



1330 76th Ave SW • Cedar Rapids, IA • 52404-7052
Ph: 319/363-8281 • Fax: 319/286-3351
www.NewLeader.com

Dear Customer:

On behalf of Highway Equipment Company, now doing business as New Leader Manufacturing, we want to thank you for your purchase of your New Leader® equipment.

You are now eligible for our **FREE EXTENDED WARRANTY PROGRAM** provided your dealer completes and returns the DELIVERY & EXTENDED WARRANTY FORM to New Leader Manufacturing within 30 days of delivery.

When your dealer submits the DELIVERY & EXTENDED WARRANTY FORM online, not only will you receive our BASIC (6) six-month genuine parts only warranty; you will also receive, at no charge, an additional (18) eighteen months for a total of (24) twenty-four months of warranty for parts.

As an added bonus for getting the DELIVERY & EXTENDED WARRANTY FORM to New Leader Manufacturing within 30 days of delivery, we will also extend labor coverage at our standard dealer labor reimbursement rate for a period of (24) twenty-four months. Contact your dealer to register and complete the DELIVERY & EXTENDED WARRANTY FORM online at <http://legacy-newleader.highwayequipment.com>.

Thank you for your purchase.

FREE Extended Warranty Program

- 30 days to turn in DELIVERY & EXTENDED WARRANTY FORM
- 24 months on genuine parts
- 24 months labor

This pre-delivery checklist is provided to identify the items checked and, if necessary, adjusted by the dealer prior to delivery of this machine.

CHECK THE FOLLOWING AND ADJUST IF NECESSARY:

Before starting engine/Before starting machine operation

- | | |
|---|--|
| ☐ Battery condition and connection | ☐ Center divider in frame |
| ☐ Electrical connections | ☐ Safety shields in place |
| ☐ Hydraulic oil level and line connections | ☐ All fasteners secure |
| ☐ Gear case oil level (right and/or left) | ☐ Chain tension and sprocket alignments |
| ☐ Lubricate all grease fittings | ☐ Center spinner frame assembly |
| ☐ Frame mounts adjusted properly | ☐ Tighten set screw in divider adjuster |

Start chassis/Start run to operation temperature

- | | |
|---|---|
| ☐ All gauges operating correctly | ☐ Hydraulic fittings tight no leaks |
| ☐ Engine RPM (operating speed) | ☐ Flow control valve operation |
| ☐ Check operation of all alarms | ☐ Calibrate processor |
| ☐ Check operation of monitor and display | ☐ Test-drive, verify calibration |
| ☐ Hydraulic system functions | ☐ Test manual operation of conveyor & spinners |
| ☐ Pump flow @ OERPM is ____ GPM | ☐ Check belt alignment and chain tension |

Stop operation/Turn off engine, engage parking brake

- ☐ Visual check for leaks ☐ All oil levels full

Inspection performed by: Dealer Signature _____ Date _____

Reviewed the following with the owner:

- ☐ Operations manual ☐ Safety precautions ☐ Storage ☐ Warranty

Customer Signature _____ Date _____

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1330 76TH Ave SW
Cedar Rapids, IA 52404-7052
Phone: (800) 363-1771
www.NewLeader.com

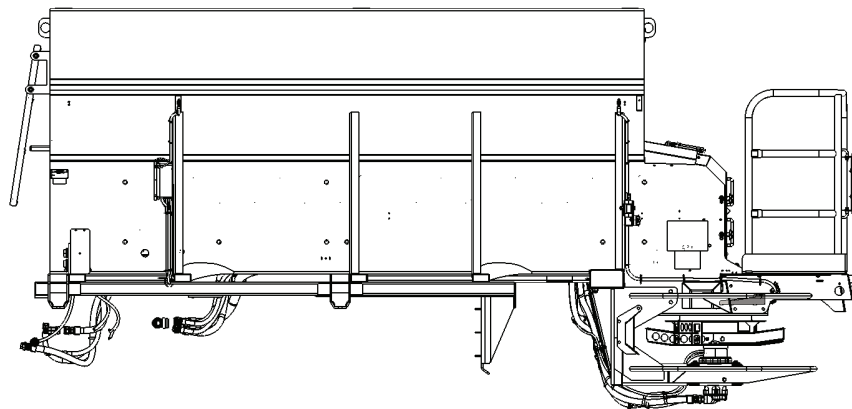
NL710 CNH Trident 5550 Dry High Flow

Parts Manual

Unit Serial No. _____

Manual Number: 325050-A

Effective: 06/2025



Serious injury or death can result from the failure to read, understand, and follow instructions provided in the spreader operator's manual. Before using this equipment, read, understand and follow all instructions in the spreader operator's manual as well as the chassis operator's manual supplied by your chassis manufacturer.

NEW LEADER LIMITED WARRANTY

BASIC WARRANTY

HIGHWAY EQUIPMENT COMPANY d/b/a NEW LEADER MANUFACTURING ("Highway") has manufactured or is distributing the Product/Genuine Parts to which this warranty is attached, and warrants to its original reseller including Dealers, Distributors and Original Equipment Manufacturers (hereafter called Dealer) that the Product/Genuine Parts will, under normal conditions of use and service, be free from material defects due to faulty manufacturing for a period of six (6) months from the date of delivery to the original user. For any Product/Genuine Part that does not conform to the aforesaid warranty within six (6) months from the date of delivery to the original user, your Dealer will, at its option, repair or replace parts. Labor costs for this basic warranty coverage will be paid by Highway to the Dealer at their standard shop rate, based on the amount of time Highway establishes to be the time reasonably necessary to make required repairs. If the Product/Genuine Part is defective in materials or workmanship, you must promptly notify your Dealer; and complete the warranty registration by utilizing the internet at <http://dealer.highwayequipment.com> for such Product before the expiration of the warranty period (Genuine Parts do not require a warranty registration but may require proof of purchase). If your Dealer determines that the defect is due to Highway's material or workmanship, your Dealer will, with Highway's consent, repair such defect during normal working hours, at their location, or such other location as the Dealer may designate. The installation of any part that did not originate from Highway will void this Basic Warranty in its entirety. In the event of repair or replacement, the warranty period shall not be extended beyond the original warranty period. In the case of a demonstration or rental machine (Demo), the warranty will begin at the date of delivery to the original user. If the Demo is sold within the first 120 days of the demo or rental period, the warranty will re-start to the date it is delivered to the end user. If the Demo is sold after the 120th day, the warranty will remain at the date of original delivery to the original user.

NEW LEADER EXTENDED WARRANTY

In lieu of the basic warranty described above, if the warranty registration (or warranty information as provided above) is received at Highway within thirty (30) days after the date of delivery to the original user, Highway will warrant that the Product will, under normal conditions of use and service, be free from material defects due to faulty manufacturing for a period of twenty-four (24) months from the date of delivery to the original user. For any Product that does not conform to the aforesaid warranty within twenty-four (24) months from the date of delivery, your Dealer will, at its option, send you a new part, or give you full credit for the part, provided the replacement part is purchased through your Dealer. Labor costs for this extended warranty coverage will be paid by Highway to the Dealer at their standard shop rate, based on the amount of time Highway establishes to be the time reasonably necessary to make required repairs. If the Product is defective in materials or workmanship, you must promptly notify your Dealer before the expiration of the warranty period. If your Dealer determines that the defect is due to Highway's material or workmanship, your Dealer will, with Highway's consent, repair such defect during normal working hours, at their location, or such other location as your Dealer may designate. In the event of repair or replacement, the warranty period shall not be extended beyond the original warranty period. In the case of a Demo, the warranty will begin at the date of delivery to the original user provided the machine is registered with Highway within 30 days. If the Demo is sold within the first 120 days of the demo or rental period and the machine is registered with Highway within 30 days of the sale, the extended warranty will re-start to the date it is delivered to the end user. If the Demo is sold after the 120th day and is registered with Highway within 30 days of the sale, the extended warranty will remain at the date of original delivery to the original user.

Genuine Parts are covered by the Basic Warranty and are not eligible for the Extended Warranty.

If you fail to complete the warranty registration (or warranty information as provided above) to Highway within thirty (30) days after the date of delivery, the extended warranty shall not apply, and your sole remedy for any defects in the Product shall be under the basic warranty described above. This includes all demo or rental machines.

The above warranties do not cover:

- (1) Product that is damaged by abuse, neglect, accident, or modification;
- (2) fluids, towing, telephone, travel and cleaning cost;
- (3) loss of use of vehicle, inconvenience, commercial loss, or consequential damages;
- (4) any combustion engine; or
- (5) the Product itself if parts are installed on the Product that did not originate from Highway.
- (6) Labor for Genuine Parts

The above warranties do not apply under the following conditions:

- (1) when Product has been improperly used or installed, or modified, or fitted with sideboards, or fails because of defects or inefficiency of components not furnished with the Product;
- (2) **when Product is used for purposes for which it was not originally designed or intended;**
- (3) when Product is used under abnormal operating conditions; or
- (4) when the dealer or user fails to follow Highway instructions regarding the Product, including the instruction to install only Highway supplied parts onto the Product.

HIGHWAY WILL BEAR NO OTHER EXPENSE, INCLUDING BUT NOT LIMITED TO LABOR AND MATERIAL COSTS (OTHER THAN THOSE SPECIFIED HEREIN) OF ANY KIND, AND YOUR EXCLUSIVE REMEDY, IN LIEU OF ALL INCIDENTAL, SPECIAL, CONSEQUENTIAL OR ANY OTHER DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR NEGLIGENCE, IS LIMITED TO REPAIR OR REPLACEMENT AS HERETOFORE DESCRIBED. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED OF ANY KIND REGARDING ANY PRODUCT, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR USE. IN NO CASE SHALL HIGHWAY BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL THEORY.

Unless modified in writing, signed by both parties, this Limited Warranty is understood to be the complete and exclusive agreement between the parties, superseding all prior agreements, oral or written, and all other communications between the parties relating to the subject matter of this Limited Warranty. No representative or agent of Highway, nor any third party has authority to change or modify this warranty in any respect, nor to assume any other obligation or liability on behalf of Highway. Any action for breach of warranty must be commenced within six (6) months following the expiration of the Limited Warranty.

These warranties are extended only to the original Dealer and are not transferable. In the event of a warranty claim, you should promptly notify your Dealer and provide the following:

1. Model and serial number of the Product;
2. Date of delivery to the original user;
3. Part number of the defective part;
4. Description of the difficulty encountered;
5. Date of repair.

Highway will work with your Dealer regarding instructions for repair, replacement, or refund, if the warranty claim can be validated.

Effective with Product delivered to original user on or after August 25, 2014.

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NOTE: The information contained within this manual was current at the time it was published. Some information is subject to change to ensure the best performance of the unit. New Leader Manufacturing reserves the right to make changes in materials or design of the product and its manual at any time without notice.

Check with your Authorized Dealer or call our New Leader Manufacturing (NLM) Product Sales and Support Department at 1-888-363-8006 for the latest version of the manual.



® Order from an **AUTHORIZED DEALER** in your area.

Ordering Parts: Instructions

When ordering, please always provide the following:

1. The pertinent model and serial number
2. Part name(s), part number(s) and the quantity required
3. The shipping address
4. The preferred carrier, if applicable

Unless claims for shortages or errors are made immediately upon receipt of goods they will not be considered. Any part returns should be directed through the dealer from which they were purchased.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment to the transportation company from whom a receipt is received showing that shipment was in good condition when delivered to them, therefore, claims (if any) should be filed with the transportation company and not with New Leader Manufacturing.

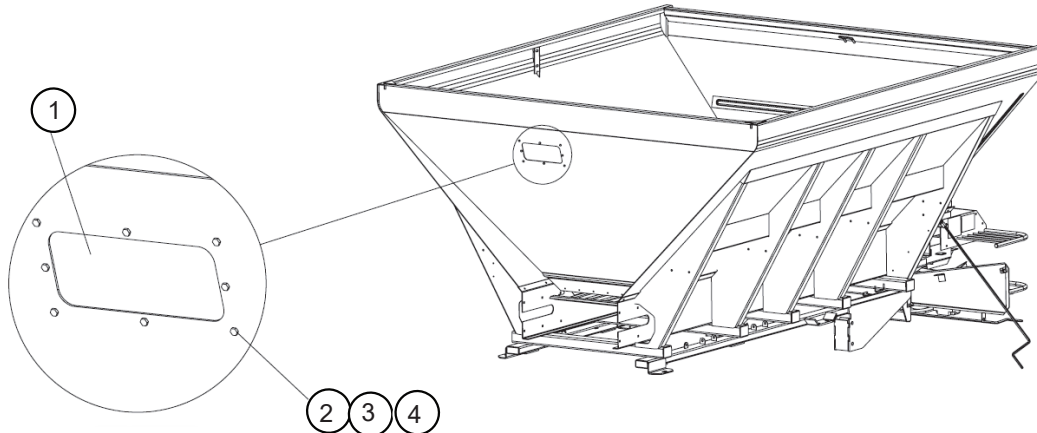
If your claims are not being handled (by the transportation company) to your satisfaction, please call our Product Sales & Support Department at New Leader Manufacturing at (800) 363-1771 for assistance.

