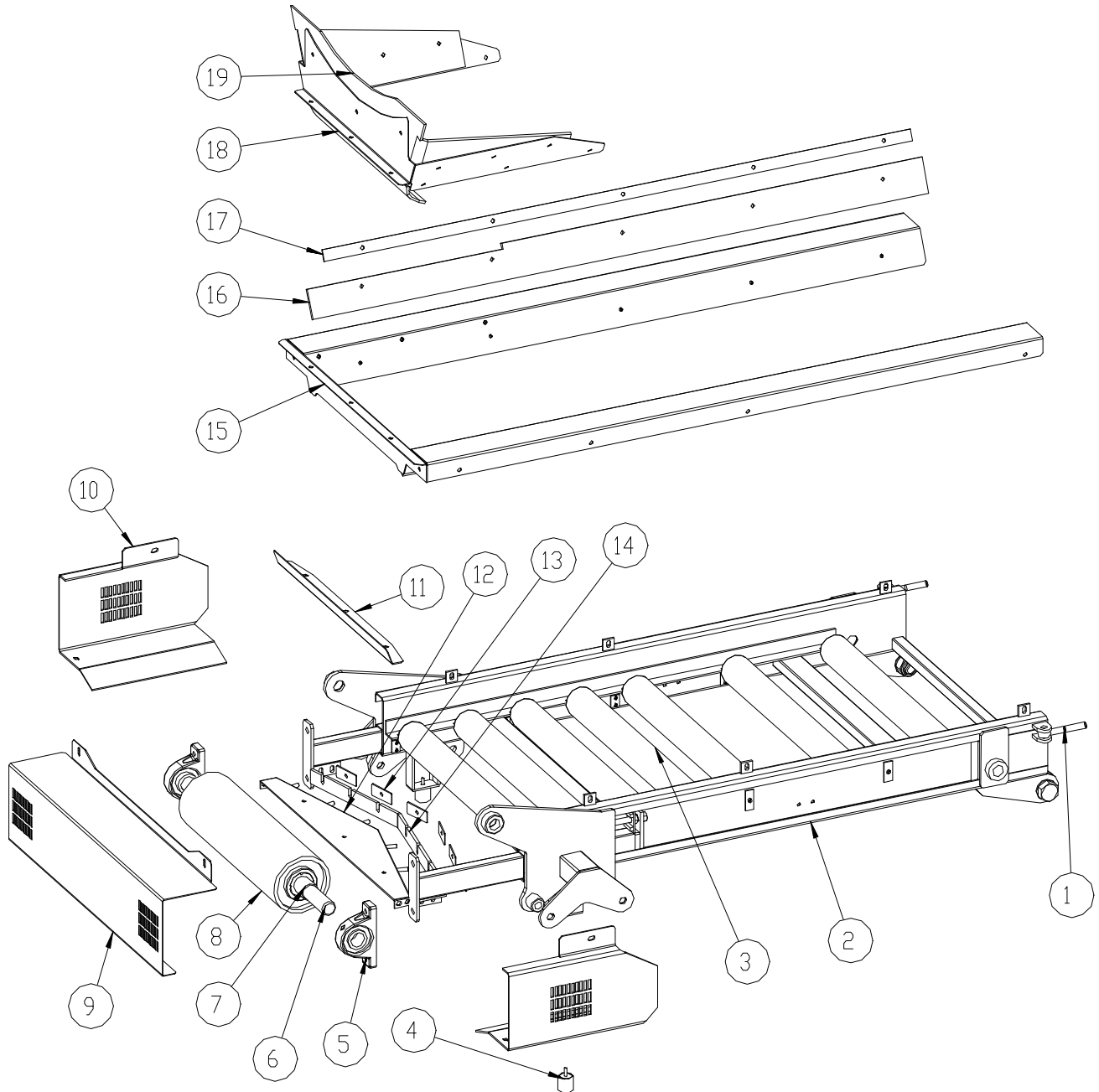
# CONVEYOR TAIL CONVEYOR LOWER

Figure: 05-02

ORION 1400

Issue Date: 15 / 3 / 07

Rev:A





**CONVEYOR  
TAIL CONVEYOR LOWER**

Figure: **05-02**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	12230525	0	ADJUSTER	2
2	15930500	0	TAIL CONVEYOR LOWER	1
3	05420143	0	ROLLER	7
4	15830376	0	BUSHING	2
5	09900405	0	TNP2" 3 BEARING	2
6	15930416	0	SIDE CONVEYOR TAIL DRUM SHAFT	1
7	15930417	0	SIDE CONVEYOR TAIL DRUM SPACER	2
8	15930415	0	TAIL DRUM	1
9	15970142	0	TAIL CONVEYOR REAR GUARD	1
10	15970140	2	REAR SIDE GUARD RH <i>RIGHT HAND</i>	1
10	15970141	2	REAR SIDE GUARD LH <i>LEFT HAND</i>	1
11	15930236	0	SCRAPER PLATE	1
12	15930435	0	TAIL DRUM SCRAPER FRAME	1
13	12010131	0	CLAMP	6
14	15930237	0	TRANSFER CONV HEAD DRUM RUBBER	1
15	15930520	0	TAIL CONVEYOR FEEDBOOT	1
16	15930537	0	LOWER SKIRTING RUBBER	2
17	15930538	0	SKIRTING RUBBER CLAMP	2
18	15930521	0	TAIL CONVEYOR FEEDBOOT EXTENSION	1
19	15930522	0	TAIL CONVEYOR FEEDBOOT RUBBER	1



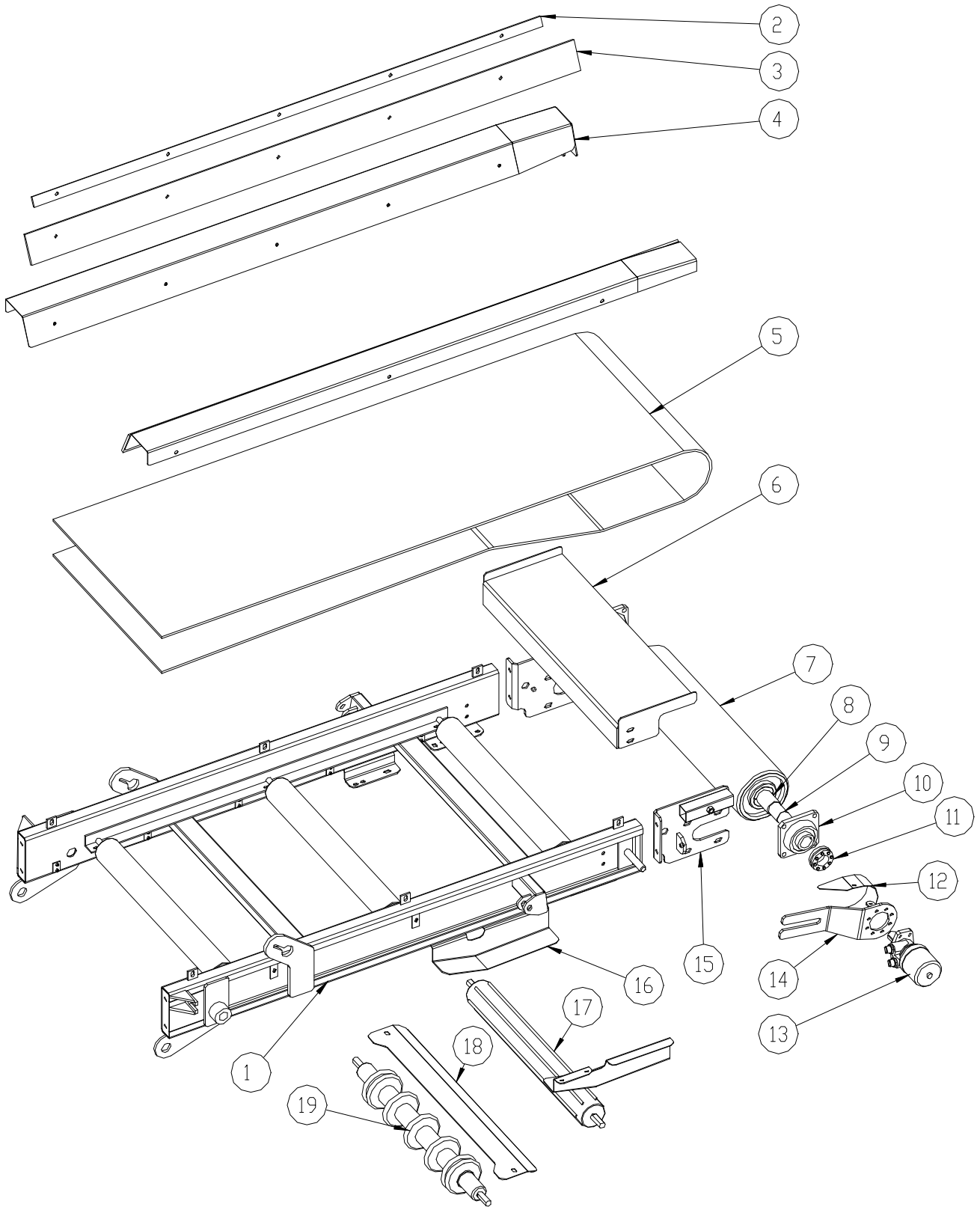
**CONVEYOR**  
**TAIL CONVEYOR UPPER**

Figure: **05-03**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**





**CONVEYOR**  
**TAIL CONVEYOR UPPER**

Figure: **05-03**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	15930550	0	TAIL CONVEYOR UPPER	1
2	15930558	0	SKIRTING RUBBER CLAMP	2
3	15930557	0	UPPER SKIRTING RUBBER	2
4	15930555	0	UPPER SKIRTING RH <i>RIGHT HAND</i>	1
4	15930556	0	UPPER SKIRTING LH <i>LEFT HAND</i>	1
5	15930505	0	BELT	1
6	15970146	0	TAIL CONVEYOR HEAD DRUM GUARD	1
7	15930510	0	DRIVE DRUM	1
8	15930512	0	HEAD DRUM SPACER	2
9	15930511	0	HEAD DRUM SHAFT	1
10	02251105	0	BEARING Supersedes 02250105 22/09/03 (Interchangeable)	2
11	15930350	0	SHRINK DISC	1
12	15930325	0	COUPLING COVER	1
13	15560115	0	HYDRAULIC MOTOR	1
14	15930324	0	MOTOR TORQUE ARM	1
15	15930560	0	HEAD DRUM MTG RH <i>RIGHT HAND</i>	1
15	15930561	0	HEAD DRUM MTG LH <i>LEFT HAND</i>	1
16	15930465	0	BEATER ROLLER GUARD <i>RIGHT HAND</i>	1
16	15930466	0	BEATER ROLLER GUARD <i>LEFT HAND</i>	1
17	05421143	0	BEATER ROLLER	1
18	15970143	0	DISC ROLLER GUARD	1
19	12030426	0	DISC RETURN ROLLER	1



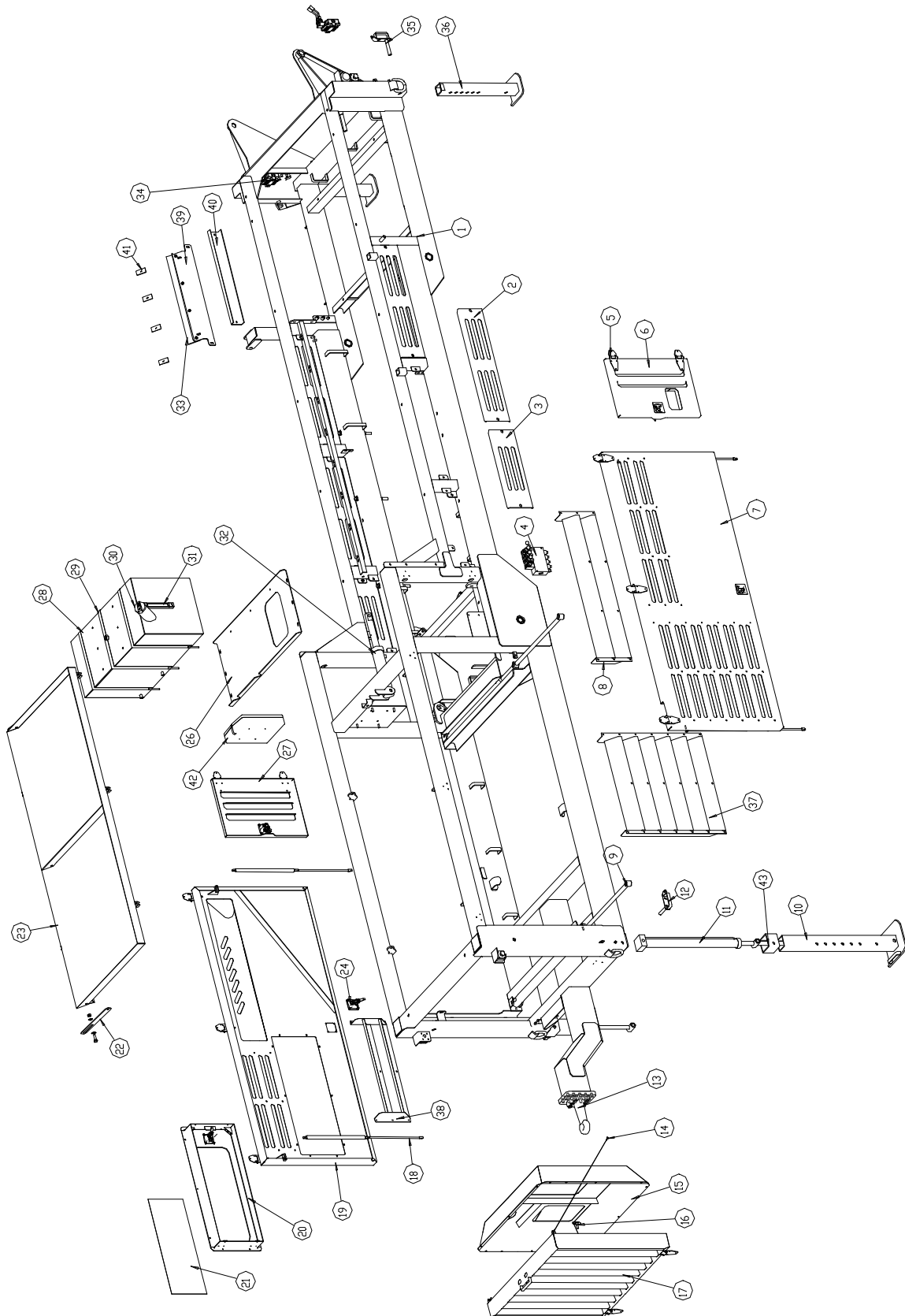
**CHASSIS**  
**CHASSIS**

Figure: **06-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **B**





**CHASSIS**  
**CHASSIS**

Figure: **06-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev:**B**

Item	Part No	Rev	Description	Qty
1	15920101	1	TRACK CHASSIS <i>TRACK CHASSIS</i>	1
1	15920100	2	WHEEL CHASSIS <i>WHEEL CHASSIS</i>	1
2	15920130	0	CHASSIS SIDE GUARD	4
3	15920131	0	SIDE GUARD SMALL	2
4	12260164	0	CONTROL VALVE(4 BANK Supersedes 05760110 23/02/04 (Non Interchangeable)	1
5	09499108	0	STAINLESS STEEL HINGE	10
6	15990137	0	SMALL DOOR RH	1
7	15990135	0	POWERUNIT DOOR RH	1
8	15990139	0	POWERUNIT DOOR LOUVRE	1
9	15960107	0	RAM	2
10	15920120	0	JACKING LEG <i>WHEEL MACHINE ONLY</i>	2
11	12260125	0	RAISE/LOWER RAM <i>WHEEL MACHINE ONLY</i>	2
12	15980102	0	PIN	2
13	15920110	0	TOWBAR <i>WHEEL MACHINE ONLY</i>	1
14	15990132	0	WIRE ROPE	2
15	15990131	0	AIR INTAKE BACK PLATE	1
16	02030475	0	FASTENER	2
17	15990130	0	AIR INTAKE DOOR	1
18	15990205	0	GAS SPRING	4
19	15990140	2	POWERUNIT DOOR LH	1
20	15990141	0	CONTROL PANEL ACCESS DOOR	1
21	15990143	0	POWERUNIT DOOR GLASS	1
22	15930181	0	SPILLAGE TRAY SUPPORT	2
23	15930180	0	FEEDER SPILLAGE TRAY	1
24	12290153	0	DOOR HANDLE	4
26	15920150	0	DIESEL TANK MTG TRAY	1
27	15990138	0	POWERUNIT SMALL DOOR LH	1
28	15920135	2	DIESEL TANK	1
29	15920136	0	DIESEL TANK STRAP	3
30	02210163	0	DIESEL TANK CAP	1
31	05690195	0	LEVEL GAUGE	1
32	12160100	0	TN1800 HOPPER FOLDING RAM	1
33	15930478	0	ORION 1400 TRANSFER CONVEYOR BELT CLEANER <i>Retro fitted to MC 15900136 &amp; 15900055 fitted in factory from MC 15900172</i>	1
34	12260162	0	CONTROL VALVE(2 BANK Supersedes 06560326 01/03/04 (Non Interchangeable)	2
35	15980102	0	PIN	2
36	15920125	0	REAR JACKING LEG <i>WHEEL MACHINE ONLY</i>	2
37	15990144	0	POWERUNIT DOOR LOUVRE LARGE <i>Changed as of MC 15900055</i>	1
38	15990148	0	POWERUNIT DOOR LOUVRE SHORT <i>Changed as of MC15900055</i>	1