In the parts list the following symbols and abbreviations stand for:

- * - Not Shown
- AR – As Required
- CS – Carbon Steel
- SS – Stainless Steel
- NS – Not Serviced

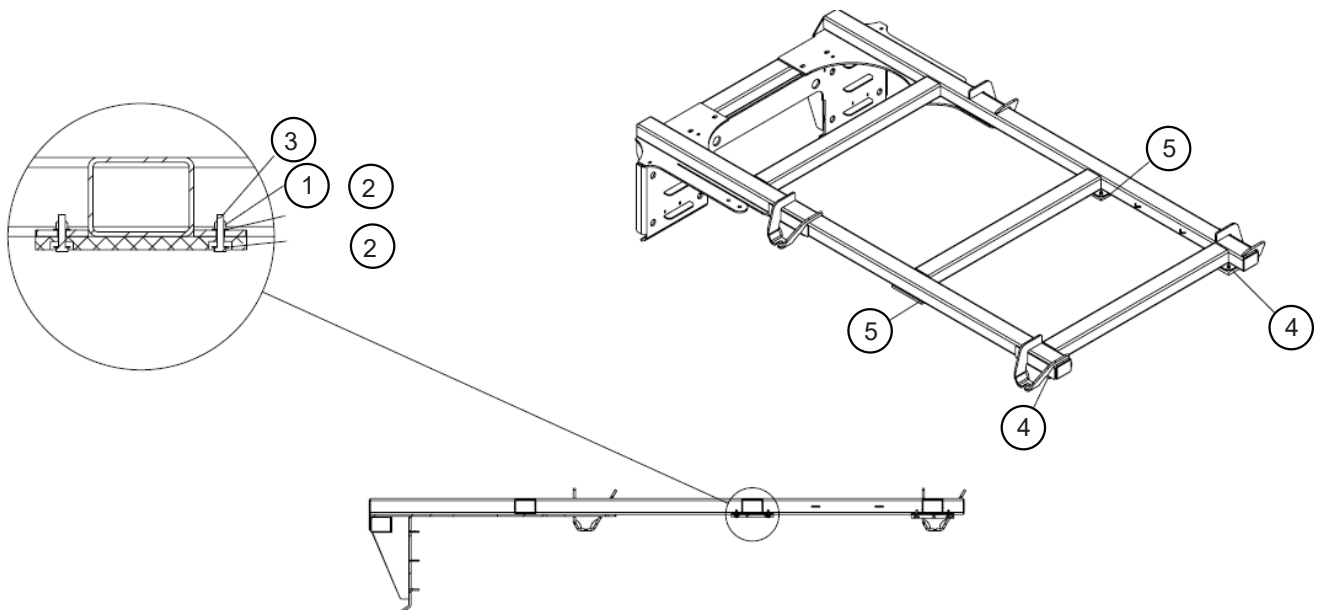
The parts listed under the different steel types (CS, 409 SS and 304 SS) are for that type of unit and do not necessarily mean the part is made of that type of steel.

Body Sight Window



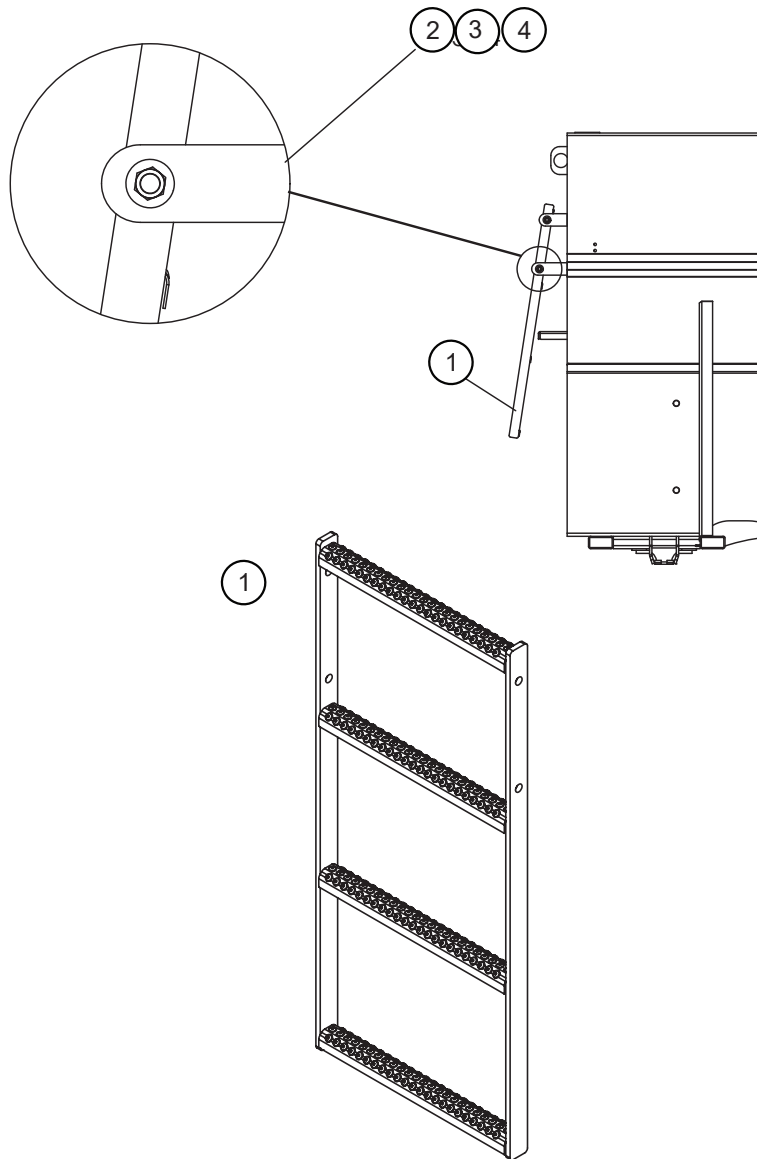
Key	NLM	Description	Qty	Key	NLM	Description	Qty
1	302686	Window - Sight 5X12 Plexiglas	2	3	36423	Washer - .25 SS Flat	16
2	36395	Capscrew - .25-20NC X 1 SS	16	4	42034	Nut - .25-20NC SS Lock	16

Mounting Pads



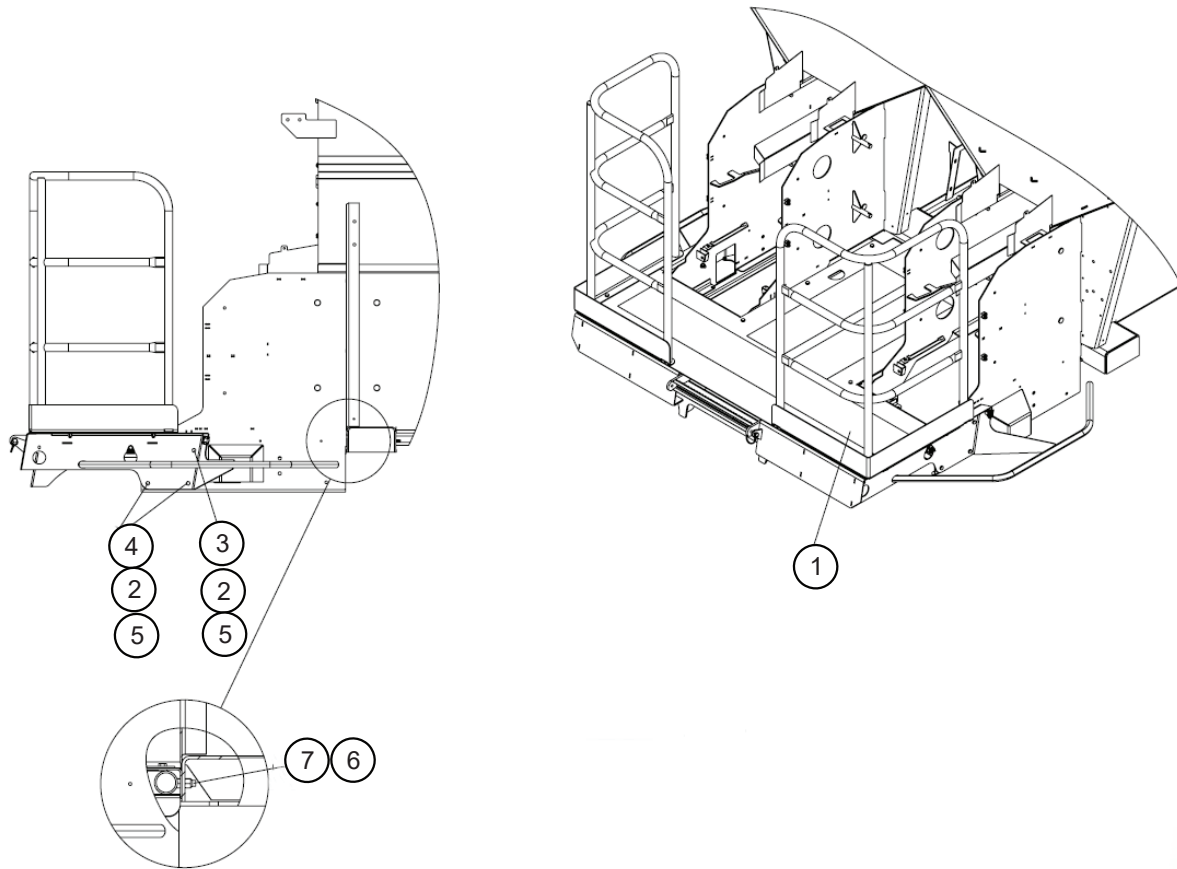
Key	NLM	Description	Qty	Key	NLM	Description	Qty
1	323590	Pad - Mount .75 x 5.5 x 10 Poly	10	3	36423	Washer - .25 SS Flat	40
2	40750	Capscrew - .25-20NC x 1.25 SS	20	4	42034	Nut - .25-20 NC SS Lock	20

Front Ladder



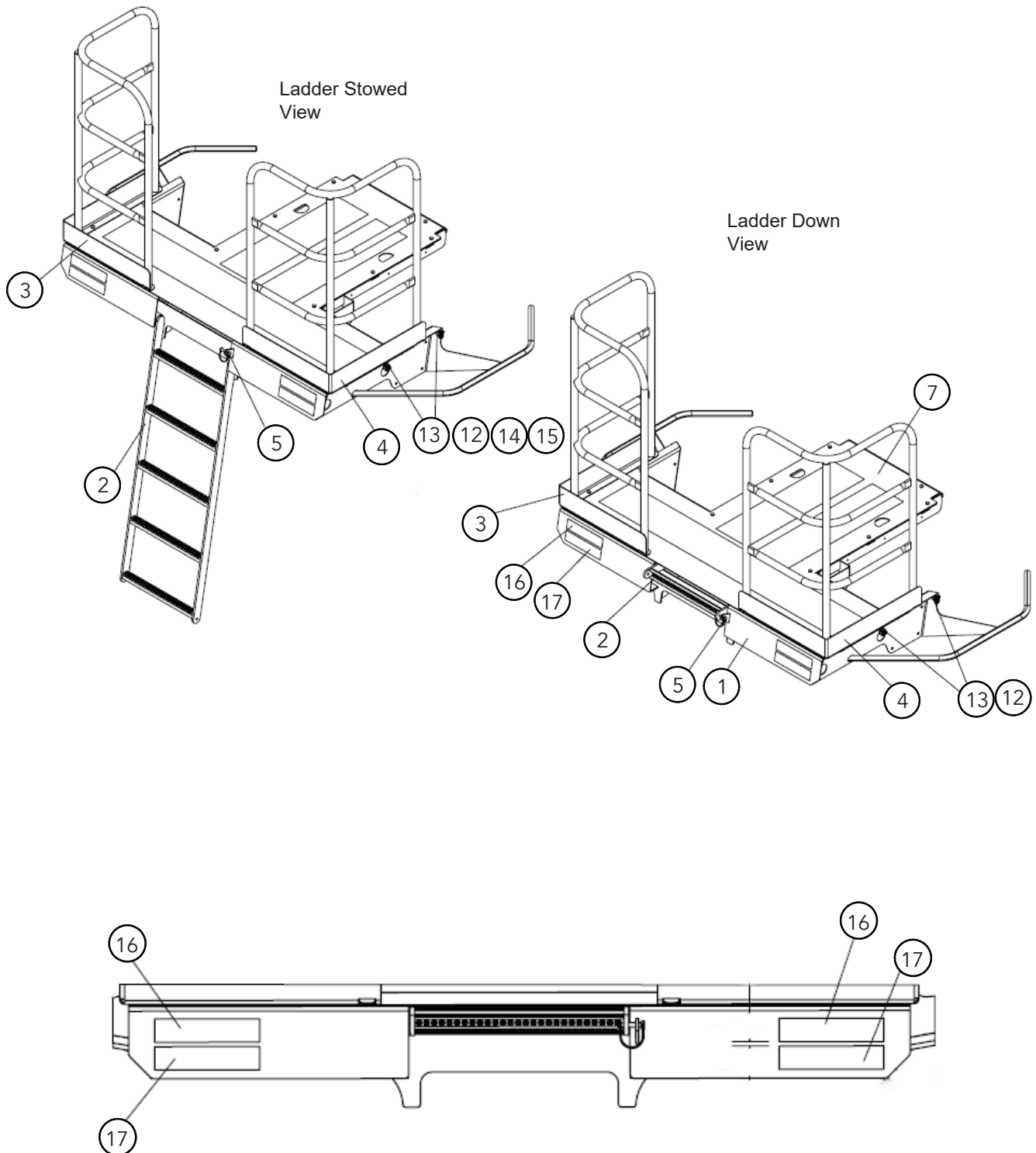
Key	NLM	Description	Qty	Key	NLM	Description	Qty
1	321804	Side - Ladder Rail 304	1	3	36426	Washer - .5 SS Flat	8
2	89038-X1	Rung - Ladder 3-hole 16" 304	4	4	39016	Nut - .5-13NC SS Lock	4

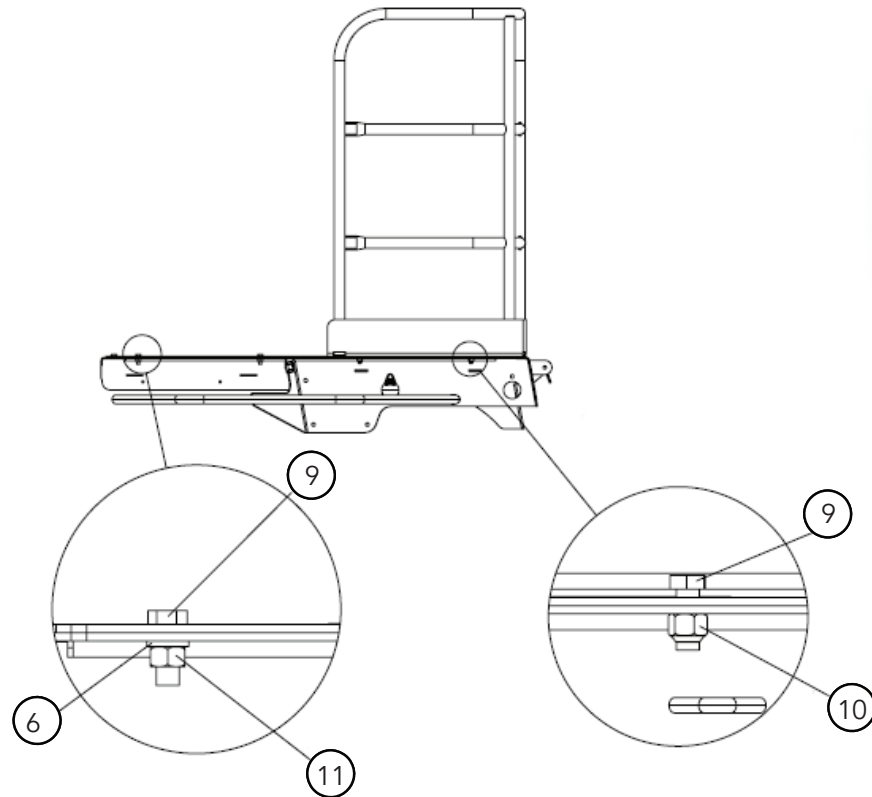
Platform



Key	NLM	Description	Qty	Key	NLM	Description	Qty
1	324321	Platform - Assy 304	1	5	72054	Nut - Lock .375-16NC SS	10
2	36425	Washer - Flat .375 SS	14	6	39016	Nut - .5-13NC SS	2
3	36398	Capscrew - .375-16NC X 1 SS	6	7	36402	Capscrew -.5-13NC X 1.25 SS	2
4	36399	Capscrew - .375-16NC x 1.25 SS	4				

Platform Assembly



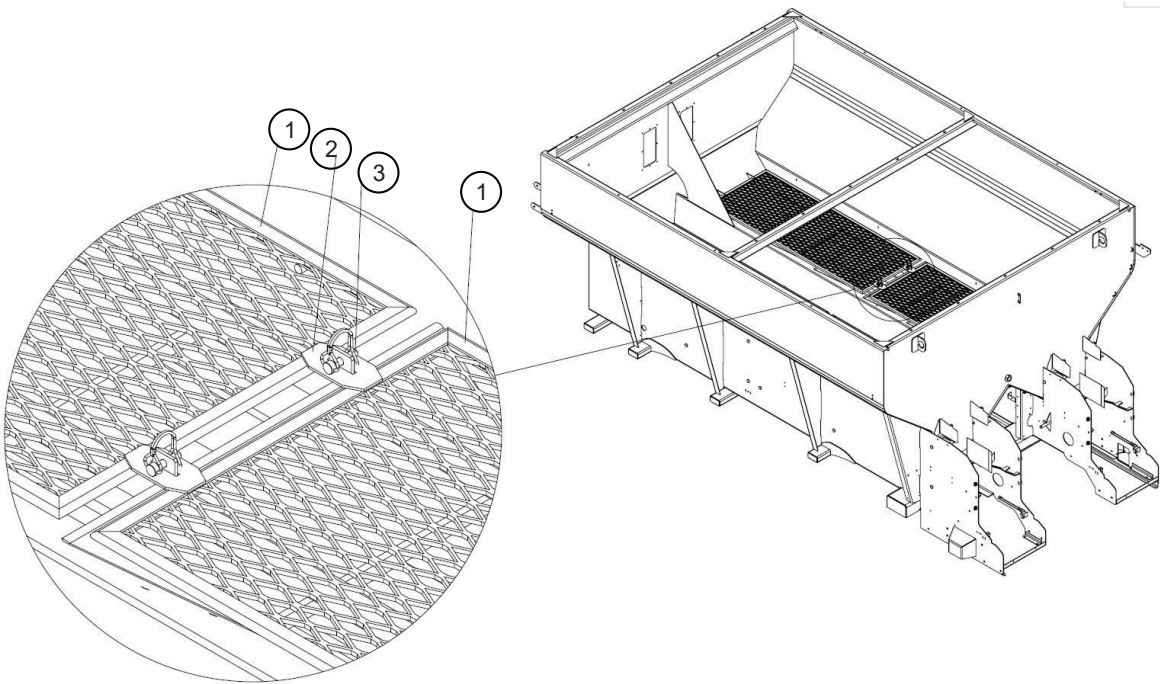


Items hidden for clarity

Items hidden for clarity

Key	Part No.	Description	Qty
	324321	Platform - Assy 304	1
1	324322	Platform - Wldmt 304	1
2	321467	Ladder - Wldmt 18 304	1
3	322760	Railing - Wldmt LH 304	1
4	322764	Railing - Wldmt RH 304	1
5	311732	Pin - Lock .375 X 1.375 SS	1
6	36420	Nut - .375-16NC SS Lock	6
7	322788	Panel - Top 304	1
8	*21699	*Skid Fabric - 8" X (per foot) *Not Shown*	10
9	36398	Capscrew - .375-16NC X 1 SS	16
10	72054	Nut - Lock .375-16NC SS	10
11	36414	Nut - Hex .375-16NC SS	6
12	312964	Clip - Harness Mounting	4
13	300458	Capscrew - .313-18NC X .875 SS	4
14	36424	Washer - Flat .313 SS	4
15	42221	Nut - Lock .313-18NC SS	4
16	72054	Nut - Lock .375-16NC SS	10
17	42221	Nut - Lock .313-18NC SS	4

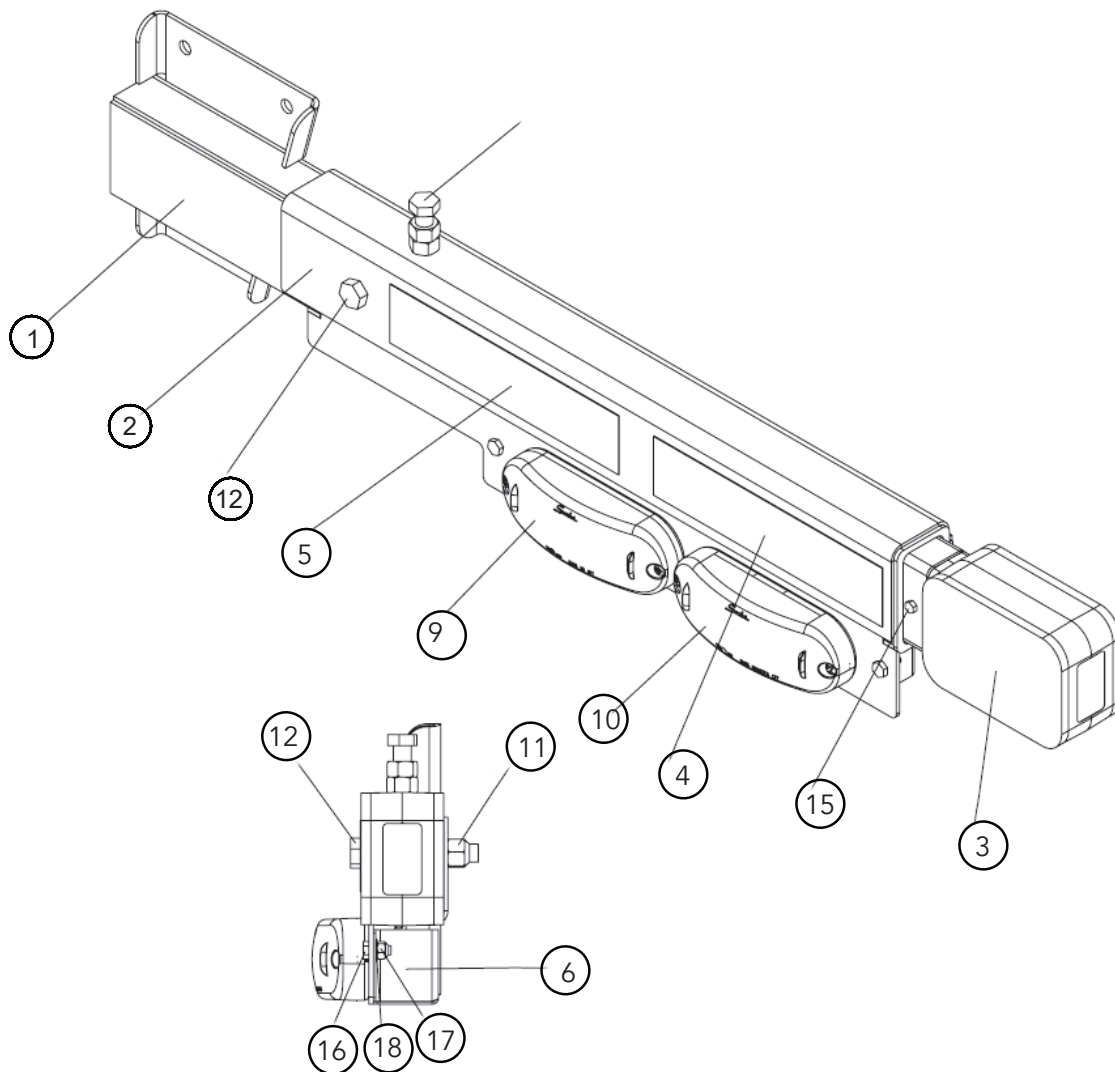
Screens



DETAIL A

Key	NLM	Description	Qty
1	324663	Screen - 24.22 X 63.28 304	4
2	324662	Clamp - 304	4
3	36398	Pin - Lock .375 X 1.125 SS	4