**CHASSIS**  
**CHASSIS**

Figure: **06-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **B**

Item	Part No	Rev	Description	Qty
39	15930475	0	ORION 1400 TRANSFERE CONVEYOR SCRAPER <i>Retro fitted to MC 15900136 &amp; 15900055 fitted in factory from MC 15900172</i>	1
40	15920245	0	CHASSIS HOSE COVER	1
41	12011131	0	RUBBER CLAMP (80MM)	4
42	06620420	0	STORAGE BOX	1
43	15920123	0	ORION 1400 JACKING LEG SHOE	2





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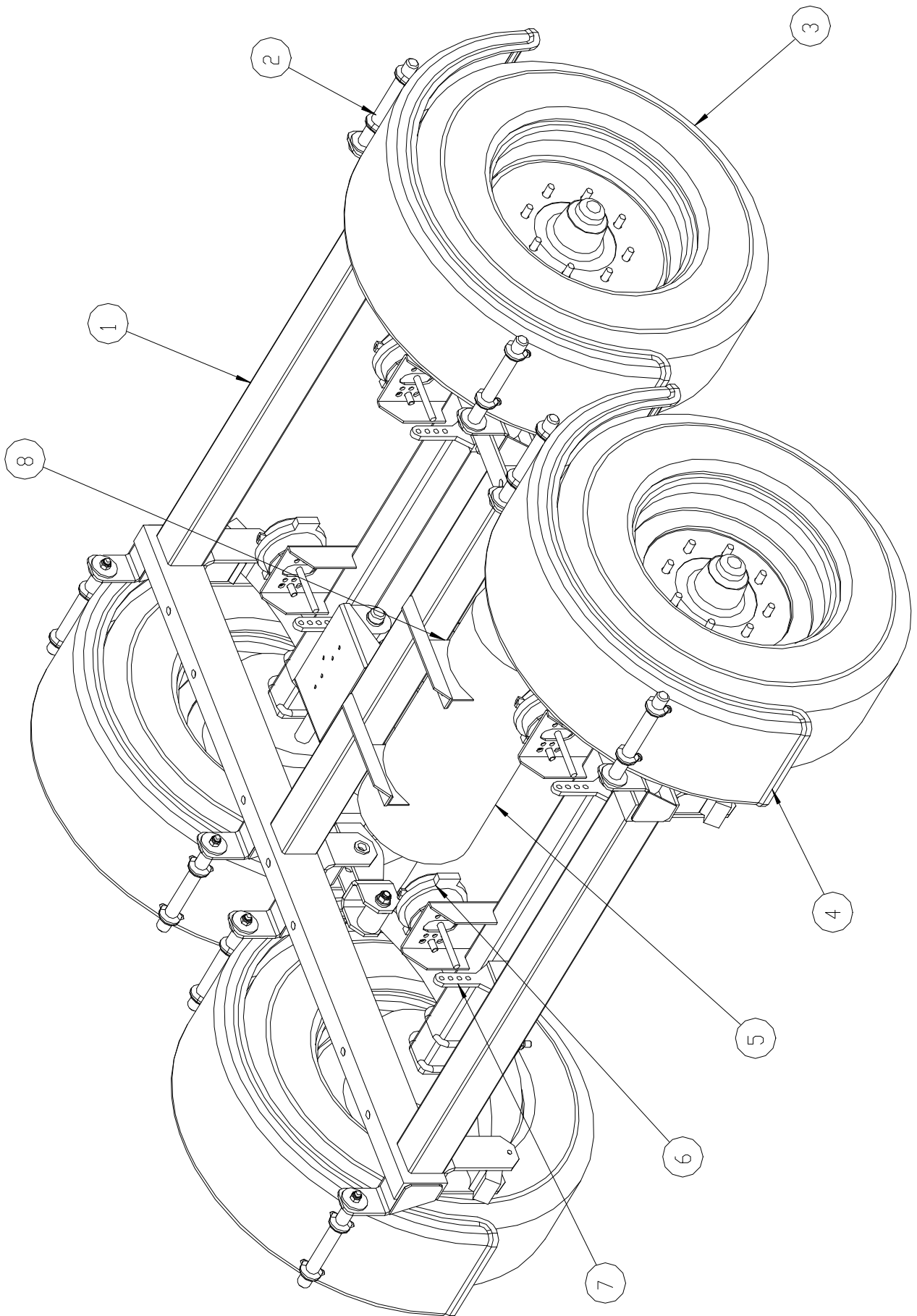
**CHASSIS SECTION  
WHEEL BOGIE**

Figure: **07-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**





**CHASSIS SECTION**  
**WHEEL BOGIE**

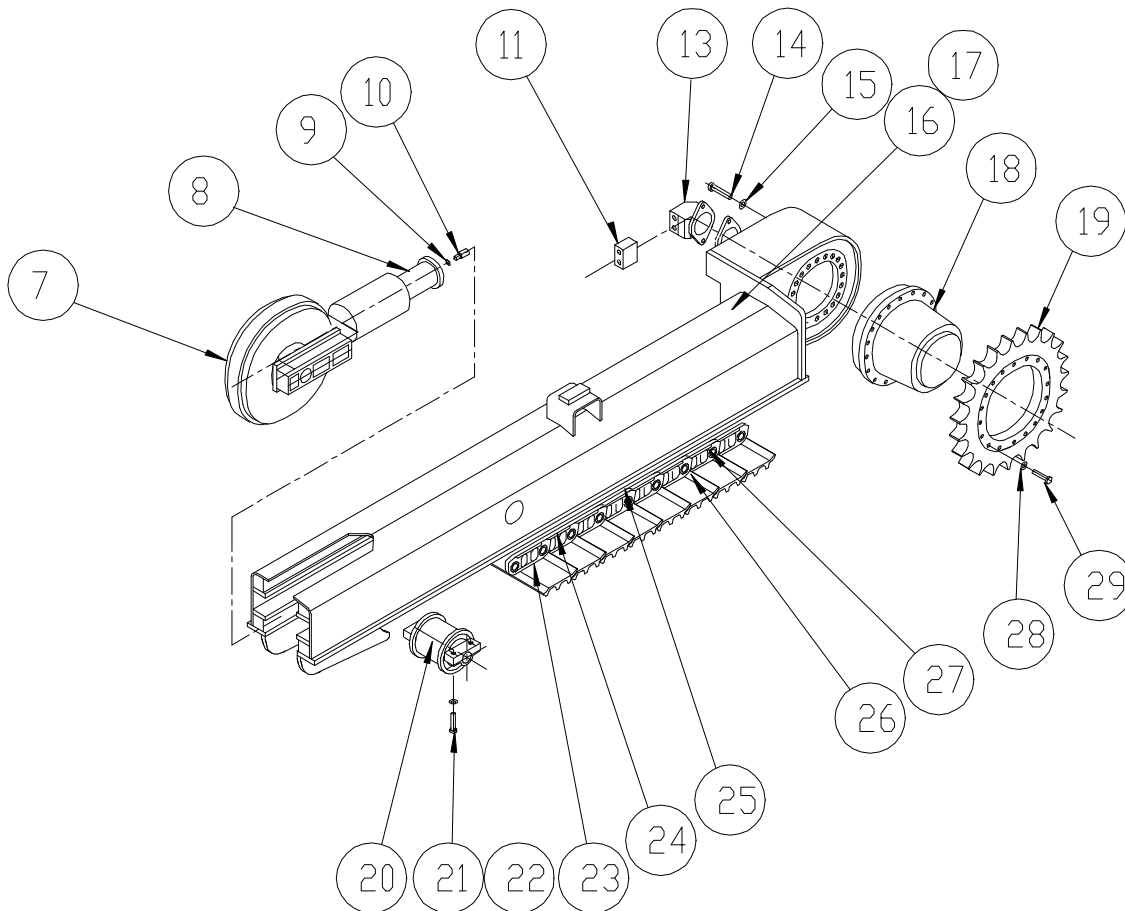
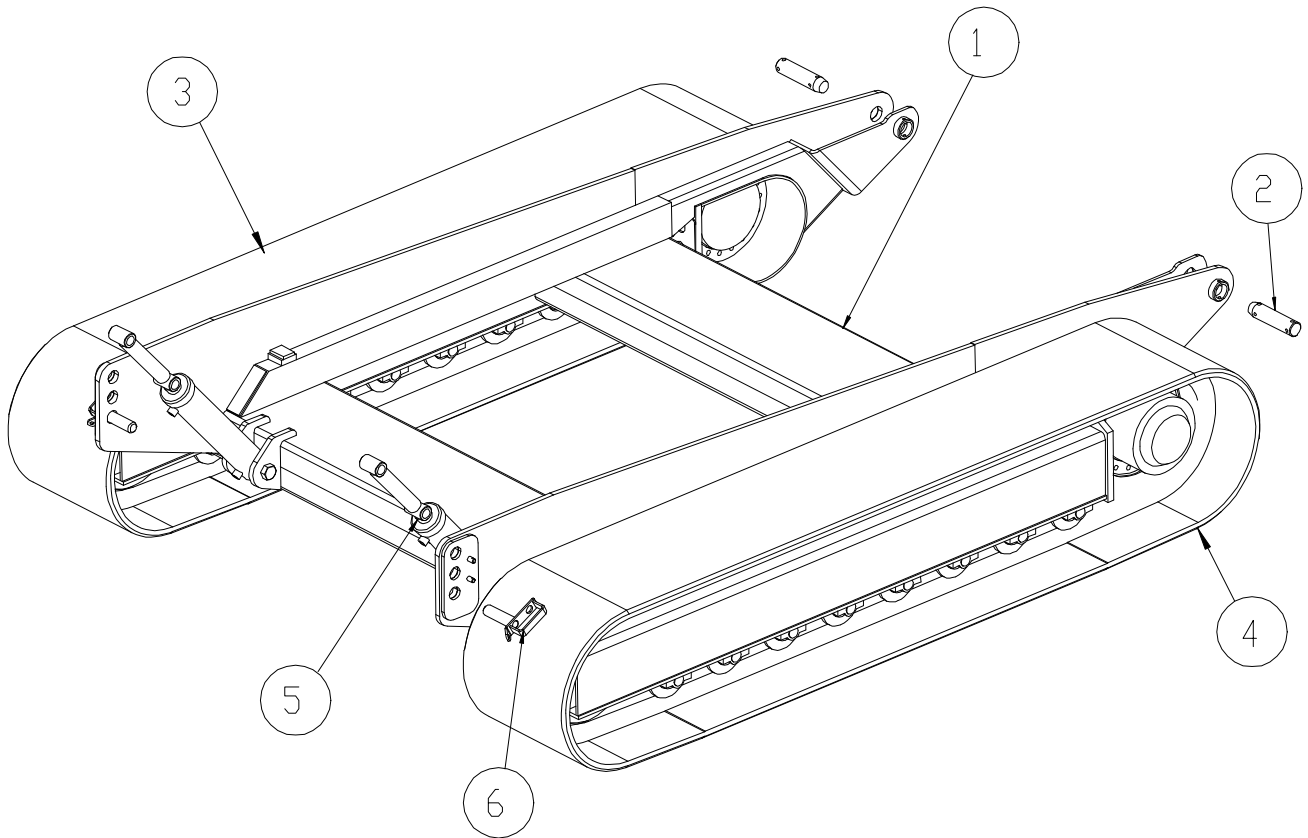
Figure: **07-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	15920400	0	BOGIE COMPLETE	1
2	15920405	0	MUDGUARD MOUNTING ARM	8
3	15920425	0	SINGLE WHEEL	4
4	06920415	0	MUDGUARD	4
5	06521222	0	AIR TANK	1
6	05010240	0	AIR BRAKE CHAMBER	4
7	07010150	0	AUTO SLACK ADJUSTER	4
8	06520272	0	EMERGENCY RELAY VALVE	1
9	05420133	0	WHEEL NUT ( <i>NOT SHOWN</i> )	32





**CHASSIS SECTION**  
**TRACK BOGIE**

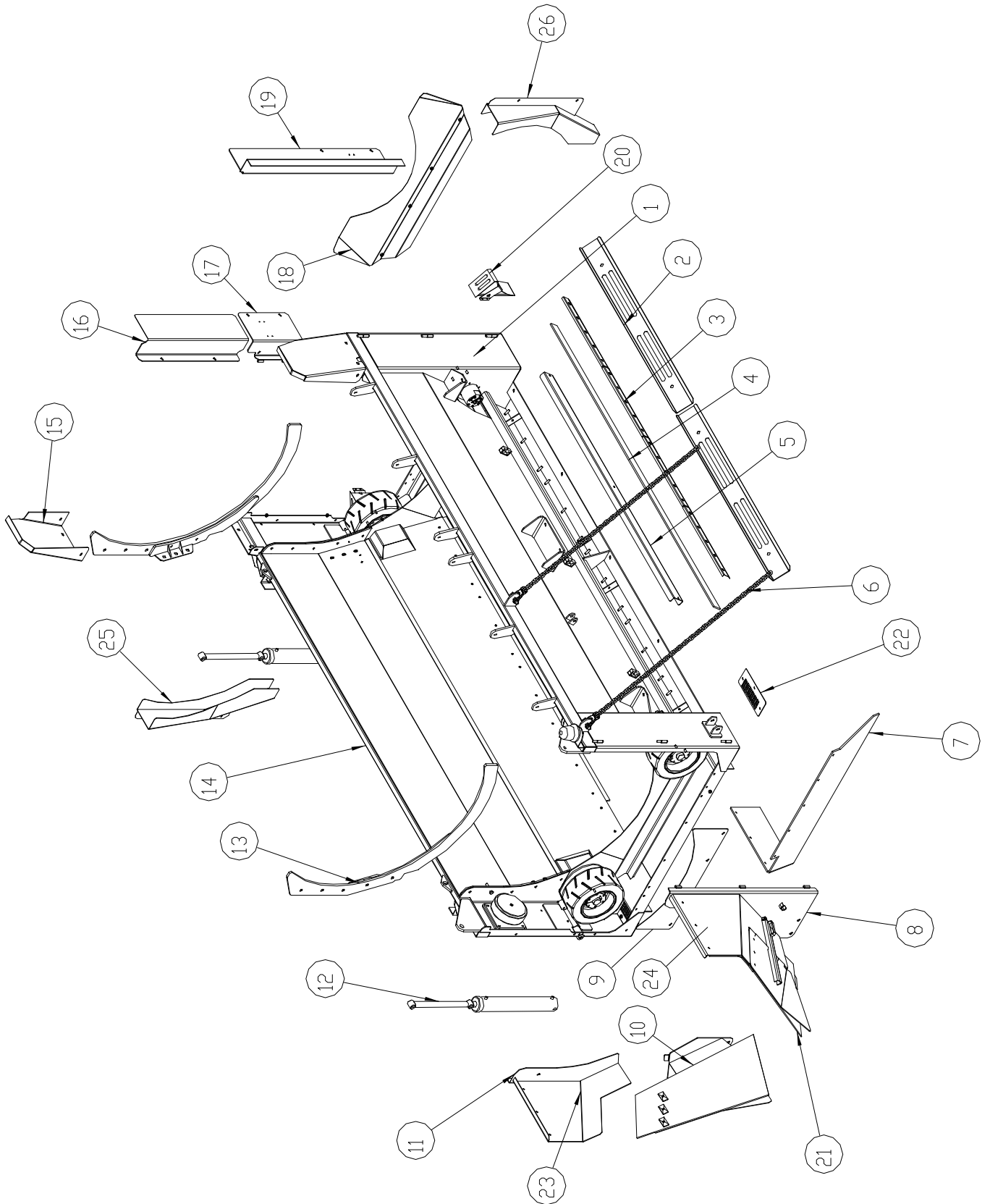
Figure: **07-02**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	15920250	0	TRACK FRAME ASSEMBLY	1
2	12280104	0	PIN	2
3	06920350	0	RH TRACK COMPLETE	1
4	06920351	0	LH TRACK COMPLETE	1
5	15960106	0	RAM	2
6	15980106	0	PIN	2
7	06920352	0	TRACK IDLER	2
8	06920353	0	TRACK TENSIONER	2
9	06920356	0	GREASE VALVE GASKET	2
10	06920354	0	TRACK ADJUSTER GREASE VALVE	2
11	06920357	0	CONTROL VALVE	2
13	06960680	0	HYDRAULIC MOTOR	2
14	06920347	0	GEARBOX MOUNTING BOLT	4
15	06920348	0	GEARBOX MOUNTING WASHER	4
16	06920362	0	TRACK FRAME RH	1
17	06920363	0	TRACK FRAME LH	1
18	06920346	0	GEARBOX	2
19	06920349	0	TRACK SPROCKET	1
20	06920358	0	TRACK ROLLER	16
21	06920359	0	ROLLER MOUNTING BOLT	64
22	06920361	0	ROLLER MOUNTING WASHER	64
23	06920392	0	TRACK GROUP COMPLETE	2
24	06920393	0	LINK ASSEMBLY	2
25	06920364	0	MASTER PIN	2
26	06920367	0	TRACK SHOE	92
27	06920368	0	TRACK BOLT	368
27	06920384	0	TRACK NUT	368
28	06920389	0	SPROCKET MOUNTING WASHER	36
29	06920388	0	SPROCKET MOUNTING BOLT	36





# TROMMEL BIN

Figure: 08-01

ORION 1400

Issue Date: 15 / 3 / 07

Rev: C

Item	Part No	Rev	Description	Qty
1	15920200	0	TROMMEL FRAME	1
2	15970108	0	TROMMEL FRAME SIDE GUARD	4
3	07220148	0	GALVANISED CLAMP	8
4	15920231	0	FEED BOOT RUBBER	2
5	15920240	0	BIN HYDRAULIC HOSE COVER PLATE	2
6	15830373	0	SUPPORT CHAIN	2
7	15920235	0	TROMMEL BIN SPILLAGE RUBBER	1
8	15920220	0	REAR DOOR RH	1
9	15920222	0	REAR CENTRE GUARD	1
10	15920221	0	REAR BOTTOM DOOR LH	1
11	15920224	0	REAR TOP DOOR LH	1
12	09550175	0	RAM	2
13	15920206	0	SIDE SHIFT LIFTING ARM <i>(SHOWN)</i>	1
13	15920207	0	SIDE SHIFT LIFTING ARM	1
14	15920205	0	DRUM DOOR	1
15	15930175	0	TROMMEL RING COVER RH <i>RIGHT HAND</i>	1
15	15930176	0	TROMMEL RING COVER LH <i>LEFT HAND</i>	1
16	15920243	0	TROMMEL BIN FRONT TOP DOOR LH <i>FROM S/N 15900217</i>	1
17	15920225	0	FRONT BOTTOM DOOR LH	1
18	15920211	0	BIN FEED END DEFLECTOR PLATE <i>FROM S/N 15900217</i>	1
19	15920242	0	TROMMEL BIN FRONT DOOR RH EXTENDED FEEDER <i>FROM S/N 15900217</i>	1
20	06520185	0	WHEEL CHOCK	2
21	15920230	0	ORION 1400 TROMMEL BIN REAR FOLDING DOOR RUBBER	2
22	15920238	0	ORION 1400 TROMMEL BIN WHEEL BUILD UP VENT GUARDS	4
23	15920228	0	TROMMEL BIN REAR DOOR LH RUBBER	1
24	15920223	2	TROMMEL BIN REAR DOOR RH RUBBER <i>Changed on 02-08-06</i>	1
25	15930191	0	EXTENDED FEEDER DRUM SEALING RING DEFLECTOR <i>FROM S/N 15900217</i>	1
26	15930192	0	EXTENDED FEEDER DRUM SEALING RING DEFLECTOR <i>FROM S/N 15900217</i>	1



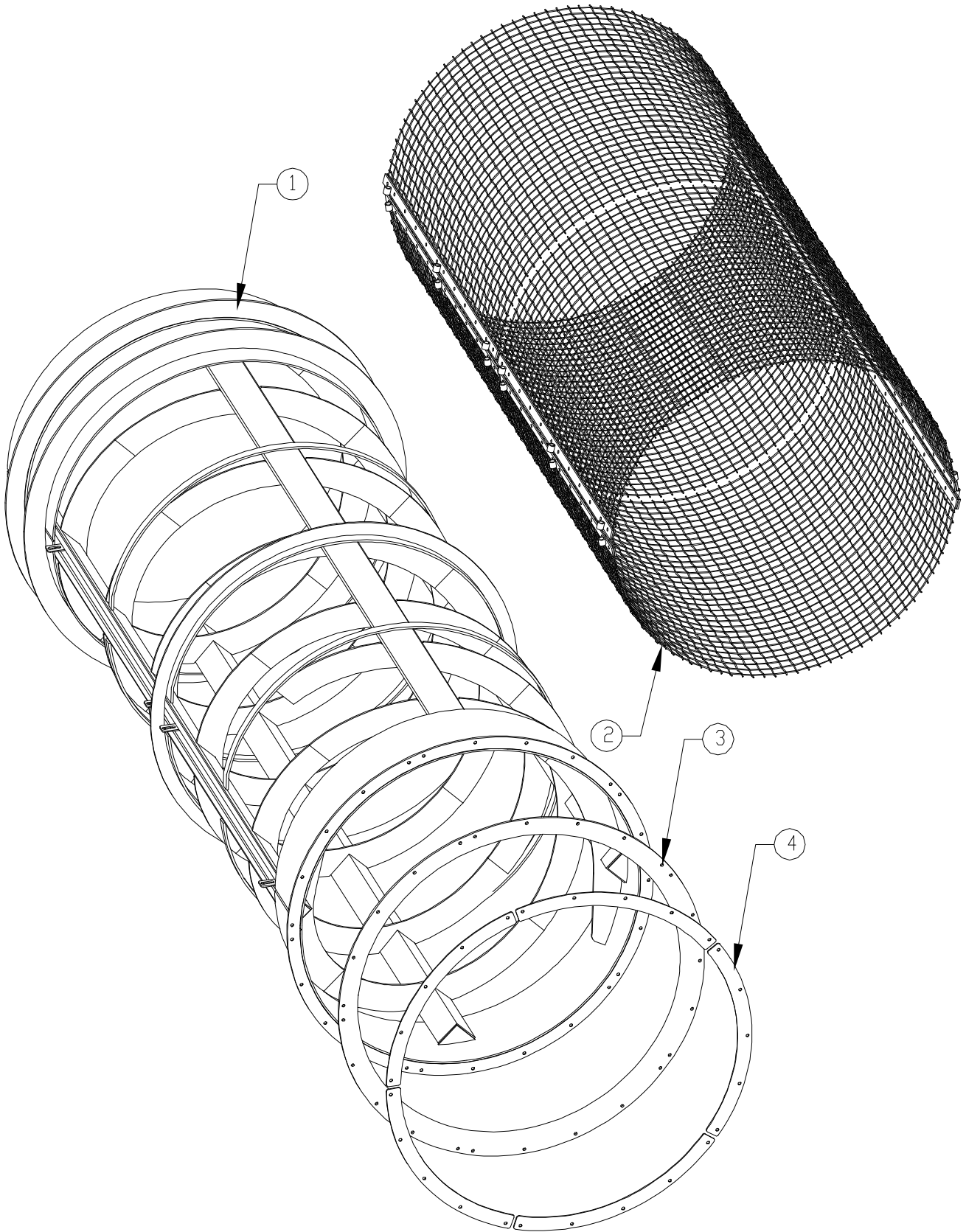
# TROMMEL DRUM

Figure: 08-02

ORION 1400

Issue Date: 15 / 3 / 07

Rev: C







# TROMMEL DRUM

Figure: **08-02**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **C**

Item	Part No	Rev	Description	Qty
1	15850101	0	PUNCH PLATE DRUM <i>STATE APERTURE SIZE WHEN ORDERING (NOT SHOWN)</i>	1
1	15950105	1	MESH DRUM EXTENDED FEEDER <i>FROM S/N 15900217</i>	1
2	15850112	1	QUICK RELEASE MESH <i>STATE APERTURE SIZE WHEN ORDERING INCLUDE 12 OFF M12x180 BOLTS (APPLIED 15900208)</i>	4
3	15950110	0	RUBBER <i>NOT FITTED FROM S/N 15900217</i>	1
4	15950116	0	DRUM SEALING END CAP PLATE <i>FROM S/N 15900217</i>	5



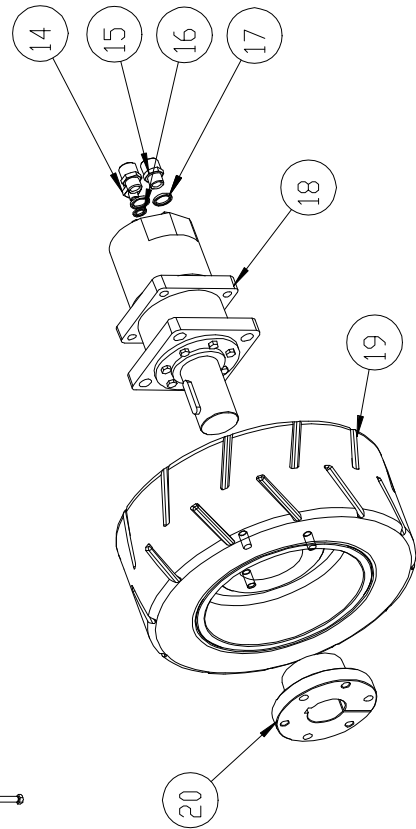
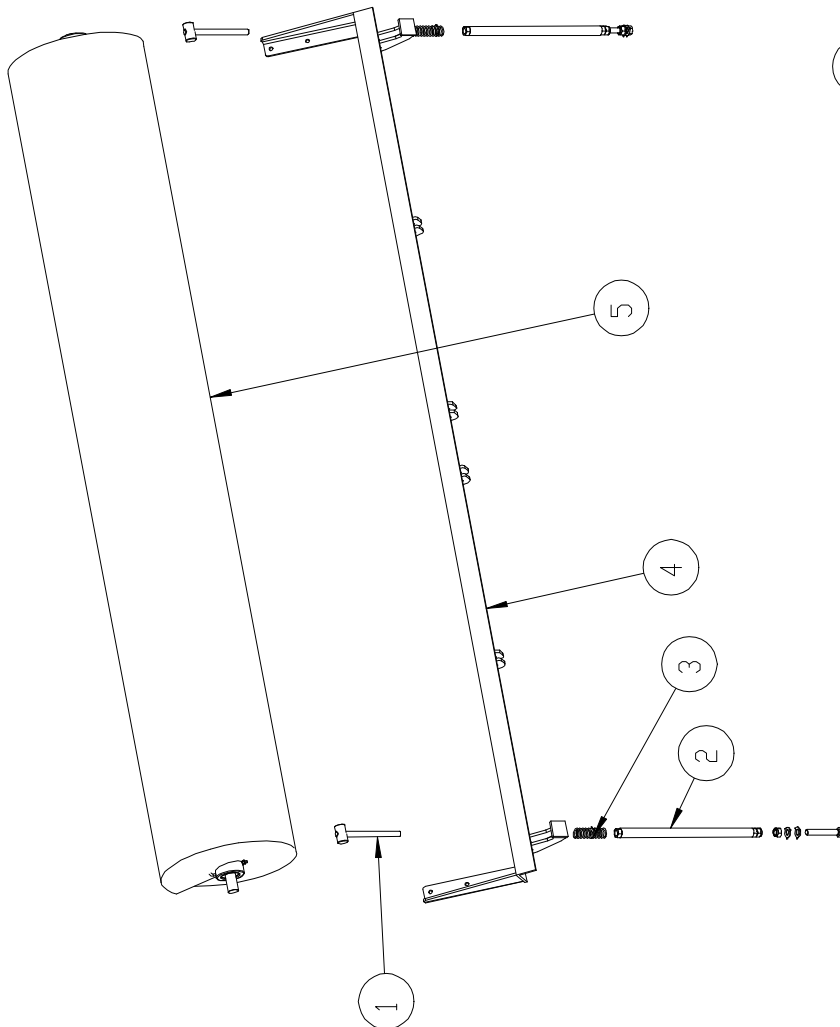
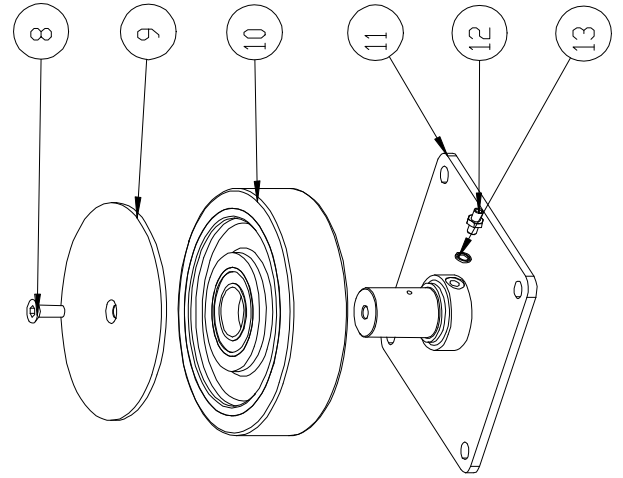
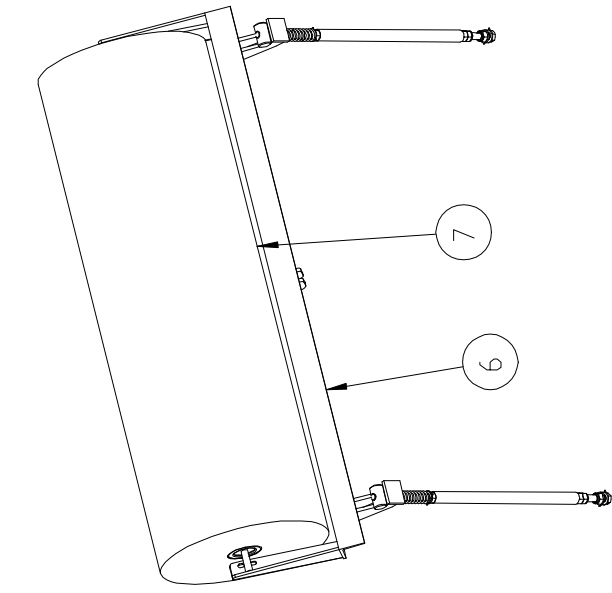
# DRUM DRUM BRUSH AND DRIVE SYSTEM