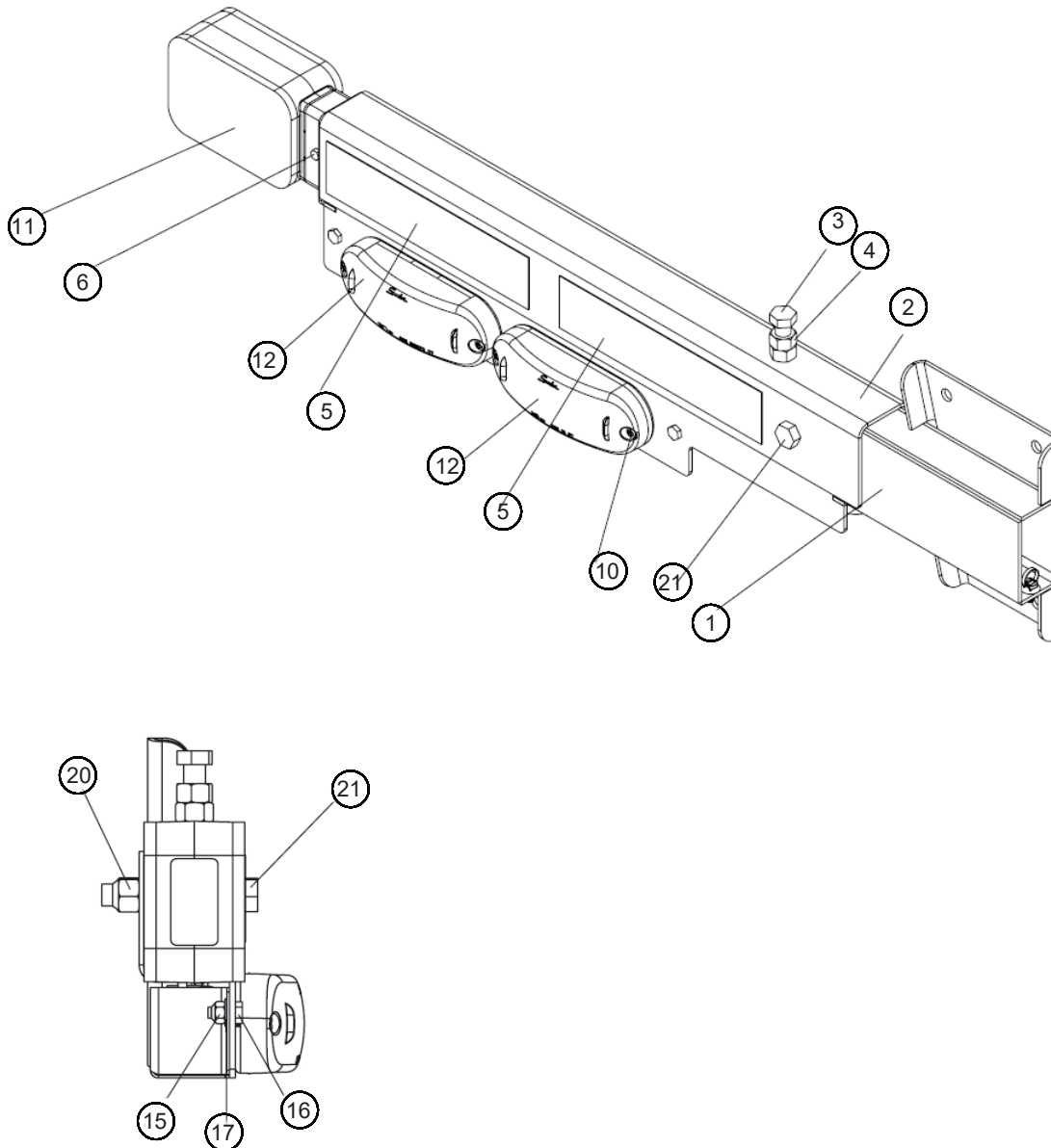
Light Group- Assy Tail Light RH



Light Group- Assy Tail Light RH

Key	Part No.	Description	Qty
1	325045	Mount - Wldmt Tail Light RH	1
2	325215	Extension - Wldmt RH	1
3	313933	Light - Marker	1
4	323803	Tape - Red Reflective 2 X 9 Strip	1
5	306430	Tape - Orange Fluorescent 2" X 9" Strip	1
6	325213	Cover - Tail Light RH 304	1
7	36539	Capscrew - .5-13NC X 1.5 SS	1
8	36416	Nut - Hex .5-13NC SS	1
9	313932	Light - Turn	1
10	313931	Light- Stop Turn Tail	1
11	39016	Nut -Lock.5-13NC SS	1
12	313178	Capscrew - .5-13NC X 3.25 SS	1
13	324663	Harness - Tail Light	1
14	311806	Tie - Wire Fir Tree	3
15	313934	Capscrew - M5 X 12 SS	2
16	308227	Capscrew - .25-20NC X .625 SS	1
17	42034	Nut -Lock .25-20NC SS	1
18	36423	Washer - Flat .25 SS	1
19	99674	Tie - Wire	1
20	56355	Nut -Lock #10-24NC SS	4
21	314026	Screw - Panhead #10-24NC X 1.25 SS	4

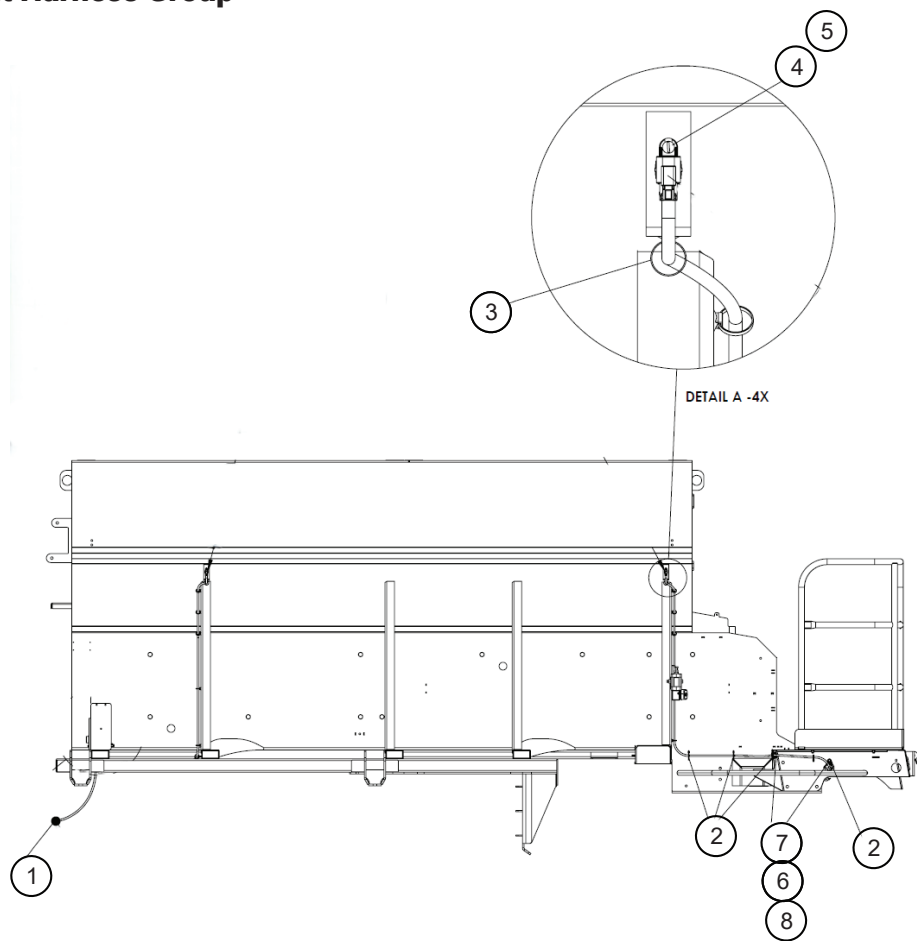
Light Group- Assy Tail Light LH



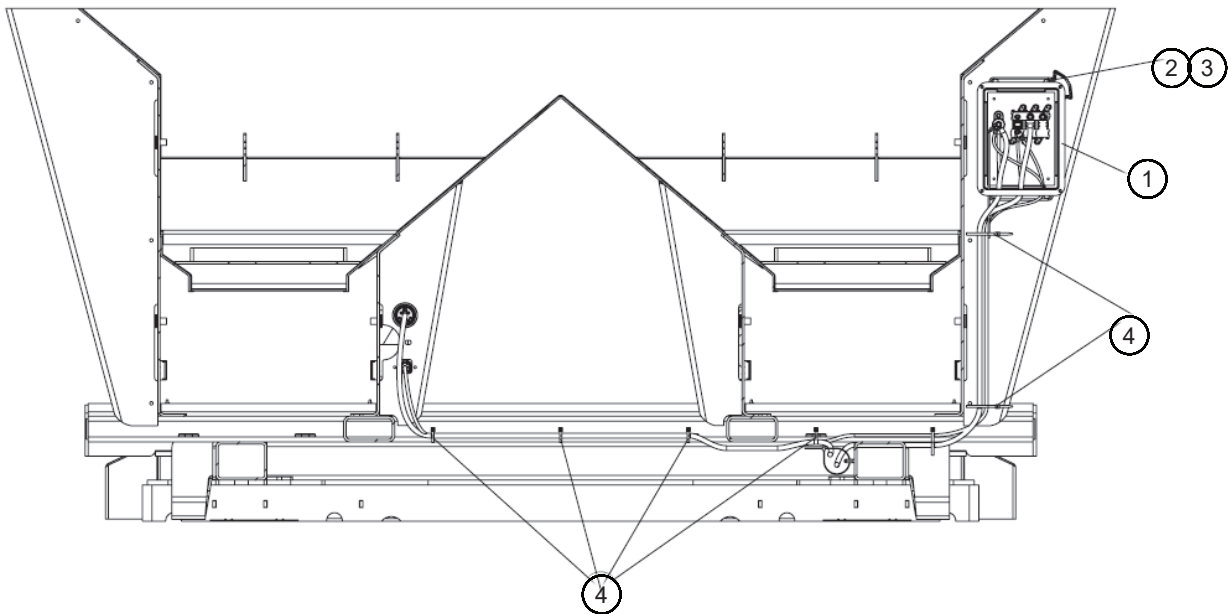
Light Group- Assy Tail Light LH

Key	Part No.	Description	Qty
1	325043	Mount - Wldmt Tail Light LH	1
2	325217	Extension - Wldmt LH	1
3	36539	Capscrew - .5-13NC X 1.5 SS	1
4	36416	Nut - Hex .5-13NC SS	1
5	306430	Tape - Orange Fluorescent 2" X 9" Strip	1
6	323803	Tape - Red Reflective 2 X 9 Strip	1
7	313934	Capscrew - M5 X 12 SS	2
8	313933	Light - Marker	1
9	56355	Nut -Lock #10-24NC SS	4
10	314026	Screw - Panhead #10-24NC X 1.25 SS	4
11	313931	Light- Stop Turn Tail	1
12	313932	Light - Turn	1
13	323513	Harness - Tail Light	1
14	99674	Tie - Wire Fir Tree	2
15	42034	Capscrew - M5 X 12 SS	2
16	308227	Capscrew - .25-20NC X .625 SS	2
17	36423	Nut -Lock .25-20NC SS	2
18	311806	Tie - Wire Fir Tree	3
19	325220	Cover - Tail Light LH 304	1
20	39016	Nut -Lock.5-13NC SS	1
21	313178	Capscrew - .5-13NC X 3.25 SS	1

Light Harness Group

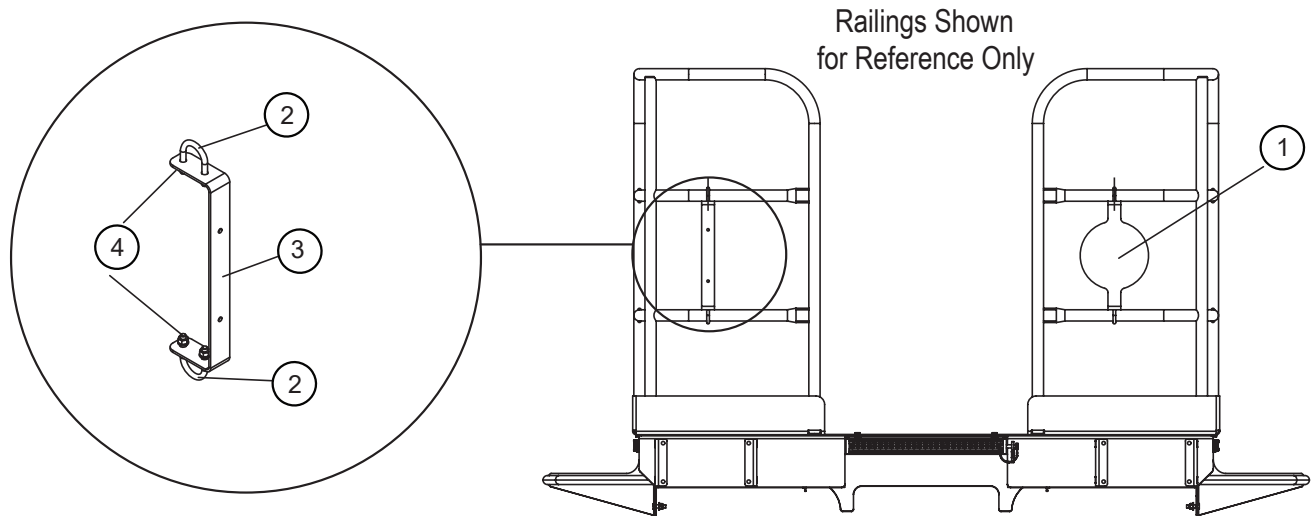


Key	NLM	Description	Qty
1	325145	Harness -Lighting	1
2	99674	Tie - Wire	50
3	311806	Tie - Wire Fir Tree	29
4	44452	Screw - Round Head #10-24NC X .5 SS	4
5	56355	Nut - Lock #10-24NC SS	4
6	312964	Clip - Harness Mounting	4
7	34580	Capscrew - .313-18NC X 1 SS	4
8	42221	Nut - Lock .313-18NC SS	4

PDC/ISO - Group


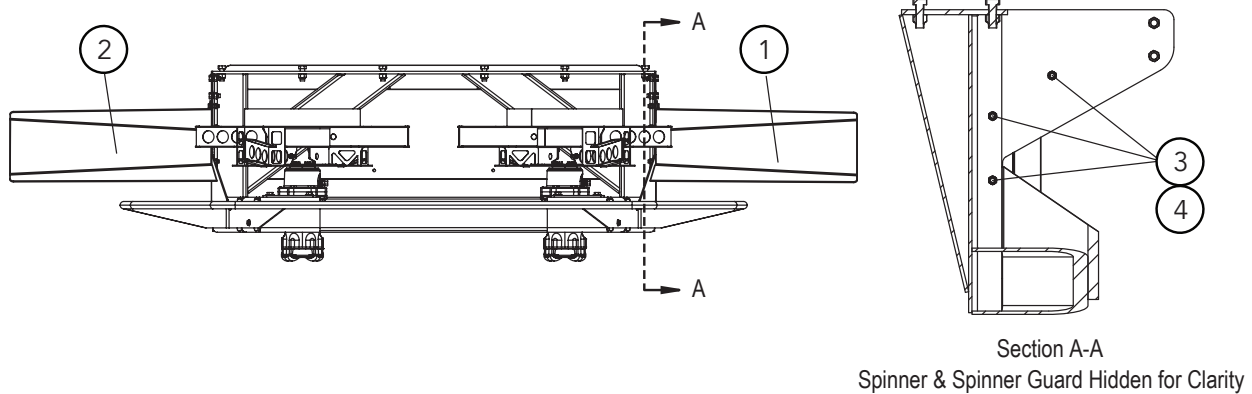
Key	Part No.	Description	Qty
1	323499	Harness- PDC/ISO	1
2	36394	Capscrew - .25-20NC X .875 SS	4
3	42034	Nut - Lock .25-20NC SS	4
4	99674	Tie - Wire	9