Figure: 08-03

ORION 1400

Issue Date: 15 / 3 / 07

Rev:A





**DRUM**  
**DRUM BRUSH AND DRIVE SYSTEM**

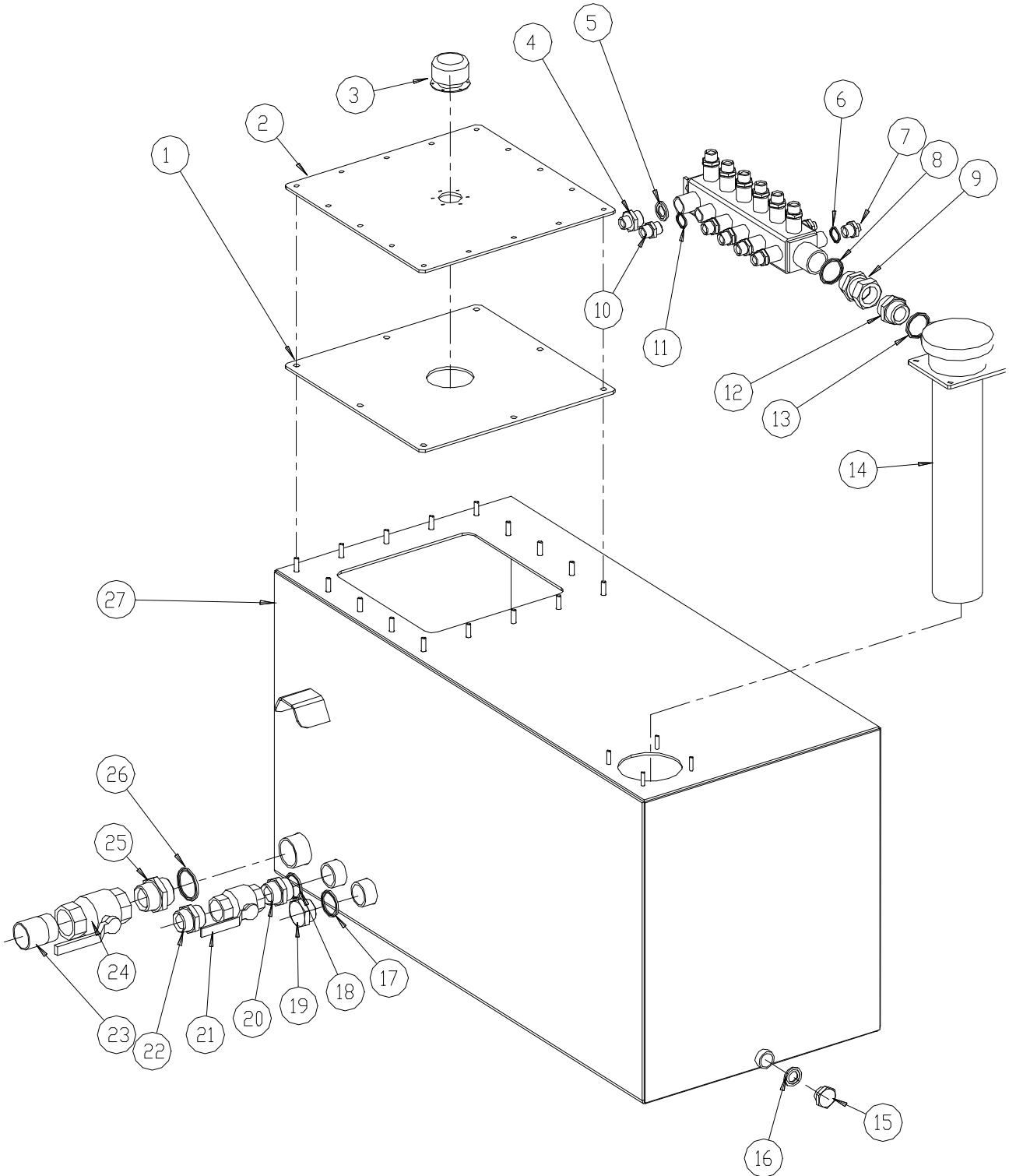
Figure: **08-03**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	15920270	0	TROMMEL BRUSH TENSIONING BOLT SHORT <i>1 PIECE BRUSH SYSTEM</i>	2
1	15920270	0	TROMMEL BRUSH TENSIONING BOLT SHORT <i>2 PIECE BRUSH SYSTEM</i>	4
2	15920271	0	TROMMEL BRUSH TENSIONING BAR <i>1 PIECE BRUSH SYSTEM</i>	2
2	15920271	0	TROMMEL BRUSH TENSIONING BAR <i>2 PIECE BRUSH SYSTEM</i>	4
3	15680052	0	SPRING <i>1 PIECE BRUSH SYSTEM</i>	2
3	15680052	0	SPRING <i>2 PIECE BRUSH SYSTEM</i>	4
4	15920261	0	ONE PIECE BRUSH MTG FRAME	1
5	15920262	0	ONE PIECE BRUSH	1
6	15920263	0	2 PIECE BRUSH FRAME	2
7	15920264	0	TWO PIECE BRUSH	2
8	00000038	0	BOLT M12	1
9	15820217	0	GUIDE WHEEL COVER PLATE	1
10	15820216	0	GUIDE WHEEL	1
11	15820215	0	GUIDE WHEEL MOUNTING	1
12	03210294	0	ADAPTOR	1
13	02060213	0	DOWTY SEAL	1
14	02060231	0	ADAPTOR	4
15	02060202	0	ADAPTOR	8
16	02060214	0	DOWTY SEAL	4
17	02060215	0	DOWTY SEAL	8
18	15860100	0	MOTOR	4
19	15820210	0	DRIVE WHEEL	4
20	15820214	0	BUSHING	4





**POWERUNIT  
HYDRAULIC TANK**

Figure: **09-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	03310228	0	GASKET	1
2	06590133	0	HYDRAULIC TANK LID	1
3	02012116	0	LOCKABLE FILLER CAP	1
4	02060204	0	ADAPTOR	1
5	02060217	0	DOWTY SEAL	1
6	02060216	0	DOWTY SEAL	6
7	02060442	0	ADAPTOR	6
8	03260144	0	DOWTY SEAL	1
9	01800162	0	ADAPTOR	1
10	02060203	0	ADAPTOR	11
11	02060216	0	DOWTY SEAL	11
12	03260146	0	ADAPTOR	1
13	03260144	0	DOWTY SEAL	1
14	03260228	0	FILTER UNIT	1
14	03260232	0	FILTER ELEMENT	1
15	02060207	0	ADAPTOR	1
16	02060217	0	DOWTY SEAL	1
17	03260144	0	DOWTY SEAL	1
18	03260144	0	DOWTY SEAL	1
19	03260149	0	ADAPTOR	1
20	03260145	0	ADAPTOR	1
21	01190115	0	BALL VALVE	1
22	03260145	0	ADAPTOR	1
23	02110539	0	ADAPTOR	1
24	01190116	0	BALL VALVE	1
25	06760107	0	ADAPTOR	1
26	06760108	0	DOWTY SEAL	1
27	15890150	0	HYDRAULIC TANK	1
27	15890150	5	HYDRAULIC TANK <i>Changed on 15-08-06 for MC15900219</i>	1
28	03210171	0	SUCTION ELEMENT <i>NOT SHOWN</i>	1
29	06760105	0	SUCTION ELEMENT <i>(2") NOT SHOWN</i>	1



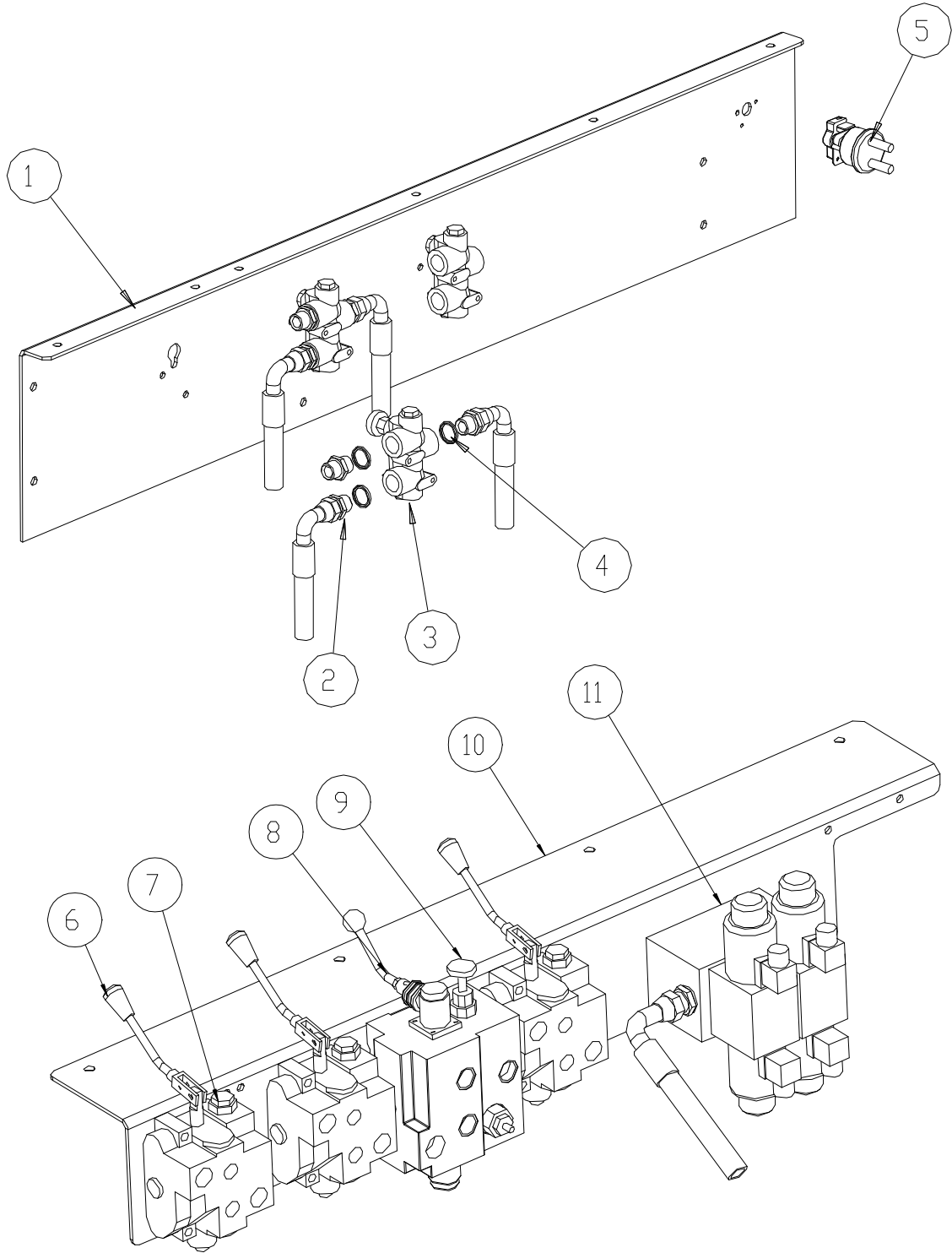
**POWERUNIT**  
**CONTROL VALVE MOUNTING PLATE**

Figure: 09-02

ORION 1400

Issue Date: 15 / 3 / 07

Rev: A





**POWERUNIT**  
**CONTROL VALVE MOUNTING PLATE**

Figure: **09-02**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	15890120	0	CONTROL PANEL FRONT PLATE	1
2	02060203	0	ADAPTOR	9
3	03220115	0	FLOW CONTROL VALVE	3
4	02060216	0	DOWTY SEAL	9
5	12290155	0	BATTERY ISOLATOR SWITCH	1
6	00180057	0	HANDLE	3
6	00180057	0	HANDLE <i>FROM SN 15900055 &amp; 15900100</i>	1
7	05760111	0	CONTROL VALVE <i>SIDE CONV/TAIL CONV/COLLECTION CONV</i>	2
7	12090363	0	CONTROL VALVE <i>FROM SN 15900055 &amp; 15900100 SIDE CONV/TAIL CONV/COLLECTION CONV</i>	2
7	15070133	0	CONTROL VALVE <i>FEEDER CONTROL VALVE ONLY</i>	1
8	01920454	0	CONTROL VALVE HANDLE	1
9	15860104	0	CONTROL VALVE	1
10	15990121	0	CONTROL VALVE MOUNTING PLATE	1
10	15990121	5	CONTROL VALVE MOUNTING PLATE <i>Changed on 15-08-06 for MC15900219</i>	1
11	01800275	0	SOLENOID BLOCK COMPLETE	1



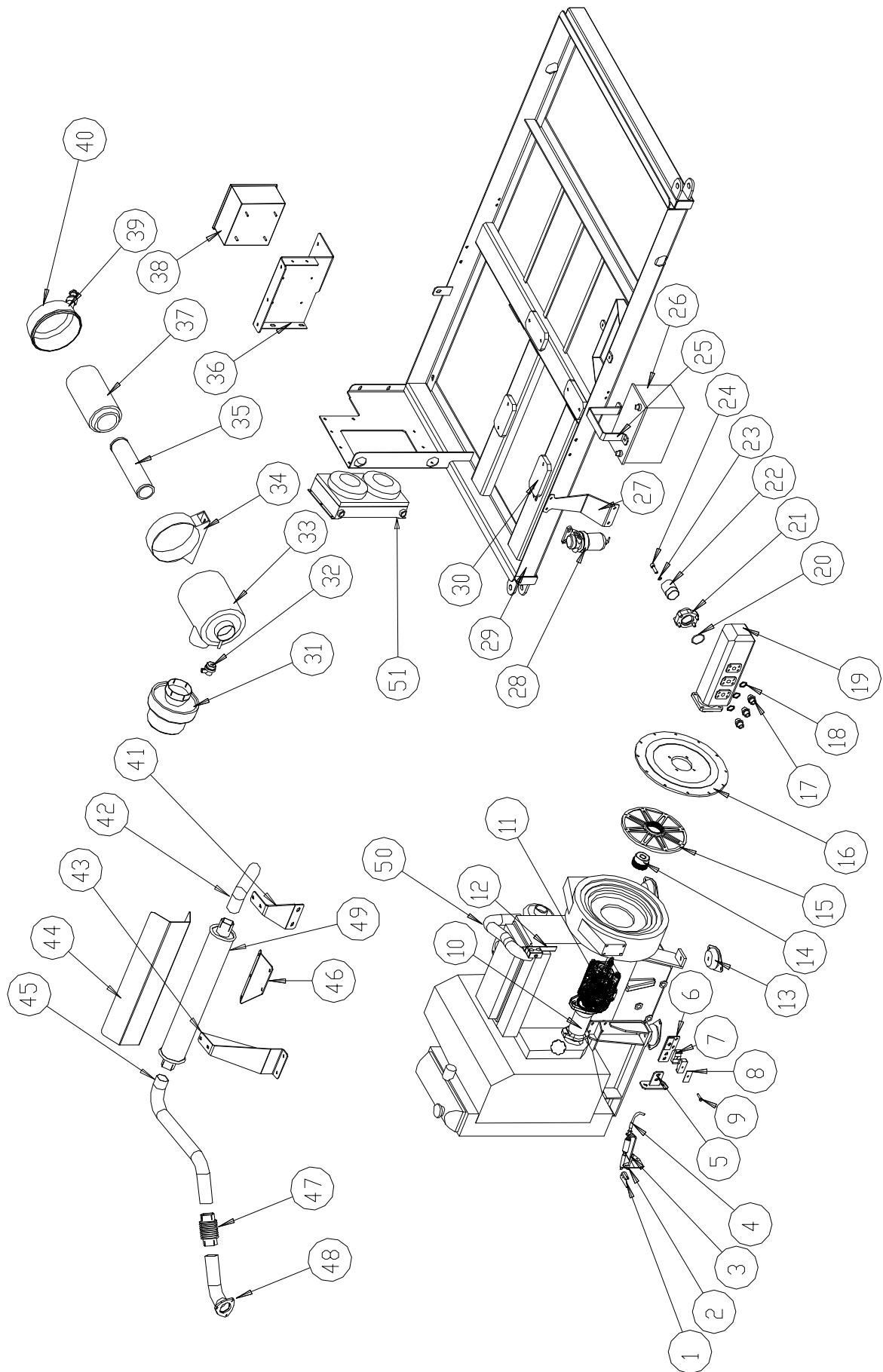
**POWERUNIT**  
**POWERUNIT ASSEMBLY**

Figure: **09-03**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**







**POWERUNIT**  
**POWERUNIT ASSEMBLY**

Figure: **09-03**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	15990191	0	THROTTLE LEVER EXTENSION	1
2	15990190	0	THROTTLE BRACKET	1
3	00008080	0	BOLT M08	1
4	12290157	0	THROTTLE CABLE	1
5	06690675	0	PUMP MTG BRACKET SUPPORT	1
6	06690676	0	PUMP REAR SUPPORT BRACKET	1
7	05720192	0	DOUBLE CLAMP PLASTIC BODY	2
8	05720193	0	TOP PLATE	1
9	01920284	0	BOLT M08	1
10	12290501	0	ENGINE <i>TURBO OPTION ONLY</i>	1
10	15590207	0	ENGINE <i>STANDARD ENGINE</i>	1
11	15560130	0	PUMP TANDEM	1
12	06690682	0	FUEL LINE BRACKET	1
13	03210128	0	ENGINE MOUNTINGS	4
14	07290361	0	HUB	1
15	05790360	0	FLANGE PLATE	1
16	01190113	0	PUMP MOUNTING PLATE	1
17	02060203	0	ADAPTOR	3
18	02060216	0	DOWTY SEAL	3
19	06690280	0	PUMP TRIPLE	1
20	06760116	0	O-RING	1
21	06760110	0	PUMP ADAPTOR	1
22	02110539	0	ADAPTOR	1
23	02020182	0	SPRING WASHER	4
24	06760119	0	BOLT M12	4
25	15890101	0	BATTERY STRAP	1
26	03210237	0	BATTERY	1
27	15890176	0	FUEL FILTER MOUNTING BRACKET	1
27	15890176	2	FUEL FILTER MOUNTING BRACKET <i>Changed on 15-08-06 for MC15900219</i>	1
28	12290419	0	WATERTRAP ASSY	1
28	12290520	0	WATER/FUEL ELEMENT	1
29	15890100	0	POWERUNIT BASEFRAME	1
30	15890177	0	ENGINE MOUNTING SPACER <i>TURBO ENGINE OPTION ONLY</i>	1
31	06590339	0	BULLNOSE PRE-CLEANER	1
32	12290420	0	AIR CLEANER PRESSURE SWITCH	1
33	12290400	0	AIR CLEANER COMPLETE	1
34	12290404	0	MOUNTING BRACKET	1
35	12290401	0	INNER FILTER ELEMENT	1
36	15890122	0	ELECTRIC PANEL MOUNTING BRACKET	1
37	12290402	0	OUTER FILTER ELEMENT	1
38	15890130	0	ELECTRIC PANEL COMPLETE	1



**POWERUNIT**  
**POWERUNIT ASSEMBLY**

Figure: **09-03**

**ORION 1400**

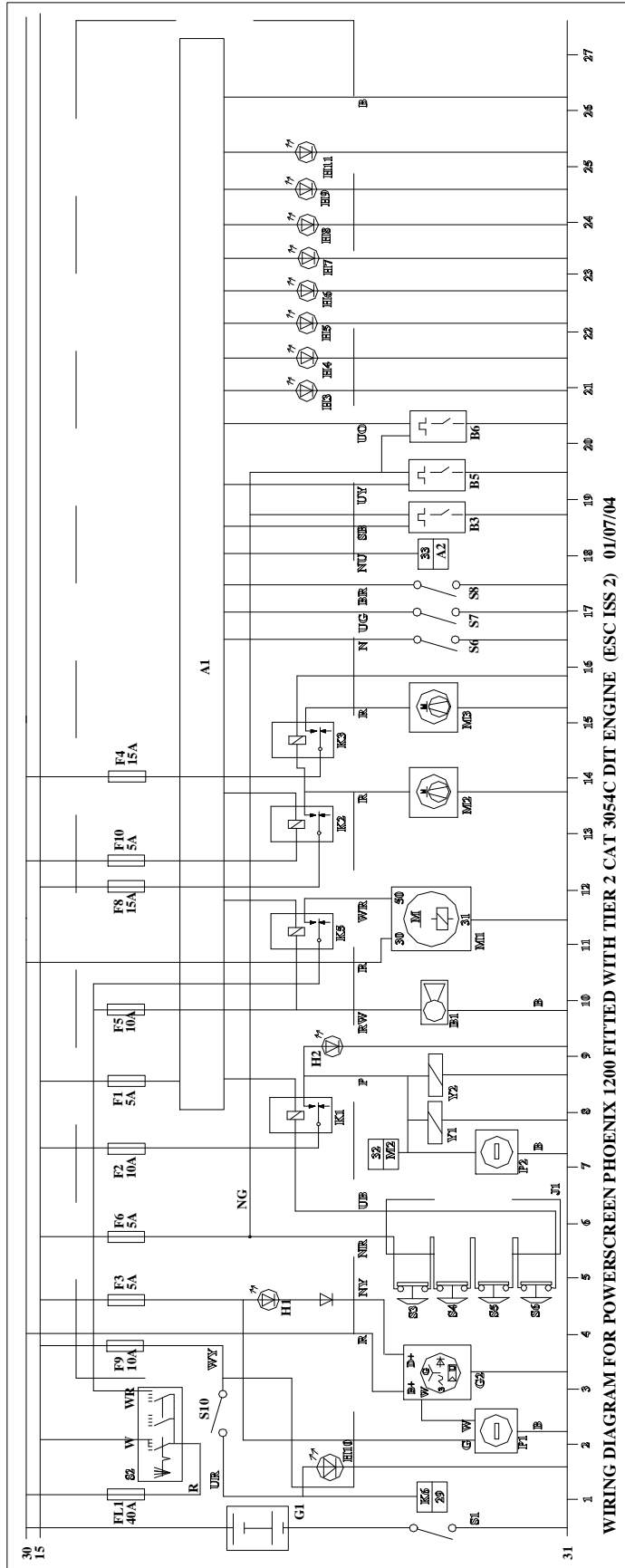
Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
39	12290403	0	DUST CAP	1
40	12290400	0	AIR CLEANER COMPLETE	1
41	15990174	0	EXHAUST BRACKET	1
42	15990158	0	EXHAUST TAIL PIPE <i>NON-TURBO ENGINE UP TO MC 15900145 FITTED TO All MC'S THERE AFTER</i>	1
42	15990172	0	EXHAUST TAIL PIPE <i>TURBO ENGINE OPTION UP TO MC 15900145</i>	1
43	15990176	0	EXHAUST BRACKET	1
44	15990179	0	EXHAUST HEAT SHIELD	1
44	15990179	0	EXHAUST HEAT SHIELD <i>Changed on 15-08-06 for MC15900219</i>	1
45	15990157	0	EXHAUST PIPE <i>NON-TURBO ENGINE ONLY</i>	1
45	15990177	0	EXHAUST PIPE <i>TURBO ENGINE OPTION ONLY</i>	1
46	15990181	0	HEAT SHIELD MTG BRACKET	1
47	05790251	0	EXHAUST BELLOW	1
48	15990170	0	EXHAUST PIPE <i>TURBO ENGINE OPTION ONLY</i>	1
49	15990156	0	EXHAUST SILENCER <i>NON-TURBO ENGINE UP TO MC 15900145 FITTED TO ALL MC'S THERE AFTER</i>	1
49	15990171	0	EXHAUST SILENCER <i>TURBO ENGINE OPTION UP TO MC 15900145</i>	1
50	15890170	0	AIR INDUCTION HOSE <i>TURBO ENGINE OPTION ONLY</i>	1
50	15990150	0	AIR INDUCTION HOSE <i>NON-TURBO ENGINE ONLY</i>	1
51	06761109	0	OIL COOLER	1



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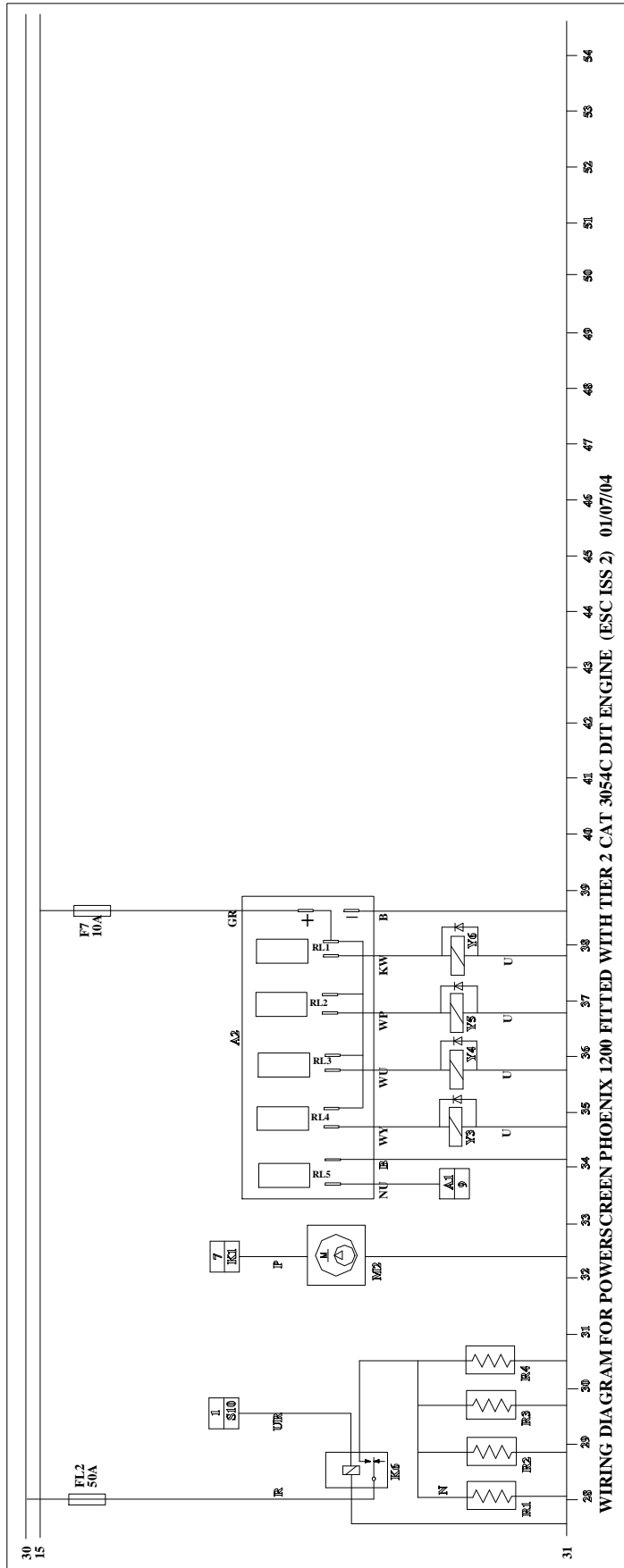
WIRING DIAGRAM FOR POWERSCREEN PHOENIX 1200 FITTED WITH TIER 2 CAT 3054C DIT ENGINE (ESC ISS 2) 01/07/04

- |                                  |                                  |   |
|----------------------------------|----------------------------------|---|
| G1 12V BATTERY                   | A1 CONTROL UNIT                  | B3 FUEL CONTAMINATION SENSOR                      |
| G2 ALTERNATOR                    | B1 START DELAY SIREN             | B5 ENGINE COOLANT LEVEL SENSOR                    |
| H1 BATTERY CHARGE LAMP           | K2 RLY 2 COOLING FAN 1 RELAY     | B6 HYDRAULIC OIL LEVEL SENSOR                     |
| H2 FUEL SOLENOID ON LAMP         | K3 RLY 3 COOLING FAN 2 RELAY     | H3 ENGINE OIL PRESSURE WARNING LAMP               |
| H10 ENGINE PRE HEAT WARNING LAMP | K5 STARTER MOTOR RELAY           | H4 ENGINE TEMPERATURE WARNING LAMP                |
| J1 STOP SWITCH JUNCTION BOX      | M1 STARTER MOTOR                 | H5 ENGINE COOLANT LEVEL WARNING LAMP              |
| K1 RLY 1 FUEL SOLENOID RELAY     | M2 HYDRAULIC OIL COOLING FAN 1   | H6 MACHINE STOP RELEASED WARNING LAMP             |
| P1 ENGINE TACHOMETER             | M3 HYDRAULIC OIL COOLING FAN 2   | H7 AIR FILTER RESTRICTION WARNING LAMP            |
| P2 ENGINE HOUR METER             | S6 ENGINE OIL PRESSURE SWITCH    | H8 HYDRAULIC OIL LEVEL WARNING LAMP               |
| S1 BATTERY ISOLATOR SWITCH       | S7 ENGINE TEMPERATURE SWITCH     | H9 MACHINE STOP/MANUAL TRACK STOP ON WARNING LAMP |
| S2 IGNITION/START SWITCH         | S8 AIR FILTER RESTRICTION SWITCH | H11 FUEL CONTAMINATION WARNING LAMP               |
| S3-S6 ENGINE STOP SWITCHES       |                                  |   |
| S10 PRE HEAT SWITCH              |                                  |   |
| Y1 KSB SOLENOID                  |                                  |   |
| Y2 FUEL SOLENOID                 |                                  |   |

WIRE COLOUR CODE			
B = BLACK	K = PINK	O = ORANGE	R = RED
G = GREEN	N = BROWN	P = PURPLE	S = SLATE
		U = BLUE	W = WHITE
		Y = YELLOW	



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K6 PRE HEAT RELAY  
M2 FUEL PUMP  
R1-R4 PRE HEAT PLUGS

A2 SWIVEL CONVEYOR REMOTE CONTROL RECEIVER  
RL5 REMOTE CONTROL ENGINE STOP RELAY  
Y3 SWIVEL CONVEYOR REVERSE SOLENOID  
Y4 SWIVEL CONVEYOR FORWARD SOLENOID  
Y5 SWIVEL CONVEYOR RAISE SOLENOID  
Y6 SWIVEL CONVEYOR LOWER SOLENOID

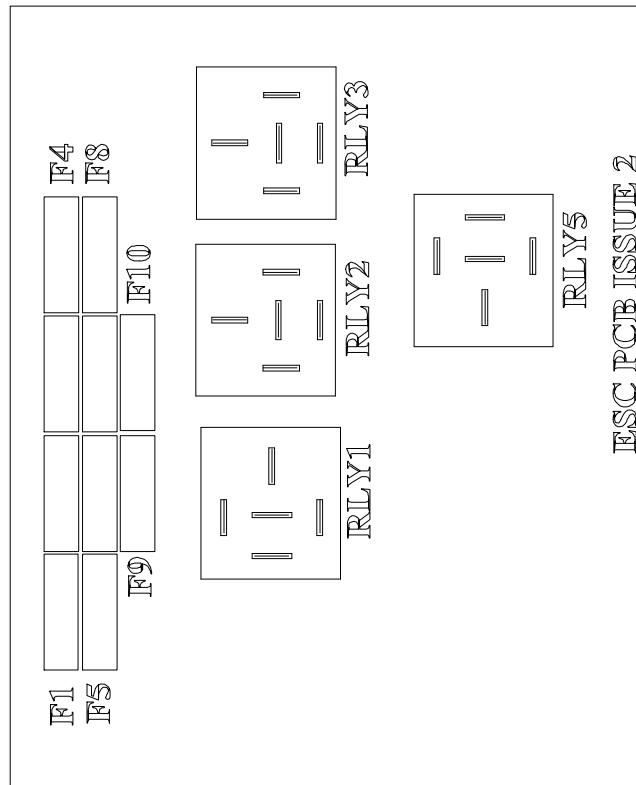
**WIRE COLOUR CODE**

B = BLACK    K = PINK    O = ORANGE    R = RED    W = WHITE  
G = GREEN    N = BROWN    P = PURPLE    U = BLUE    Y = YELLOW