Sign – Slow-Moving Vehicle (SMV) & Speed Identification Symbol (SIS)



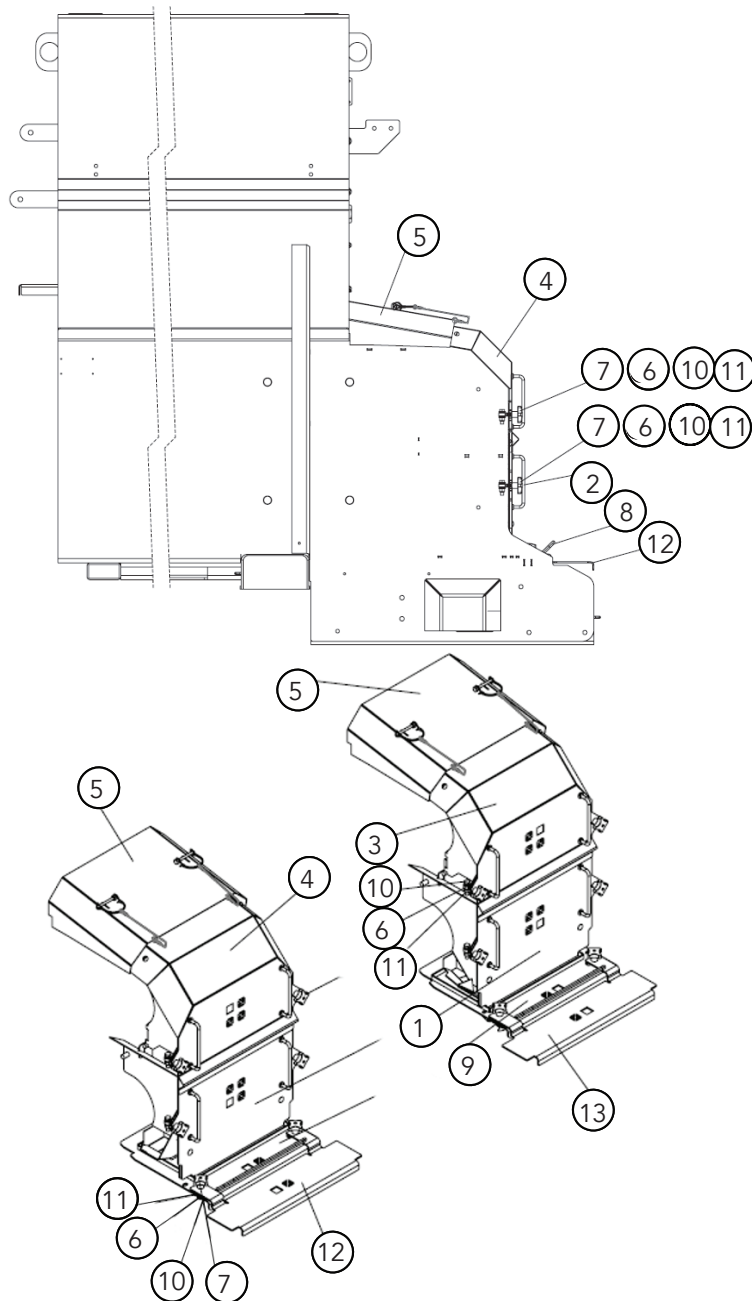
Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
1	321936	Mount - SIS Railing 304	1	3	321946	Mount - SMV Railing 304	1
2	321937	Bolt - .31-18 X 1.375ID 304	4	4	36419	Washer - .313 SS Lock	8

Deflectors



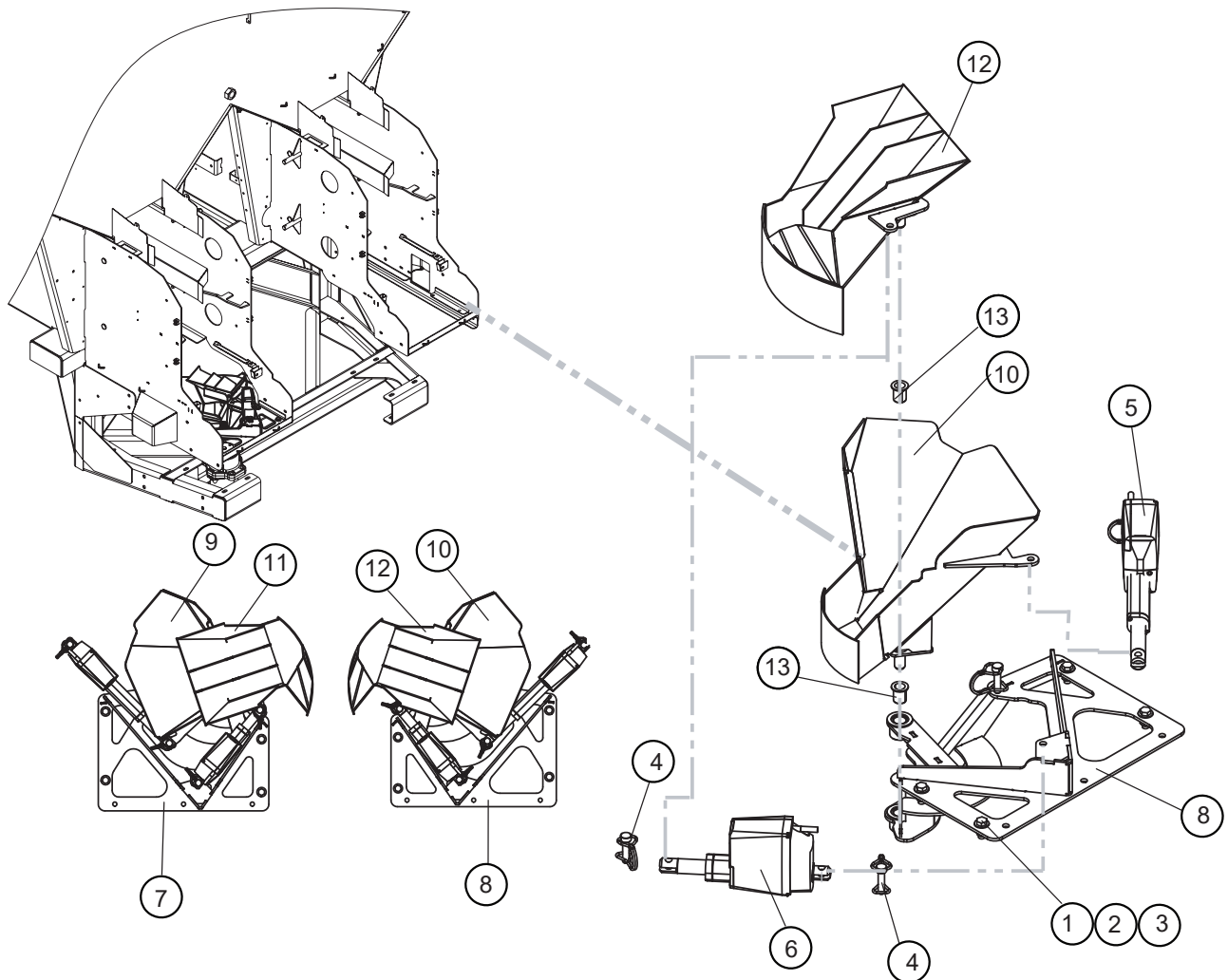
Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
1	321441	Deflector - Wldmt RH 304	1	3	36399	Capscrew - .375-16NC X 1.25 SS	6
2	321437	Deflector - Wldmt LH 304	1	4	72054	Nut - .375-16NC SS Lock	6

Waterfalls



Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
1	321561	Waterfall - Wldmt Bottom RH	1	7	321740	Knob - Tie Down 304	12
2	321563	Waterfall - Wldmt Bottom LH	1	8	321778	Chute - Wldmt Upper LH 304	1
3	321560	Waterfall - Wldmt Top RH 304	1	9	321779	Chute - Wldmt Upper RH 304	1
4	321562	Waterfall - Wldmt Top LH 304	1	10	34858	Capscrew - .375-16NC X 1.5 SS	12
5	321727	Cover - Assy Conv Waterfall	2	11	72054	Nut - .375-16NC SS Lock	12
6	321739	Eye Bolt - Tie Down 304	12	12	324368	Platform - Guard LH	1
				13	324369	Platform - Guard RH	1