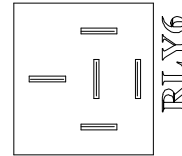


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**RELAY AND FUSE DESIGNATION**  
**PHOENIX 1200 ENGINE CONTROL PANEL**



- RLY1 FUEL SOLENOID, KSB SOLENOID, FUEL PUMP, HOUR METER
- RLY2 HYDRAULIC OIL COOLING FAN NO 1
- RLY3 HYDRAULIC OIL COOLING FAN NO 2
- RLY5 STARTER MOTOR RELAY
- RLY6 PRE HEAT RELAY (FITTED OFF PCB)
- F1...5A PCB CONTROL
- F2...10A FUEL SOLENOID, KSB SOLENOID, FUEL PUMP, HOUR METER
- F3...5A ALTERNATOR CHARGE LAMP, TACHOMETER
- F4...15A OIL COOLING FAN NO 2
- F5...5A START RELAY, START SIREN
- F6...5A ENGINE STOP SWITCHES, COOLANT LEVEL, FUEL CONTAMINATION, HYDRAULIC LEVEL SENSORS
- F7...10A SWIVEL CONVEYOR
- F8...15A OIL COOLING FAN NO 1
- F9...10A PRE HEAT SWITCH
- F10...5A OIL COOLER CONTROL







**ELECTRICAL INFORMATION**  
**ELECTRICAL PARTS**

Figure: 10-04

ORION 1400

Issue Date: 15 / 3 / 07

Rev:A

Item	Part No	Rev	Description	Qty
1	12290155	0	BATTERY ISOLATOR SWITCH	1
2	12290156	0	OIL LEVEL SWITCH	1
3	06590276	0	EMERGENCY STOP COMPLETE	4
4	03210237	0	BATTERY	1
5	15890130	0	ELECTRIC PANEL COMPLETE	1
6	01800275	0	SOLENOID BLOCK COMPLETE	1
7	06790420	0	SIREN	1
8	06690405	0	REMOTE MRC/TG	1



**POWERSCREEN PARTS**  
**SERVICE PARTS & CONSUMABLES**

Figure: 11-01

ORION 1400

Issue Date: 15 / 3 / 07

Rev:A

Item	Part No	Rev	Description	Qty
1	12290401	0	INNER FILTER ELEMENT <i>POWERUNIT ASSEMBLY</i>	1
2	12290402	0	OUTER FILTER ELEMENT <i>POWERUNIT ASSEMBLY</i>	1
3	12290510	0	OIL FILTER ELEMENT <i>POWERUNIT ASSEMBLY</i>	1
4	12290515	0	FUEL FILTER ELEMENT <i>POWERUNIT ASSEMBLY</i>	1
5	12290520	0	WATER/FUEL ELEMENT <i>POWERUNIT ASSEMBLY</i>	1
6	03210237	0	BATTERY <i>POWERUNIT ASSEMBLY</i>	1
7	03260232	0	FILTER ELEMENT <i>HYDRAULIC TANK</i>	1
8	03210171	0	SUCTION ELEMENT <i>HYDRAULIC TANK</i>	1
9	06760105	0	SUCTION ELEMENT <i>HYDRAULIC TANK</i>	1



**POWERSCREEN PARTS**  
**RECOMMENDED PARTS (2000HRS)**

Figure: 11-02

ORION 1400

Issue Date: 15 / 3 / 07

Rev:A

Item	Part No	Rev	Description	Qty
1	05121159	0	BEARING Supersedes 05120159 22/09/03 (Interchangeable) <i>FEEDER CONVEYOR</i>	2
2	06663100	0	GEARBOX <i>FEEDER CONVEYOR</i>	1
2	09900405	0	TNP2" 3 BEARING	2
3	01920254	0	HYDRAULIC MOTOR <i>FEEDER CONVEYOR</i>	1
4	12230412	0	BELT CLEANER <i>FEEDER CONVEYOR</i>	1
5	06930243	0	ADJUSTER ROD <i>FEEDER CONVEYOR</i>	2
6	12130416	0	DISC RETURN ROLLER <i>FEEDER CONVEYOR</i>	2
7	15950110	0	RUBBER <i>FEEDER HOPPER</i>	1
8	15930166	0	FEEDER BELT SCRAPER <i>FEEDER HOPPER</i>	1
9	15830137	0	RUBBER (CONTOUR) <i>FEEDER HOPPER</i>	2
10	15830136	0	SKIRTING RUBBER(REAR) <i>FEEDER HOPPER</i>	1
11	15830135	0	SKIRTING RUBBER <i>FEEDER HOPPER</i>	2
13	15930347	0	FEEDER CONV SCRAPER RUBBER <i>COLLECTION CONVEYOR</i>	1
14	09230195	0	GUIDE ROLLER <i>COLLECTION CONVEYOR</i>	4
15	12230680	0	ROLLER <i>COLLECTION CONVEYOR</i>	8
16	15930343	0	COLLECTION TO TRANSFER CONV RUBBER <i>COLLECTION CONVEYOR</i>	1
17	15930344	0	BLADE SCRAPER <i>COLLECTION CONVEYOR</i>	1
18	02251105	0	BEARING Supersedes 02250105 22/09/03 (Interchangeable) <i>COLLECTION CONVEYOR</i>	2
19	15930350	0	SHRINK DISC <i>COLLECTION CONVEYOR</i>	1
20	02220225	0	HYDRAULIC MOTOR <i>COLLECTION CONVEYOR</i>	1
21	15680052	0	SPRING <i>COLLECTION CONVEYOR</i>	2
22	09230195	0	GUIDE ROLLER <i>TRANSFER CONVEYOR</i>	4
23	02021145	0	ROLLER <i>TRANSFER CONVEYOR</i>	6
24	09900405	0	TNP2" 3 BEARING	2
25	15930256	0	TRANSFER CONV SKIRTING LOWER RUBBER <i>TRANSFER CONVEYOR</i>	2
26	02251105	0	BEARING Supersedes 02250105 22/09/03 (Interchangeable) <i>TRANSFER CONVEYOR</i>	2
27	15930350	0	SHRINK DISC <i>TRANSFER CONVEYOR</i>	1
28	06930243	0	ADJUSTER ROD <i>TRANSFER CONVEYOR</i>	2



**POWERSCREEN PARTS**  
**RECOMMENDED PARTS (2000HRS)**

Figure: 11-02

ORION 1400

Issue Date: 15 / 3 / 07

Rev:A

Item	Part No	Rev	Description	Qty
29	09900405	0	TNP2" 3 BEARING	2
30	15930424	0	SIDE CONVEYOR SKIRTING LOWER RUBBER <i>SIDE CONVEYOR</i>	2
31	15930462	0	SIDE CONVEYOR SKIRTING UPPER RUBBER <i>SIDE CONVEYOR</i>	2
32	02220225	0	HYDRAULIC MOTOR <i>SIDE CONVEYOR</i>	1
33	15930350	0	SHRINK DISC <i>SIDE CONVEYOR</i>	1
34	02251105	0	BEARING Supersedes 02250105 22/09/03 (Interchangeable) <i>SIDE CONVEYOR</i>	2
35	02420116	0	ADJUSTER ROD <i>SIDE CONVEYOR</i>	2
36	05420143	0	ROLLER <i>SIDE CONVEYOR</i>	11
37	15830376	0	BUSHING <i>SIDE CONVEYOR</i>	6
38	05421143	0	BEATER ROLLER <i>SIDE CONVEYOR</i>	1
39	12030426	0	DISC RETURN ROLLER <i>SIDE CONVEYOR</i>	1
40	05420143	0	ROLLER <i>TAIL CONVEYOR</i>	7
41	09900405	0	TNP2" 3 BEARING	2
42	15930237	0	TRANSFER CONV HEAD DRUM RUBBER <i>TAIL CONVEYOR</i>	1
43	15930537	0	LOWER SKIRTING RUBBER <i>TAIL CONVEYOR</i>	1
44	15930522	0	TAIL CONVEYOR FEEDBOOT RUBBER <i>TAIL CONVEYOR</i>	1
45	15930557	0	UPPER SKIRTING RUBBER <i>TAIL CONVEYOR</i>	2
46	02251105	0	BEARING Supersedes 02250105 22/09/03 (Interchangeable) <i>TAIL CONVEYOR</i>	2
47	15930350	0	SHRINK DISC <i>TAIL CONVEYOR</i>	1
48	15560115	0	HYDRAULIC MOTOR <i>TAIL CONVEYOR</i>	1
49	05421143	0	BEATER ROLLER <i>TAIL CONVEYOR</i>	1
50	12030426	0	DISC RETURN ROLLER <i>TAIL CONVEYOR</i>	1
51	15820216	0	GUIDE WHEEL <i>WHEELS AND BRUSHES</i>	1
52	15860100	0	MOTOR <i>WHEELS AND BRUSHES</i>	4
53	15920262	0	ONE PIECE BRUSH <i>WHEELS AND BRUSHES</i>	1
54	15920264	0	TWO PIECE BRUSH <i>WHEELS AND BRUSHES</i>	2
55	15860100	0	MOTOR <i>WHEELS AND BRUSHES</i>	4
56	15820218	0	DRIVE WHEEL <i>WHEELS AND BRUSHES</i>	4



**POWERSCREEN PARTS**  
**RECOMMENDED PARTS (2000HRS)**

Figure: 11-02

ORION 1400

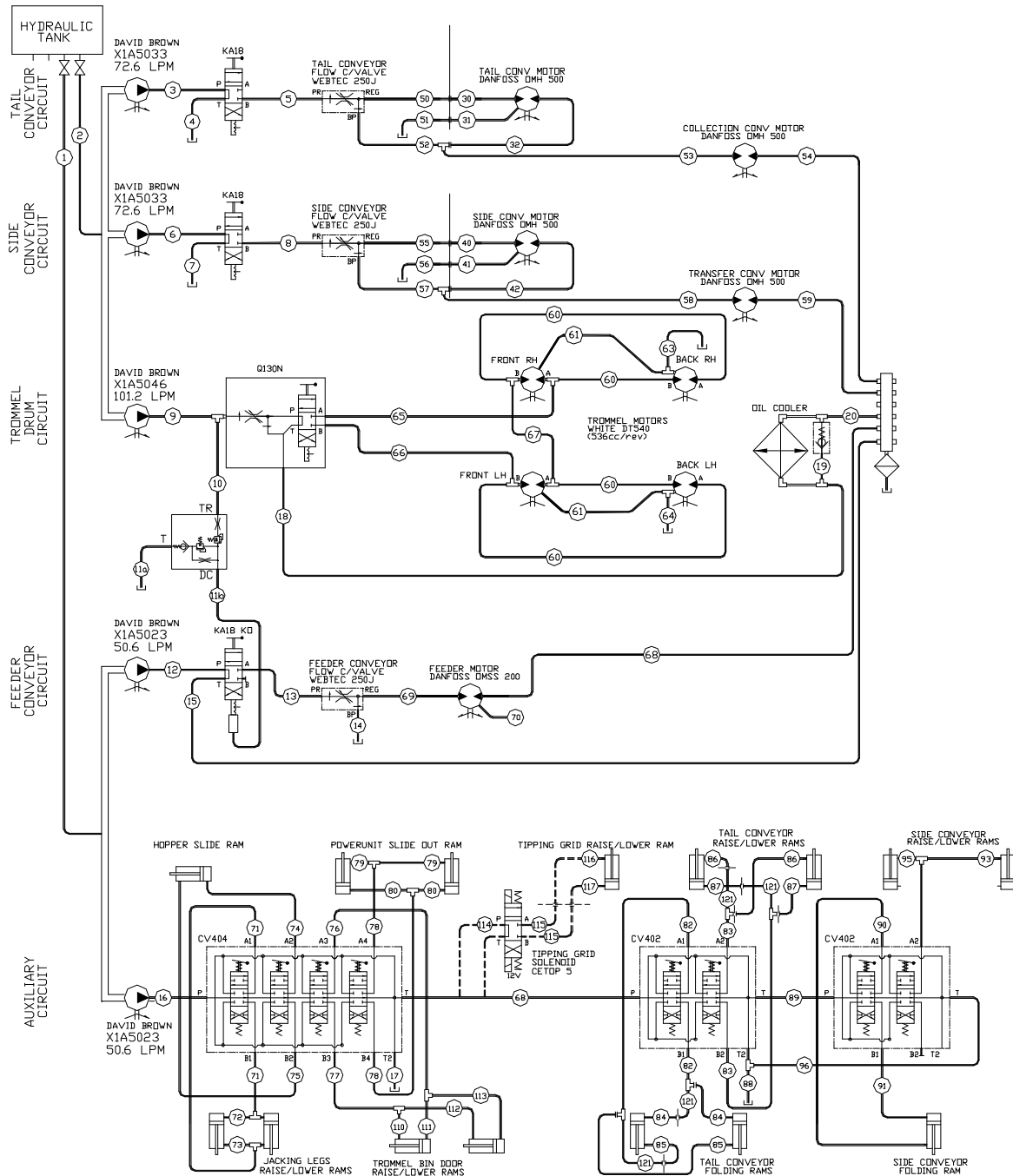
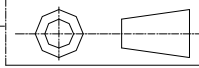
Issue Date: 15 / 3 / 07

Rev:A

Item	Part No	Rev	Description	Qty
57	03260232	0	FILTER ELEMENT <i>HYDRAULIC TANK</i>	1
58	12290521	0	WATERSCAN ELEMENT <i>HYDRAULIC TANK</i>	1
59	03220115	0	FLOW CONTROL VALVE <i>CONTROL VALVE PLATE</i>	3
60	05760111	0	CONTROL VALVE <i>CONTROL VALVE PLATE</i>	1
61	15070133	0	CONTROL VALVE <i>CONTROL VALVE PLATE</i>	1
62	05790360	0	FLANGE PLATE <i>POWERUNIT</i>	1
63	06690280	0	PUMP TRIPLE <i>POWERUNIT</i>	1
64	05761004	0	PUMP TANDEM <i>POWERUNIT</i>	1
65	12290401	0	INNER FILTER ELEMENT <i>POWERUNIT</i>	1
66	12290402	0	OUTER FILTER ELEMENT <i>POWERUNIT</i>	1
67	12290419	0	WATERTRAP ASSY <i>POWERUNIT</i>	1
68	12290515	0	FUEL FILTER ELEMENT <i>POWERUNIT</i>	1
69	12290510	0	OIL FILTER ELEMENT <i>POWERUNIT</i>	1
70	03210171	0	SUCTION ELEMENT <i>POWERUNIT</i>	1
71	06760105	0	SUCTION ELEMENT <i>POWERUNIT</i>	1

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED

DO NOT SCALE DRAWING



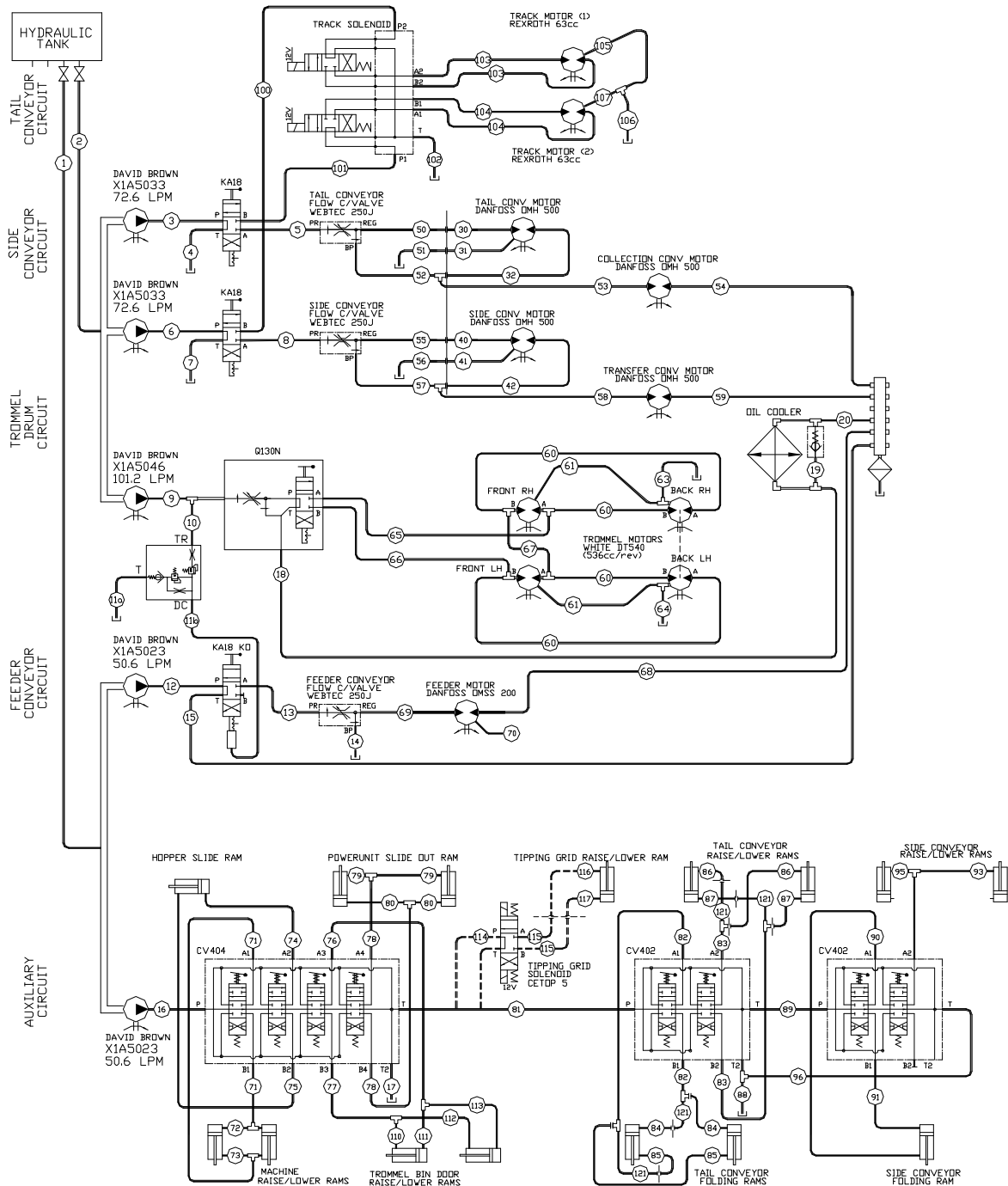
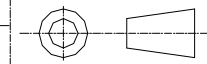
MACHINE TYPE		TITLE		DRAWING NUMBER	CAD DRAWING REF.
ORION 1400		WHEEL MC HYDRAULIC CIRCUIT		NS-1114	NS-1114 .DWG
SCALE REF.		DRN. BY	DATE	CHD. BY	DATE
N.T.S.		DO'H	07-06-06		
<b>POWERSCREEN INTERNATIONAL</b> <b>DISTRIBUTION LIMITED</b>					



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ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED

DO NOT SCALE DRAWING



MACHINE TYPE		TITLE		DRAWING NUMBER	CAD DRAWING REF.
ORION 1400		TRACK MC HYDRAULIC CIRCUIT		NS-1114	NS-1114 .DWG
				SHEET 1 OF 1	BOOKS
SCALE REF.	DRN. BY	DATE	CHD. BY	DATE	 <b>POWERSCREEN INTERNATIONAL</b> <b>DISTRIBUTION LIMITED</b>
N.T.S.	DO'H	07-06-06			





**HYDRAULIC INFORMATION**  
**HOSEKITS**

Figure: 12-03

ORION 1400

Issue Date: 15 / 3 / 07

Rev:A

Item	Part No	Rev	Description	Qty
1	15960200	0	KIT_159AW <i>WHEEL POWERUNIT</i>	1
2	15960205	0	KIT_159BW <i>WHEEL FINAL ASSEMBLY</i>	1
3	15960210	0	KIT_159C <i>TAIL CONVEYOR</i>	1
4	15960215	0	KIT_159D <i>SIDE CONVEYOR</i>	1
5	15960220	0	KIT_159E <i>FUEL LINES</i>	1
6	15960225	0	KIT_159F <i>SIDE SHIFT</i>	1
7	15960230	0	KIT_159G <i>TIPPING GRID</i>	1
8	15960201	0	KIT_159AT <i>TRACK POWERUNIT</i>	1
9	15960206	0	KIT_159BT <i>TRACK FINAL ASSEMBLY</i>	1



**DECALS  
STICKER KITS**

Figure: **13-01**

**ORION 1400**

Issue Date: 15 / 3 / 07

Rev: **A**

Item	Part No	Rev	Description	Qty
1	159001G	0	<i>VINAL KIT (SAME FOR ALL M/C's)</i>	1
2	159001EN	0	<i>STICKER KIT - ENGLISH</i>	1
3	159001FR	0	<i>STICKER KIT - FRENCH</i>	1
4	159001ES	0	<i>STICKER KIT - SPANISH</i>	1
5	159001IT	0	<i>STICKER KIT - ITALIAN</i>	1
6	159001NL	0	<i>STICKER KIT - DUTCH</i>	1
7	159001PO	0	<i>STICKER KIT - POLISH</i>	1
8	159001SV	0	<i>STICKER KIT - SWEDISH</i>	1
9	159001FI	0	<i>STICKER KIT - FINLAND</i>	1
10	159001DA	0	<i>STICKER KIT - DANISH</i>	1
11	159001NO	0	<i>STICKER KIT - NORWEGIAN</i>	1
12	159001DE	0	<i>STICKER KIT - GERMAN</i>	1



# Spare Parts Listings

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(Figure, Item, Qty)

<b>00000038</b> 08-03 (8) 1	<b>02030635</b> 04-02 (9) 1	11-02 (35) 2	<b>05420143</b> 04-02 (19) 5 04-03 (21) 3 05-02 (3) 7 11-02 (36) 11 11-02 (40) 7	<b>06690675</b> 09-03 (5) 1	<b>06920357</b> 07-02 (11) 2	02-01 (14) 4 03-01 (2) 4 11-02 (14) 4 11-02 (22) 4
<b>00008080</b> 09-03 (3) 1	<b>02060202</b> 08-03 (15) 8	<b>03210128</b> 09-03 (13) 4		<b>06690676</b> 09-03 (6) 1	<b>06920358</b> 07-02 (20) 16	<b>09460300</b> 01-02 (14) 1
<b>00016280</b> 02-01 (28) 2	<b>02060203</b> 09-01 (10) 11 09-02 (2) 9 09-03 (17) 3	<b>03210165</b> 01-01 (7) 2	<b>05421143</b> 04-03 (18) 1 05-03 (17) 1 11-02 (49) 1 11-02 (38) 1	<b>06690682</b> 09-03 (12) 1	<b>06920359</b> 07-02 (21) 64	<b>09499104</b> 01-02 (6) 12
<b>00020006</b> 01-01 (23) 2	<b>02060204</b> 09-01 (4) 1	<b>03210171</b> 09-01 (28) 1 11-01 (8) 1 11-02 (70) 1		<b>06740135</b> 01-03 (4) 2	<b>06920361</b> 07-02 (22) 64	<b>09499108</b> 06-01 (5) 10
<b>00180057</b> 09-02 (6) 3 09-02 (6) 1	<b>02060207</b> 09-01 (15) 1	<b>03210237</b> 09-03 (26) 1 10-04 (4) 1 11-01 (6) 1	<b>05690195</b> 06-01 (31) 1	<b>06760105</b> 09-01 (29) 1 11-01 (9) 1 11-02 (71) 1	<b>06920362</b> 07-02 (16) 1	<b>09550175</b> 08-01 (12) 2
<b>01190113</b> 09-03 (16) 1	<b>02060213</b> 08-03 (13) 1	<b>03210294</b> 08-03 (12) 1	<b>05720192</b> 09-03 (7) 2	<b>06760107</b> 09-01 (25) 1	<b>06920363</b> 07-02 (17) 1	<b>09830127</b> 01-02 (19) 2
<b>01190115</b> 09-01 (21) 1	<b>02060214</b> 08-03 (16) 4	<b>03220115</b> 09-02 (3) 3 11-02 (59) 3	<b>05720193</b> 09-03 (8) 1	<b>06760108</b> 09-01 (26) 1	<b>06920364</b> 07-02 (25) 2	<b>09830421</b> 01-01 (25) 2
<b>01190116</b> 09-01 (24) 1	<b>02060215</b> 08-03 (17) 8	<b>03260144</b> 09-01 (18) 1 09-01 (8) 1 09-01 (17) 1 09-01 (13) 1	<b>05760111</b> 09-02 (7) 2 11-02 (60) 1	<b>06760110</b> 09-03 (21) 1	<b>06920367</b> 07-02 (26) 92	<b>09900405</b> 01-01 (20) 2 02-01 (8) 2 03-01 (7) 2 04-02 (7) 2 05-02 (5) 2 11-02 (2) 2 11-02 (24) 2 11-02 (29) 2 11-02 (41) 2
<b>01800162</b> 09-01 (9) 1	<b>02060216</b> 09-01 (6) 6 09-01 (11) 11 09-02 (4) 9 09-03 (18) 3	<b>03260145</b> 09-01 (20) 1 09-01 (22) 1	<b>05761004</b> 11-02 (64) 1	<b>06760116</b> 09-03 (20) 1	<b>06920368</b> 07-02 (27) 368	
<b>01800275</b> 09-02 (11) 1 10-04 (6) 1	<b>02060217</b> 09-01 (5) 1 09-01 (16) 1	<b>03260146</b> 09-01 (12) 1	<b>05790251</b> 09-03 (47) 1	<b>06760119</b> 09-03 (24) 4	<b>06920384</b> 07-02 (27) 368	
<b>01920254</b> 01-01 (12) 1 11-02 (3) 1	<b>02060231</b> 08-03 (14) 4	<b>03260149</b> 09-01 (19) 1	<b>05790360</b> 09-03 (15) 1 11-02 (62) 1	<b>06761109</b> 09-03 (51) 1	<b>06920388</b> 07-02 (29) 36	
<b>01920284</b> 09-03 (9) 1	<b>02060442</b> 09-01 (7) 6	<b>03260228</b> 09-01 (14) 1	<b>06520185</b> 08-01 (20) 2	<b>06790420</b> 10-04 (7) 1	<b>06920389</b> 07-02 (28) 36	<b>12010131</b> 02-01 (16) 7 04-02 (21) 6 05-02 (13) 6
<b>01920454</b> 09-02 (8) 1	<b>02110539</b> 09-01 (23) 1 09-03 (22) 1	<b>03260232</b> 09-01 (14) 1 11-01 (7) 1 11-02 (57) 1	<b>06520272</b> 07-01 (8) 1	<b>06920346</b> 07-02 (18) 2	<b>06920392</b> 07-02 (23) 2	<b>12011131</b> 06-01 (41) 4
<b>01950198</b> 01-03 (18) 1	<b>02210163</b> 06-01 (30) 1	<b>03260272</b> 07-01 (5) 1	<b>06521222</b> 07-01 (5) 1	<b>06920347</b> 07-02 (14) 4	<b>06920393</b> 07-02 (24) 2	<b>12030426</b> 04-03 (19) 1 05-03 (19) 1 11-02 (50) 1 11-02 (39) 1
<b>01950204</b> 01-02 (25) 3	<b>02220225</b> 02-01 (27) 1 03-01 (25) 1 04-03 (6) 1 11-02 (32) 1 11-02 (20) 1	<b>03310228</b> 09-01 (1) 1	<b>06590133</b> 09-01 (2) 1	<b>06920348</b> 07-02 (15) 4	<b>06920415</b> 07-01 (4) 4	
<b>02010207</b> 01-03 (9) 3	<b>04220124</b> 01-01 (28) 11	<b>06590276</b> 10-04 (3) 4	<b>06590276</b> 10-04 (3) 4	<b>06920349</b> 07-02 (19) 1	<b>06930243</b> 01-01 (22) 2 03-01 (28) 2 11-02 (28) 2 11-02 (5) 2	<b>12090363</b> 09-02 (7) 2
<b>02011133</b> 01-02 (24) 3	<b>05010240</b> 07-01 (6) 4	<b>06590339</b> 09-03 (31) 1	<b>06590339</b> 09-03 (31) 1	<b>06920350</b> 07-02 (3) 1	<b>06960680</b> 07-02 (13) 2	<b>12130416</b> 01-01 (2) 1 11-02 (6) 2
<b>02012116</b> 09-01 (3) 1	<b>05121159</b> 01-01 (3) 1 11-02 (1) 2	<b>06620420</b> 06-01 (42) 1	<b>06620420</b> 06-01 (42) 1	<b>06920351</b> 07-02 (4) 1	<b>07010150</b> 07-01 (7) 4	<b>12160100</b> 06-01 (32) 1
<b>02020182</b> 09-03 (23) 4	<b>05130213</b> 01-02 (8) 6	<b>06663100</b> 01-01 (11) 1 11-02 (2) 1	<b>06663100</b> 01-01 (11) 1 11-02 (2) 1	<b>06920352</b> 07-02 (7) 2	<b>07220148</b> 01-02 (4) 1 08-01 (3) 8	<b>12230412</b> 11-02 (4) 1
<b>02021145</b> 03-01 (3) 2 03-01 (31) 4 11-02 (23) 6	<b>05420133</b> 07-01 (9) 32	<b>06690280</b> 09-03 (19) 1 11-02 (63) 1	<b>06690280</b> 09-03 (19) 1 11-02 (63) 1	<b>06920353</b> 07-02 (8) 2	<b>07290361</b> 09-03 (14) 1	<b>12230525</b> 05-02 (1) 2
<b>02030475</b> 06-01 (16) 2	<b>02420116</b> 04-03 (16) 2	<b>06690405</b> 10-04 (8) 1	<b>06690405</b> 10-04 (8) 1	<b>06920354</b> 07-02 (10) 2	<b>09230195</b> 01-01 (13) 4	<b>12230680</b> 02-01 (15) 8 11-02 (15) 8