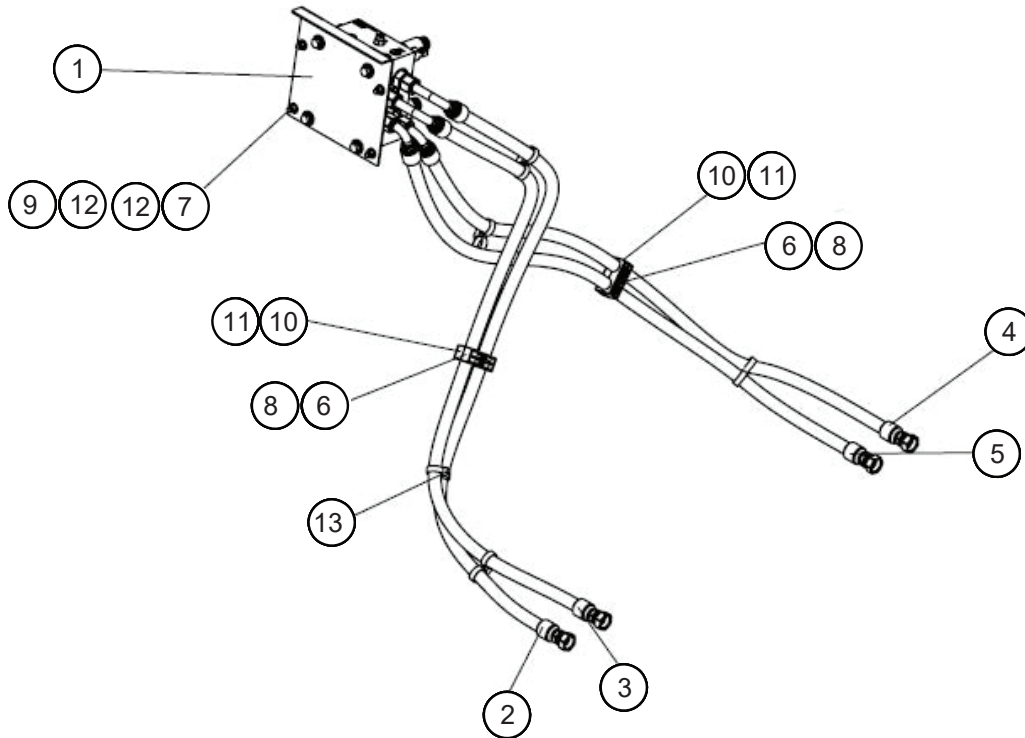
Chutes



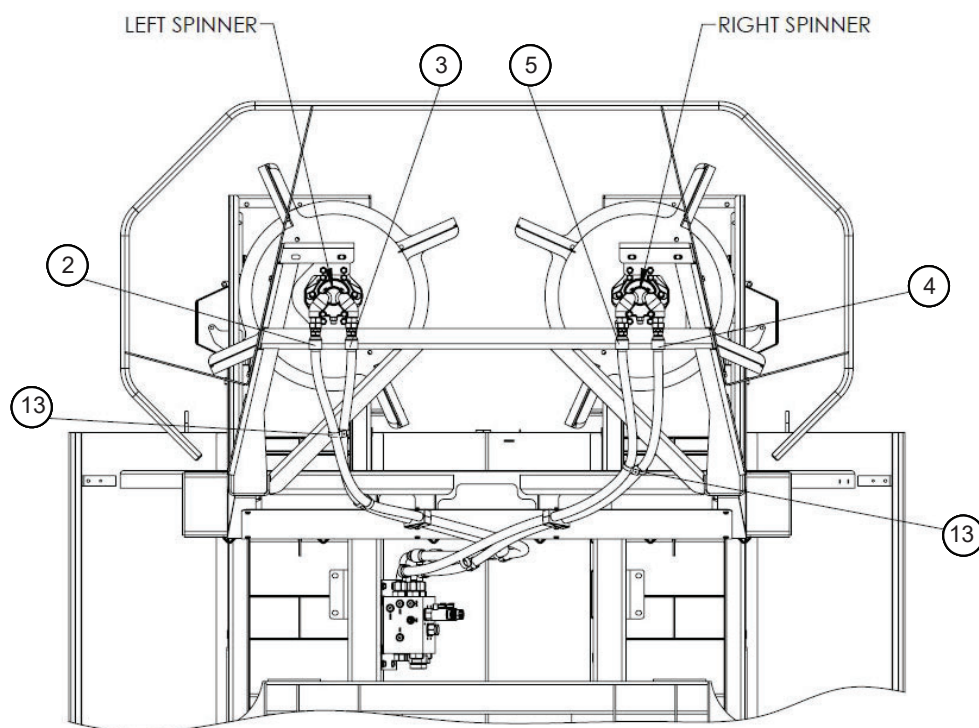
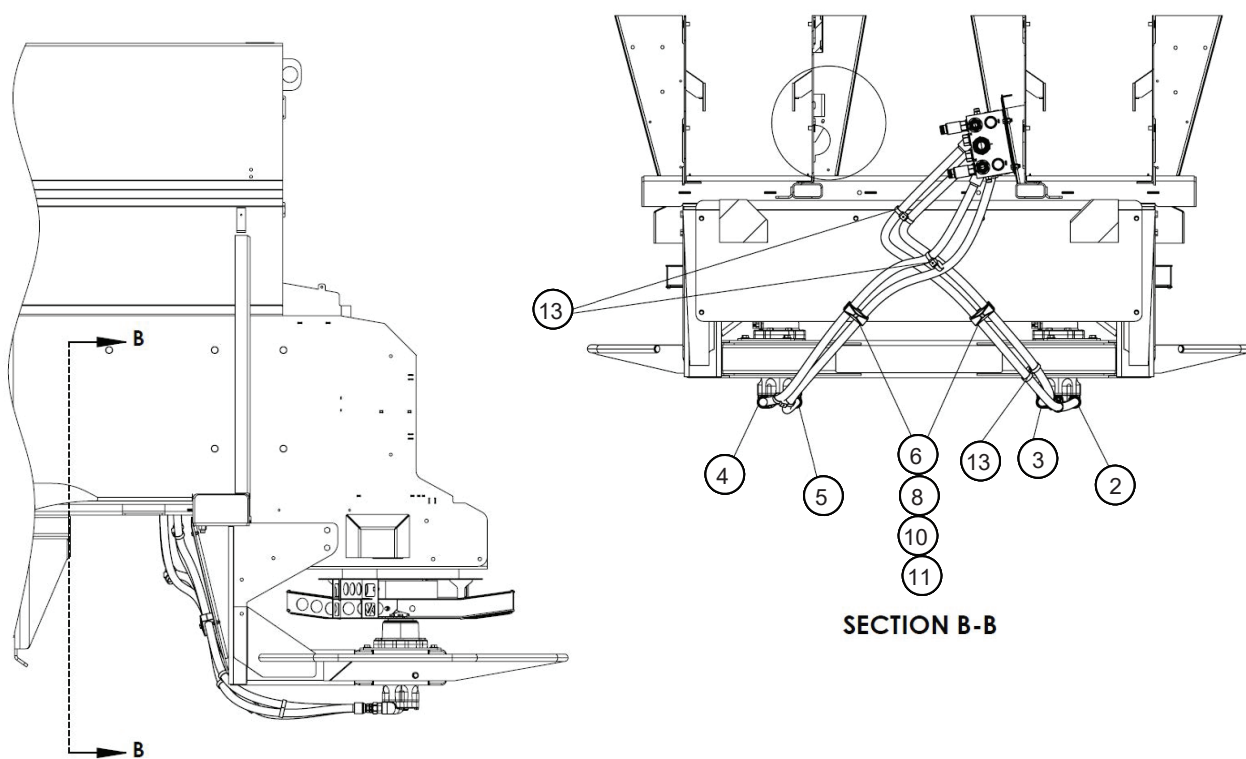
Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
1	36398	Capscrew - .375-16NC X 1 SS	8	7	322287	Chute - Wldmt Mount Lower LH	1
2	36425	Washer - .375 SS Flat	8	8	322286	Chute - Wldmt Mount Lower RH	1
3	72054	Nut - .375-16NC SS Lock	8	9	322447	Chute - Wldmt Inner LH 304	1
4	322464	Pin - Lock .375 X 1.125 SS	8	10	322446	Chute - Wldmt Inner RH 304	1
5	320881	Actuator - 150mm (with harness)	2	11	321667	Chute - Wldmt Outer LH 304	1
6	320882	Actuator - 75mm (with harness)	2	12	321676	Chute - Wldmt Outer RH 304	1
				13	321733	Bearing - Flange .625 X 1.0	4

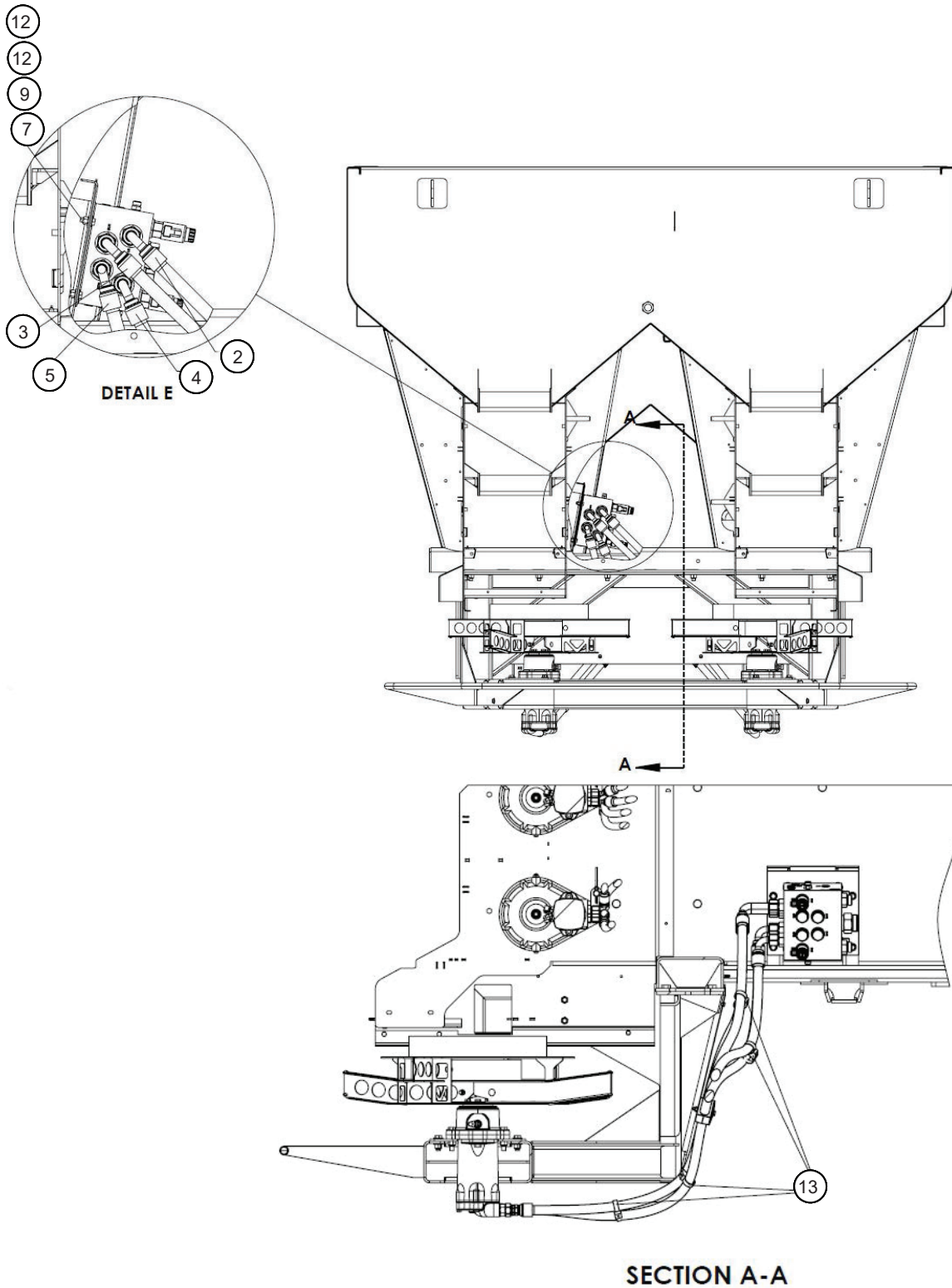
Hydraulics

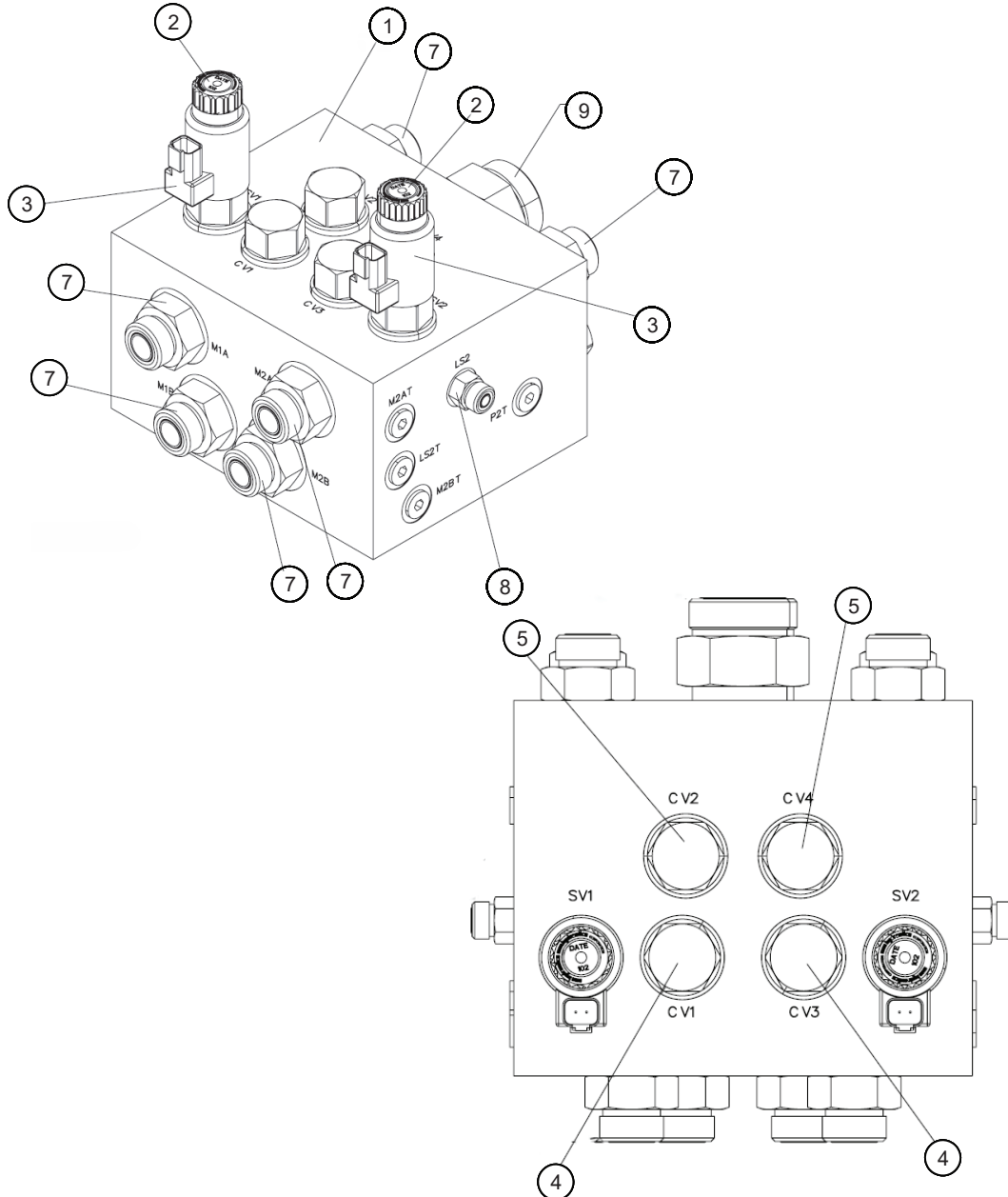
Group Spinners



Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
1	323645	Valve - Assy Mounting Spinner	1	7	36398	Capscrew - .375-16NC X 1 SS	4
2	321696	Hose - Assy .75 X 65 100R12	1	8	42221	Nut - Lock .313-18NC SS	2
3	321697	Hose - Assy .75 X 62 100R12	1	9	72054	Nut - Lock .375-16NC SS	4
4	321698	Hose - Assy .75 X 63 100R12	1	10	34858	Clamp - Tubing Twin 1.10"	2
5	321699	Hose - Assy .75 X 64.5 100R12	2	11	72054	Plate - Cover Hose Clamp 304	2
6	71830	Capscrew - .313-18NC X 2.5 SS	4	12	313790	Washer - Flat .375 SS	8
				13	310648	Tie - Dual Clamp	5