## Spare Parts Listings

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<b>12260125</b> 06-01 (11) 2	<b>12290521</b> 11-02 (58) 1	<b>15830163</b> 01-02 (21) 1	05-01 (5) 2	<b>15920100</b> 06-01 (1) 1	<b>15920228</b> 08-01 (23) 1	<b>15930109</b> 01-01 (8) 8
<b>12260162</b> 06-01 (34) 2	<b>15070133</b> 09-02 (7) 1 11-02 (61) 1	<b>15830177</b> 01-02 (23) 1	<b>15890100</b> 09-03 (29) 1	<b>15920101</b> 06-01 (1) 1	<b>15920230</b> 08-01 (21) 2	<b>15930112</b> 01-01 (10) 1
<b>12260164</b> 06-01 (4) 1	<b>15560115</b> 02-01 (27) 1 05-03 (13) 1 11-02 (48) 1	<b>15830373</b> 08-01 (6) 2	<b>15890101</b> 09-03 (25) 1	<b>15920110</b> 06-01 (13) 1	<b>15920231</b> 08-01 (4) 2	<b>15930113</b> 01-01 (4) 1
<b>12280104</b> 07-02 (2) 2		<b>15830376</b> 04-02 (14) 6 05-02 (4) 2 11-02 (37) 6	<b>15890120</b> 09-02 (1) 1	<b>15920120</b> 06-01 (10) 2	<b>15920235</b> 08-01 (7) 1	<b>15930114</b> 01-01 (6) 1
<b>12290153</b> 06-01 (24) 4	<b>15560130</b> 09-03 (11) 1		<b>15890122</b> 09-03 (36) 1	<b>15920123</b> 06-01 (43) 2	<b>15920238</b> 08-01 (22) 4	<b>15930115</b> 01-01 (24) 2
<b>12290155</b> 09-02 (5) 1 10-04 (1) 1	<b>15590207</b> 09-03 (10) 1	<b>15840101</b> 01-03 (6) 1	<b>15890130</b> 09-03 (38) 1 10-04 (5) 1	<b>15920125</b> 06-01 (36) 2	<b>15920240</b> 08-01 (5) 2	<b>15930126</b> 01-01 (18) 1
<b>12290156</b> 10-04 (2) 1	<b>15680052</b> 02-01 (29) 2 08-03 (3) 2 08-03 (3) 4 11-02 (21) 2	<b>15840103</b> 01-03 (5) 2	<b>15890150</b> 09-01 (27) 1 09-01 (27) 1	<b>15920130</b> 06-01 (2) 4	<b>15920242</b> 08-01 (19) 1	<b>15930127</b> 01-01 (17) 2
<b>12290157</b> 09-03 (4) 1		<b>15840118</b> 01-03 (2) 1	<b>15890170</b> 09-03 (50) 1	<b>15920131</b> 06-01 (3) 2	<b>15920243</b> 08-01 (16) 1	<b>15930131</b> 01-01 (14) 1
<b>12290400</b> 09-03 (33) 1 09-03 (40) 1	<b>15820210</b> 08-03 (19) 4	<b>15840135</b> 01-03 (10) 2	<b>15890176</b> 09-03 (27) 1 09-03 (27) 1	<b>15920135</b> 06-01 (28) 1	<b>15920245</b> 06-01 (40) 1	<b>15930135</b> 01-02 (9) 4
<b>12290401</b> 09-03 (35) 1 11-01 (1) 1 11-02 (65) 1	<b>15820215</b> 08-03 (11) 1	<b>15840137</b> 01-03 (10) 17	<b>15890177</b> 09-03 (30) 1	<b>15920136</b> 06-01 (29) 3	<b>15920250</b> 07-02 (1) 1	<b>15930140</b> 01-01 (21) 1
<b>12290402</b> 09-03 (37) 1 11-01 (2) 1 11-02 (66) 1	<b>15820216</b> 08-03 (10) 1 11-02 (51) 1	<b>15840216</b> 01-03 (8) 3	<b>159001DA</b> 13-01 (10) 1	<b>15920150</b> 06-01 (26) 1	<b>15920261</b> 08-03 (4) 1	<b>15930141</b> 01-01 (27) 2
<b>12290403</b> 09-03 (39) 1	<b>15820217</b> 08-03 (9) 1	<b>15840221</b> 01-03 (10) 24	<b>159001DE</b> 13-01 (12) 1	<b>15920200</b> 08-01 (1) 1	<b>15920262</b> 08-03 (5) 1 11-02 (53) 1	<b>15930142</b> 01-01 (26) 1
<b>12290404</b> 09-03 (34) 1	<b>15820218</b> 11-02 (56) 4	<b>15840222</b> 01-03 (7) 3	<b>159001EN</b> 13-01 (2) 1	<b>15920205</b> 08-01 (14) 1	<b>15920263</b> 08-03 (6) 2	<b>15930143</b> 01-01 (19) 1
<b>12290419</b> 09-03 (28) 1 11-02 (67) 1	<b>15830117</b> 01-01 (5) 1	<b>15840223</b> 01-03 (7) 2	<b>159001ES</b> 13-01 (4) 1	<b>15920206</b> 08-01 (13) 1	<b>15920264</b> 08-03 (7) 2 11-02 (54) 2	<b>15930152</b> 01-02 (1) 1
<b>12290420</b> 09-03 (32) 1	<b>15830125</b> 01-01 (16) 1	<b>15840224</b> 01-03 (7) 1	<b>159001FI</b> 13-01 (9) 1	<b>15920207</b> 08-01 (13) 1	<b>15920270</b> 08-03 (1) 2 08-03 (1) 4	<b>15930160</b> 01-02 (22) 1
<b>12290501</b> 09-03 (10) 1	<b>15830135</b> 01-02 (11) 2 11-02 (11) 2	<b>15850101</b> 08-02 (1) 1	<b>159001FR</b> 13-01 (3) 1	<b>15920211</b> 08-01 (18) 1	<b>15920271</b> 08-03 (2) 2 08-03 (2) 4	<b>15930164</b> 01-02 (17) 1
<b>12290510</b> 11-01 (3) 1 11-02 (69) 1	<b>15830136</b> 01-02 (5) 1 11-02 (10) 1	<b>15850112</b> 08-02 (2) 4	<b>159001G</b> 13-01 (1) 1	<b>15920220</b> 08-01 (8) 1	<b>15920277</b> 07-01 (1) 1	<b>15930165</b> 01-02 (16) 1
<b>12290515</b> 11-01 (4) 1 11-02 (68) 1	<b>15830137</b> 11-02 (9) 2	<b>15860100</b> 08-03 (18) 4 11-02 (52) 4 11-02 (55) 4	<b>159001IT</b> 13-01 (5) 1	<b>15920221</b> 08-01 (10) 1	<b>15920400</b> 07-01 (2) 8	<b>15930166</b> 11-02 (8) 1
<b>12290520</b> 09-03 (28) 1 11-01 (5) 1	<b>15830141</b> 01-02 (18) 1	<b>15860104</b> 09-02 (9) 1	<b>159001NL</b> 13-01 (6) 1	<b>15920222</b> 08-01 (9) 1	<b>15920405</b> 07-01 (3) 4	<b>15930175</b> 08-01 (15) 1
	<b>15830161</b> 01-02 (2) 1	<b>15860110</b> 05-01 (4) 2	<b>159001NO</b> 13-01 (11) 1	<b>15920223</b> 08-01 (24) 1	<b>15930100</b> 01-01 (1) 1	<b>15930176</b> 08-01 (15) 1
	<b>15830162</b> 01-02 (3) 1	<b>15860115</b> 04-01 (4) 1	<b>159001PO</b> 13-01 (7) 1	<b>15920224</b> 08-01 (11) 1	<b>15930180</b> 06-01 (23) 1	<b>15930179</b> 01-02 (16) 1
			<b>159001SV</b> 13-01 (8) 1	<b>15920225</b> 08-01 (17) 1		



## Spare Parts Listings

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(Figure, Item, Qty)

<b>15930181</b> 04-02 (20) 1 06-01 (22) 2		<b>15930342</b> 02-01 (17) 1	<b>15930422</b> 04-02 (13) 1	<b>15930500</b> 05-02 (2) 1	<b>15930570</b> 05-01 (6) 1	<b>15960220</b> 12-03 (5) 1
<b>15930187</b> 01-02 (13) 1 01-02 (20) 1	<b>15930238</b> 03-01 (18) 2	<b>15930343</b> 02-01 (19) 1 11-02 (16) 1	<b>15930423</b> 04-02 (13) 1	<b>15930505</b> 05-03 (5) 1	<b>15930571</b> 05-01 (6) 1	<b>15960225</b> 12-03 (6) 1
<b>15930188</b> 01-02 (15) 1	<b>15930255</b> 03-01 (12) 1	<b>15930344</b> 02-01 (21) 1 11-02 (17) 1	<b>15930424</b> 11-02 (30) 2	<b>15930510</b> 04-03 (11) 1 05-03 (7) 1	<b>15930576</b> 05-01 (7) 2	<b>15960230</b> 12-03 (7) 1
<b>15930191</b> 08-01 (25) 1	<b>15930256</b> 03-01 (11) 1 11-02 (25) 2	<b>15930345</b> 02-01 (9) 1	<b>15930425</b> 04-02 (15) 2	<b>15930511</b> 04-03 (13) 1 05-03 (9) 1	<b>15932405</b> 04-01 (5) 1	<b>15970102</b> 01-02 (12) 1
<b>15930192</b> 08-01 (26) 1	<b>15930264</b> 03-01 (8) 1	<b>15930346</b> 02-01 (12) 2	<b>15930427</b> 04-02 (16) 1	<b>15930512</b> 04-03 (12) 2 05-03 (8) 2	<b>15940100</b> 01-03 (1) 1	<b>15970103</b> 01-02 (10) 1
<b>15930200</b> 03-01 (1) 1	<b>15930305</b> 02-01 (13) 1	<b>15930347</b> 02-01 (11) 1 11-02 (13) 1	<b>15930428</b> 04-02 (17) 1	<b>15930520</b> 05-02 (15) 1	<b>15940160</b> 01-03 (12) 1	<b>15970104</b> 01-02 (10) 1
<b>15930201</b> 03-01 (29) 1	<b>15930310</b> 02-01 (30) 1	<b>15930348</b> 02-01 (10) 1	<b>15930429</b> 04-02 (18) 1	<b>15930521</b> 05-02 (18) 1	<b>15940211</b> 01-03 (3) 1	<b>15970105</b> 01-02 (7) 1
<b>15930202</b> 03-01 (29) 1	<b>15930311</b> 02-01 (30) 1	<b>15930350</b> 02-01 (25) 1 03-01 (23) 1 04-03 (9) 1 05-03 (11) 1 11-02 (27) 1 11-02 (19) 1 11-02 (33) 1 11-02 (47) 1	<b>15930435</b> 04-02 (3) 1 05-02 (12) 1	<b>15930522</b> 05-02 (19) 1 11-02 (44) 1	<b>15940219</b> 01-03 (13) 2	<b>15970106</b> 01-02 (12) 1
<b>15930205</b> 03-01 (9) 1	<b>15930312</b> 02-01 (4) 1	<b>15930360</b> 02-01 (3) 2	<b>15930440</b> 04-01 (1) 2	<b>15930530</b> 05-01 (2) 2	<b>15940220</b> 01-03 (14) 1	<b>15970108</b> 08-01 (2) 4
<b>15930210</b> 03-01 (20) 1	<b>15930320</b> 02-01 (31) 1	<b>15930365</b> 02-01 (2) 2	<b>15930445</b> 04-03 (1) 1	<b>15930531</b> 05-01 (1) 2	<b>15940241</b> 01-03 (15) 2	<b>15970120</b> 03-01 (19) 1
<b>15930211</b> 03-01 (27) 1	<b>15930323</b> 02-01 (26) 1	<b>15930366</b> 02-01 (1) 2	<b>15930450</b> 04-03 (2) 1	<b>15930532</b> 05-01 (3) 1	<b>15950105</b> 08-02 (1) 1	<b>15970125</b> 03-01 (30) 1
<b>15930212</b> 03-01 (21) 2	<b>15930324</b> 03-01 (26) 1 04-03 (8) 1 05-03 (14) 1	<b>15930365</b> 02-01 (2) 2	<b>15930455</b> 04-03 (15) 1	<b>15930532</b> 05-01 (3) 1	<b>15950110</b> 08-02 (3) 1 11-02 (7) 1	<b>15970126</b> 03-01 (30) 1
<b>15930215</b> 03-01 (6) 1	<b>15930325</b> 03-01 (24) 1 04-03 (10) 1 05-03 (12) 1	<b>15930365</b> 02-01 (2) 2	<b>15930456</b> 04-03 (15) 1	<b>15930537</b> 05-02 (16) 2 11-02 (43) 1	<b>15950116</b> 08-02 (4) 5	<b>15970130</b> 04-02 (2) 1 04-02 (2) 1
<b>15930216</b> 03-01 (4) 1	<b>15930325</b> 03-01 (24) 1 04-03 (10) 1 05-03 (12) 1	<b>15930366</b> 02-01 (1) 2	<b>15930460</b> 04-03 (2) 1	<b>15930538</b> 05-02 (17) 2	<b>15960105</b> 04-01 (3) 2	<b>15970131</b> 04-02 (2) 1 04-02 (2) 1 04-02 (2) 1
<b>15930217</b> 03-01 (5) 2	<b>15930330</b> 02-01 (7) 1	<b>15930400</b> 04-02 (1) 1	<b>15930461</b> 04-03 (3) 1	<b>15930545</b> 05-01 (8) 2	<b>15960106</b> 07-02 (5) 2	<b>15970140</b> 05-02 (10) 1
<b>15930220</b> 03-01 (14) 1	<b>15930331</b> 02-01 (5) 1	<b>15930400_SECT</b> 04-01 (2) 1	<b>15930462</b> 04-02 (11) 2 04-03 (4) 2 11-02 (31) 2	<b>15930550</b> 05-03 (1) 1	<b>15960107</b> 06-01 (9) 2	<b>15970141</b> 05-02 (10) 1
<b>15930222</b> 03-01 (10) 1	<b>15930332</b> 02-01 (6) 2	<b>15930415</b> 04-02 (6) 1 05-02 (8) 1	<b>15930463</b> 04-02 (12) 2 04-03 (5) 2	<b>15930555</b> 05-03 (4) 1	<b>15960200</b> 12-03 (1) 1	<b>15970142</b> 05-02 (9) 1
<b>15930226</b> 03-01 (13) 1	<b>15930335</b> 02-01 (18) 1	<b>15930416</b> 04-02 (4) 1 05-02 (6) 1	<b>15930465</b> 04-03 (17) 1 05-03 (16) 1	<b>15930556</b> 05-03 (4) 1	<b>15960201</b> 12-03 (8) 1	<b>15970143</b> 04-03 (20) 1 05-03 (18) 1
<b>15930235</b> 03-01 (16) 1	<b>15930336</b> 02-01 (23) 1	<b>15930417</b> 04-02 (5) 2 05-02 (7) 2	<b>15930466</b> 04-03 (17) 1 05-03 (16) 1	<b>15930557</b> 05-03 (3) 2 11-02 (45) 2	<b>15960205</b> 12-03 (2) 1	<b>15970146</b> 05-03 (6) 1
<b>15930236</b> 03-01 (15) 1 04-02 (8) 1 05-02 (11) 1	<b>15930337</b> 02-01 (22) 2	<b>15930420</b> 04-02 (10) 1	<b>15930475</b> 06-01 (39) 1	<b>15930558</b> 05-03 (2) 2	<b>15960206</b> 12-03 (9) 1	<b>15980102</b> 06-01 (12) 2 06-01 (35) 2
<b>15930237</b> 03-01 (17) 1	<b>15930340</b> 02-01 (20) 1	<b>15930421</b> 04-02 (10) 1	<b>15930478</b> 06-01 (33) 1	<b>15930560</b> 05-03 (15) 1	<b>15960210</b> 12-03 (3) 1	<b>15980105</b> 01-03 (16) 1
	<b>15930341</b> 02-01 (17) 1			<b>15930561</b> 05-03 (15) 1	<b>15960215</b> 12-03 (4) 1	



## Spare Parts Listings

### Index of Parts

(Figure, Item, Qty)

<b>15980106</b> 07-02 (6) 2	<b>15990176</b> 09-03 (43) 1
<b>15990121</b> 09-02 (10) 1 09-02 (10) 1	<b>15990177</b> 09-03 (45) 1
<b>15990130</b> 06-01 (17) 1	<b>15990179</b> 09-03 (44) 1 09-03 (44) 1
<b>15990131</b> 06-01 (15) 1	<b>15990181</b> 09-03 (46) 1
<b>15990132</b> 06-01 (14) 2	<b>15990190</b> 09-03 (2) 1
<b>15990135</b> 06-01 (7) 1	<b>15990191</b> 09-03 (1) 1
<b>15990137</b> 06-01 (6) 1	<b>15990205</b> 06-01 (18) 4
<b>15990138</b> 06-01 (27) 1	<b>17640110</b> 01-03 (11) 1
<b>15990139</b> 06-01 (8) 1	<b>17640126</b> 01-03 (19) 27
<b>15990140</b> 06-01 (19) 1	<b>17660115</b> 01-03 (17) 1
<b>15990141</b> 06-01 (20) 1	
<b>15990143</b> 06-01 (21) 1	
<b>15990144</b> 06-01 (37) 1	
<b>15990148</b> 06-01 (38) 1	
<b>15990150</b> 09-03 (50) 1	
<b>15990156</b> 09-03 (49) 1	
<b>15990157</b> 09-03 (45) 1	
<b>15990158</b> 09-03 (42) 1	
<b>15990170</b> 09-03 (48) 1	
<b>15990171</b> 09-03 (49) 1	
<b>15990172</b> 09-03 (42) 1	
<b>15990174</b> 09-03 (41) 1	