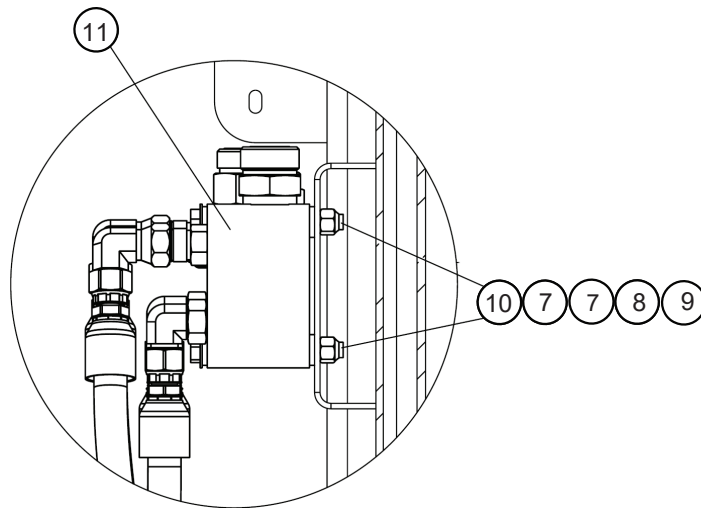
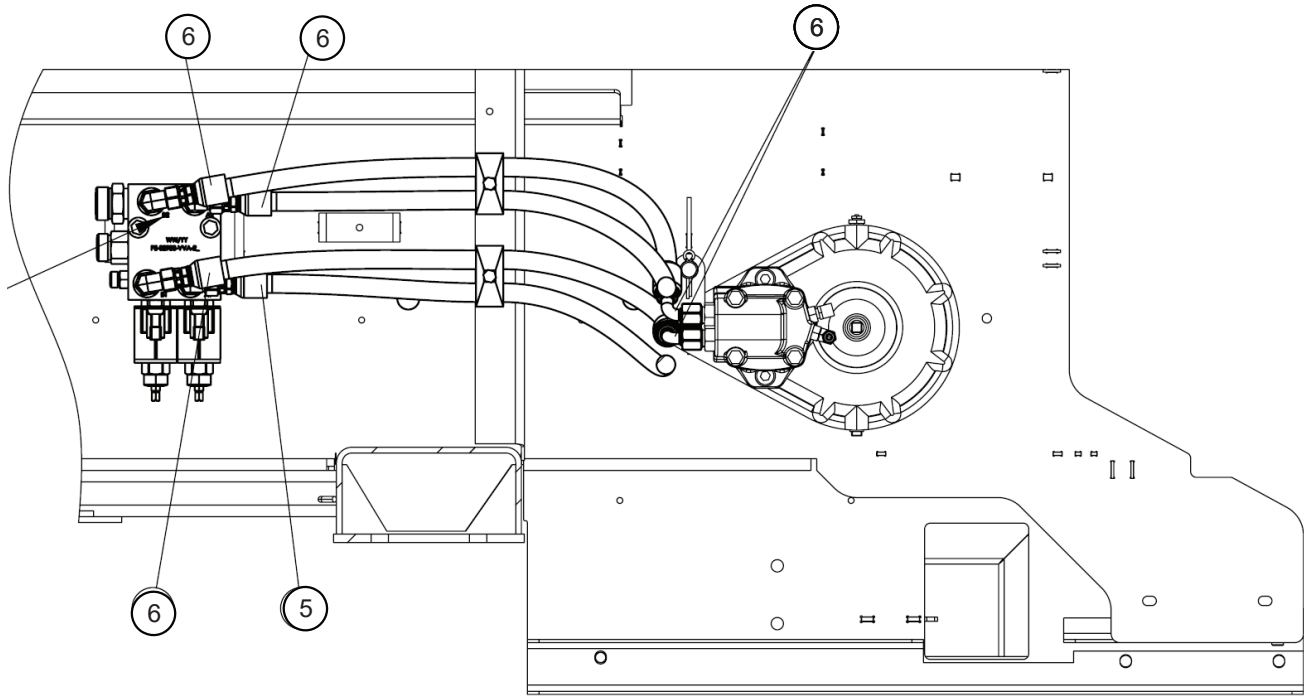


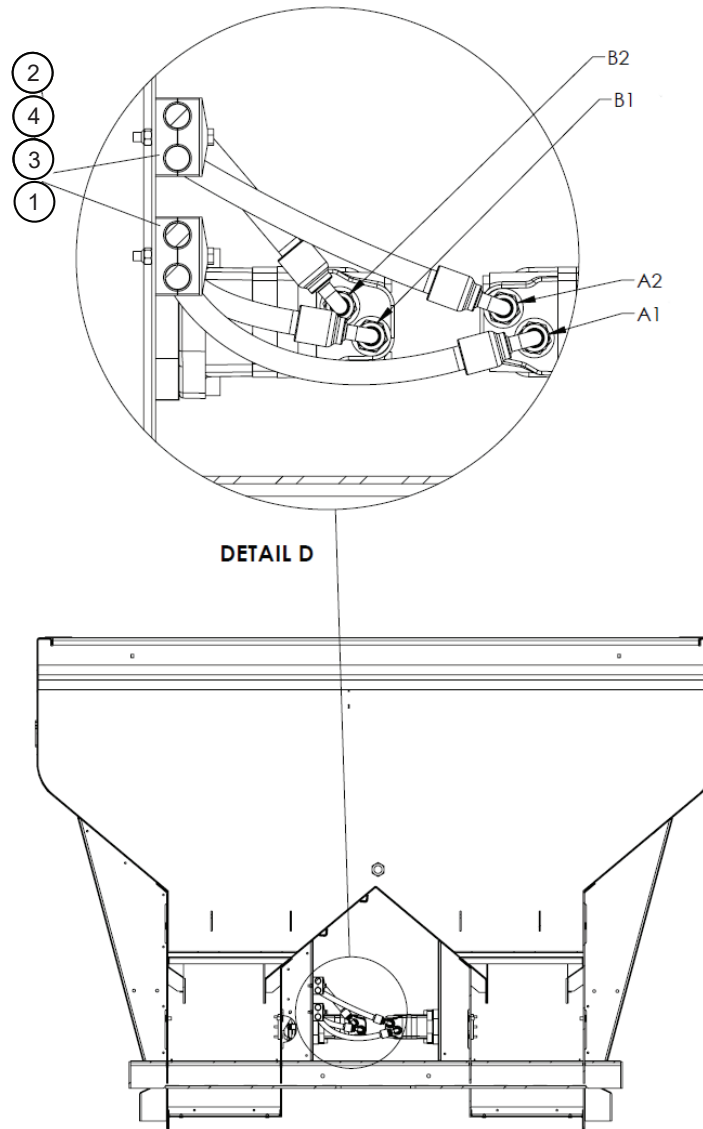




Key	Part No.	Description	Qty
1	N/A	Valve- Assy Spinner Control	1
2	322372	Valve – Flow control 60GPM	2
3	317382	Coil - 12 VDC Deutsch	2
4	322368	Valve - Check 50PSI	2
5	322369	Valve - Check 100PSI	2
6	322371	Valve – Normally open modulating	2
7	313184	Fitting - 12-16 520120	6
8	313455	Fitting - 6-6 520120	2
9	N/A	Fitting - 24-20 520120	1

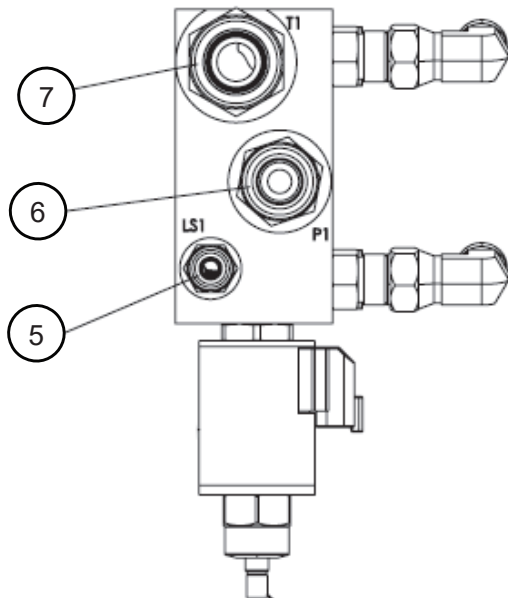
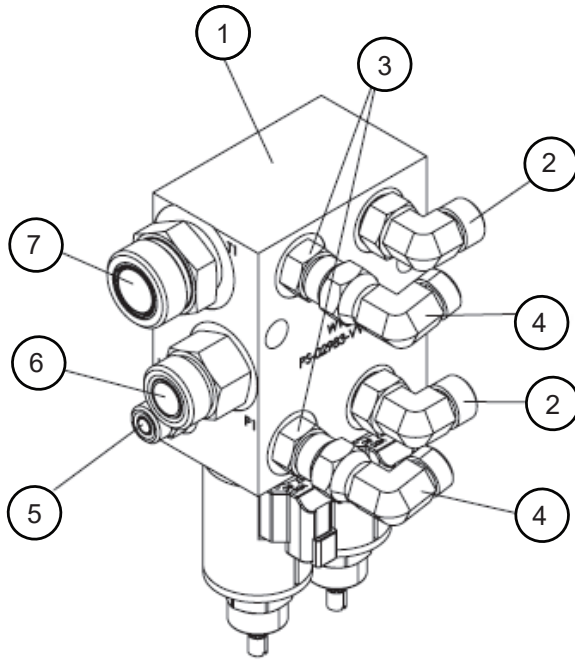
Conveyor Hydraulics





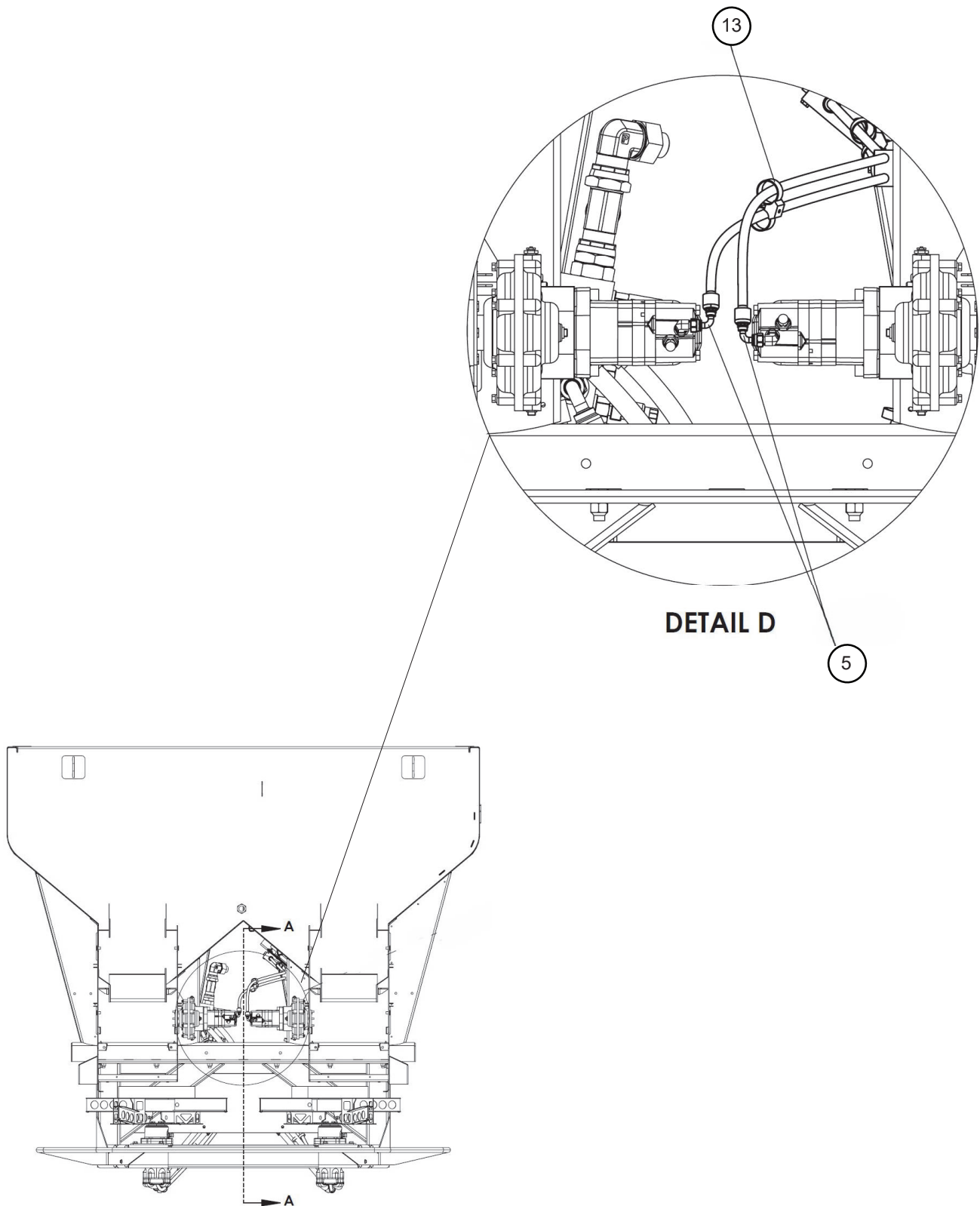
Key	Part No.	Description	Qty
1	310649	Clamp - Tubing Twin .84"	2
2	42221	Nut- Lock .313-18NC SS	2
3	310688	Plate- Cover Hose Clamp	2
4	71830	Capscrew -.313-18NC X 2.5 SS	2
5	324016	Hose - Assy .5 x 29.5 100R19	1
6	322899	Hose - Assy .5 x 27.5 100R19	3
7	302099	Washer - Step .38ID X .53OD X .13	4
8	36425	Washer - Flat .375	2
9	72054	Nut - Lock .375-16NC SS	2
10	96879	Capscrew - .375-16NC X 3.5 SS	2
11	323973	Valve - Assy Conveyor Control	1
A1-B2		Labels on Hydraulic Valve Ports	4

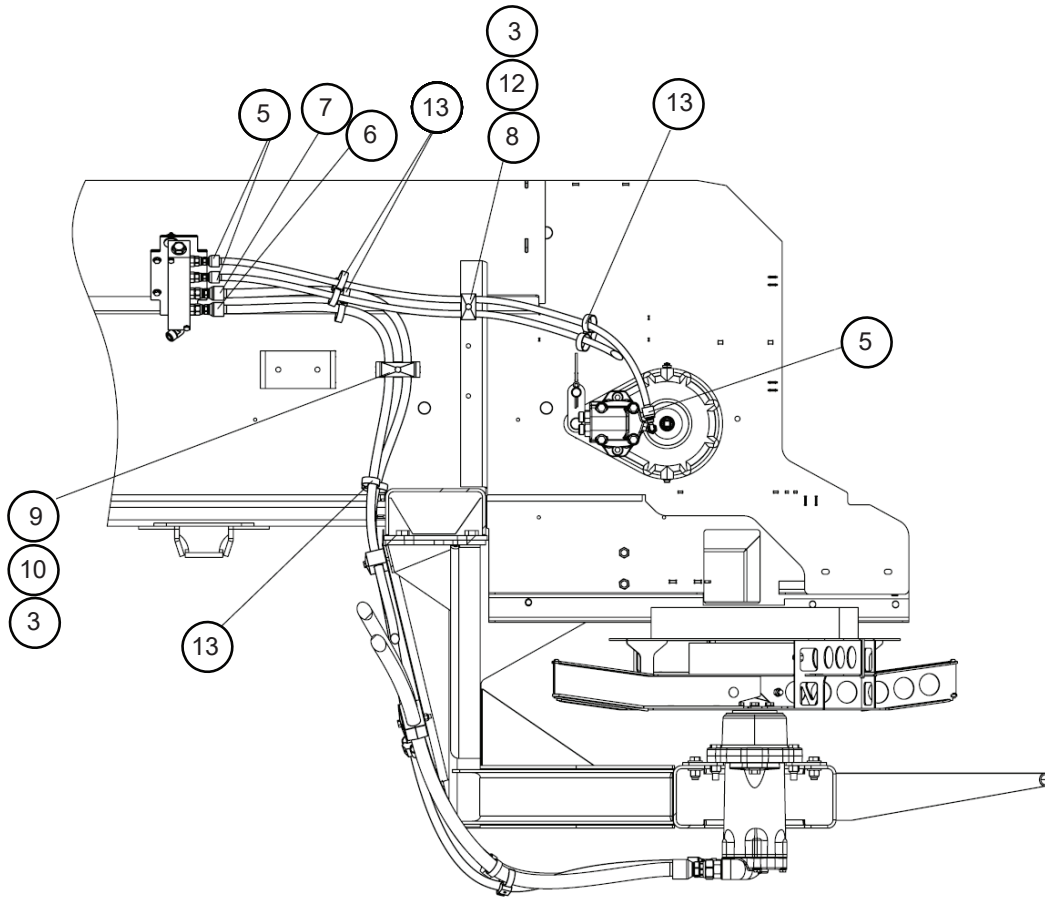
Conveyor Control Valve Assembly



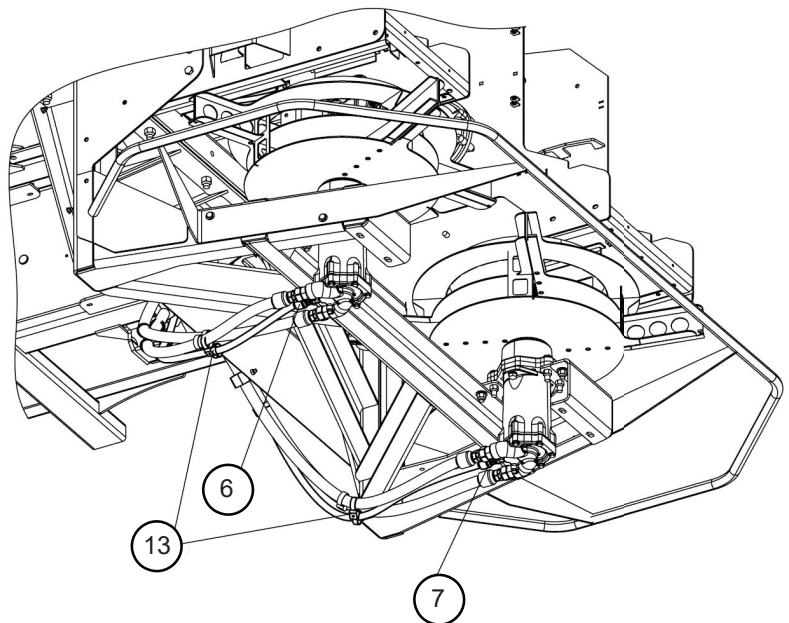
Key	Part No.	Description	Qty
	323973	Conveyor Control Valve	
1	323841	Valve - Assy Conveyor Control includes items 8-10	1
2	313451	Fitting - 8-8 520220	2
3	313454	Fitting - 8-8 520120	2
4	304306	Fitting - 8-8 520221	2
5	313455	Fitting - 6-6 520120	1
6	315940	Fitting - 12-8 520120	1
7	315673	Fitting - 16-12 520120	1
8	320885	Valve - Flow Control 8 GPM W/ Coil	2
9	315866	Coil - 12VDC Deutsch DT02-2P	1
10	324575	Seal - Kit for PV70 Valve	1

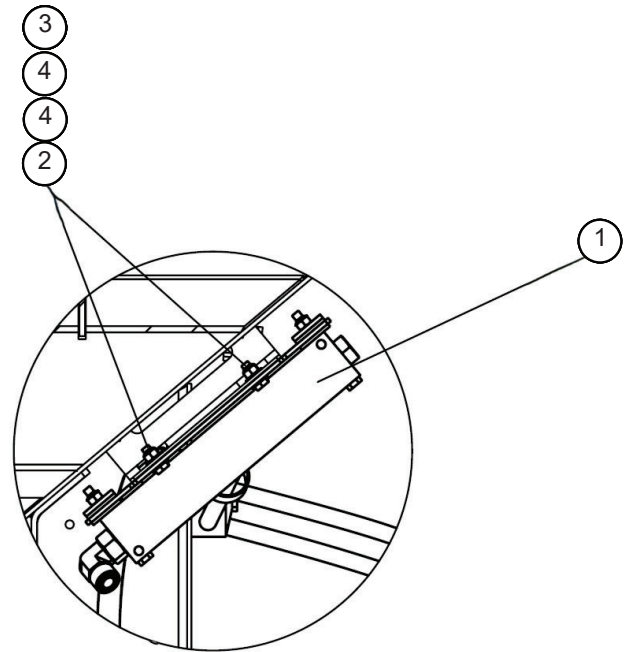
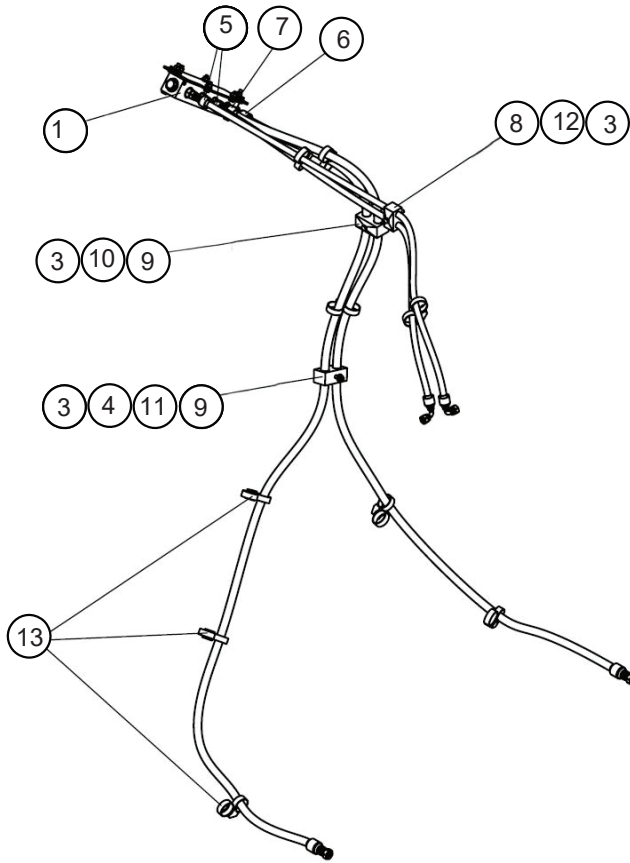
Case Drain Group





SECTION A-A

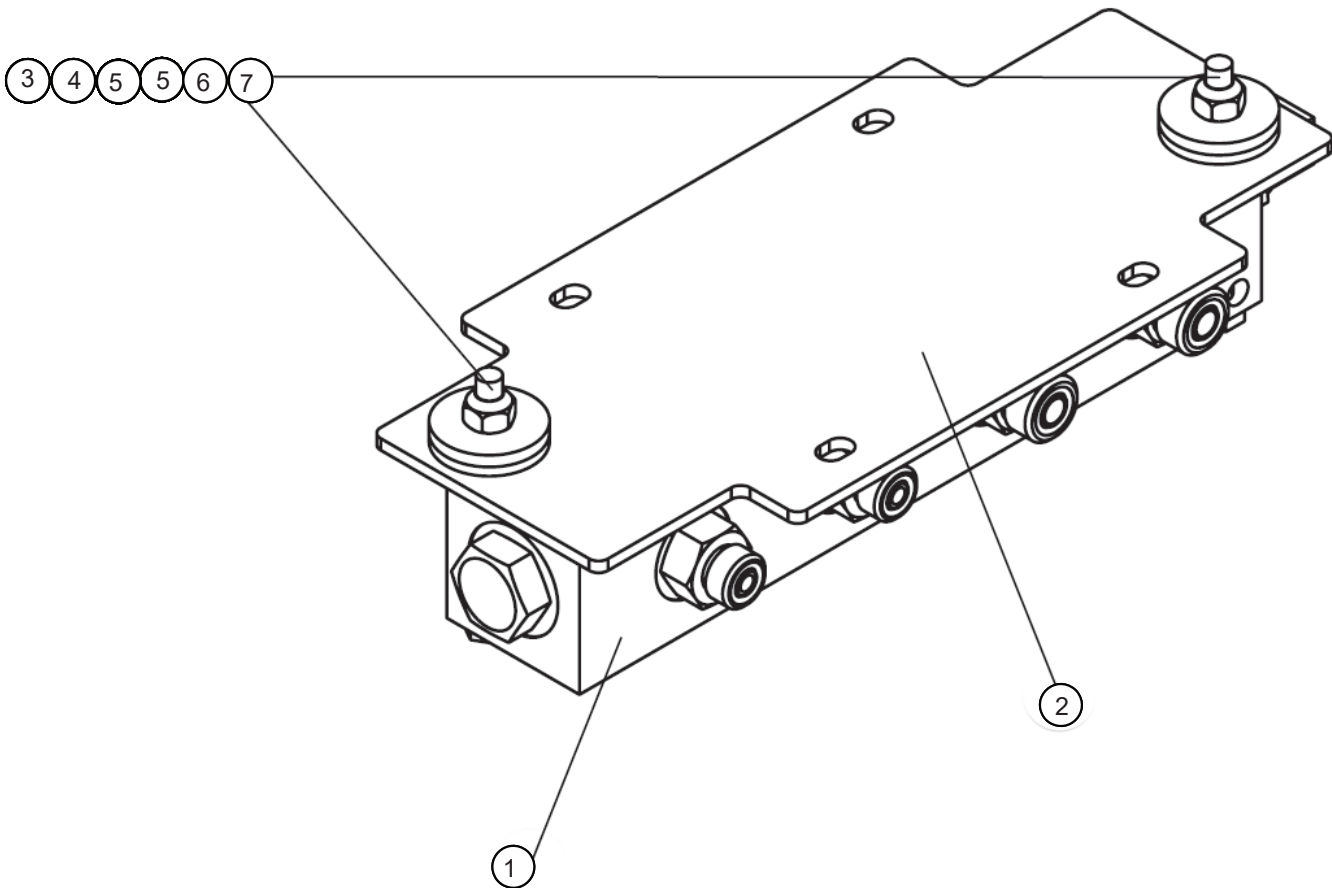




Key	Part No.	Description	Qty
-	323704	Case Drain Mounting Assembly	
1	323705	Valve - Assy Mounting Case Drain	1
2	36393	Capscrew - .25-20NC X .75 SS	4
3	42034	Nut - Lock .25-20NC SS	7
4	36423	Washer - Flat .25 SS	9
5	322895	Hose - Assy .25 X 46 100R19	2

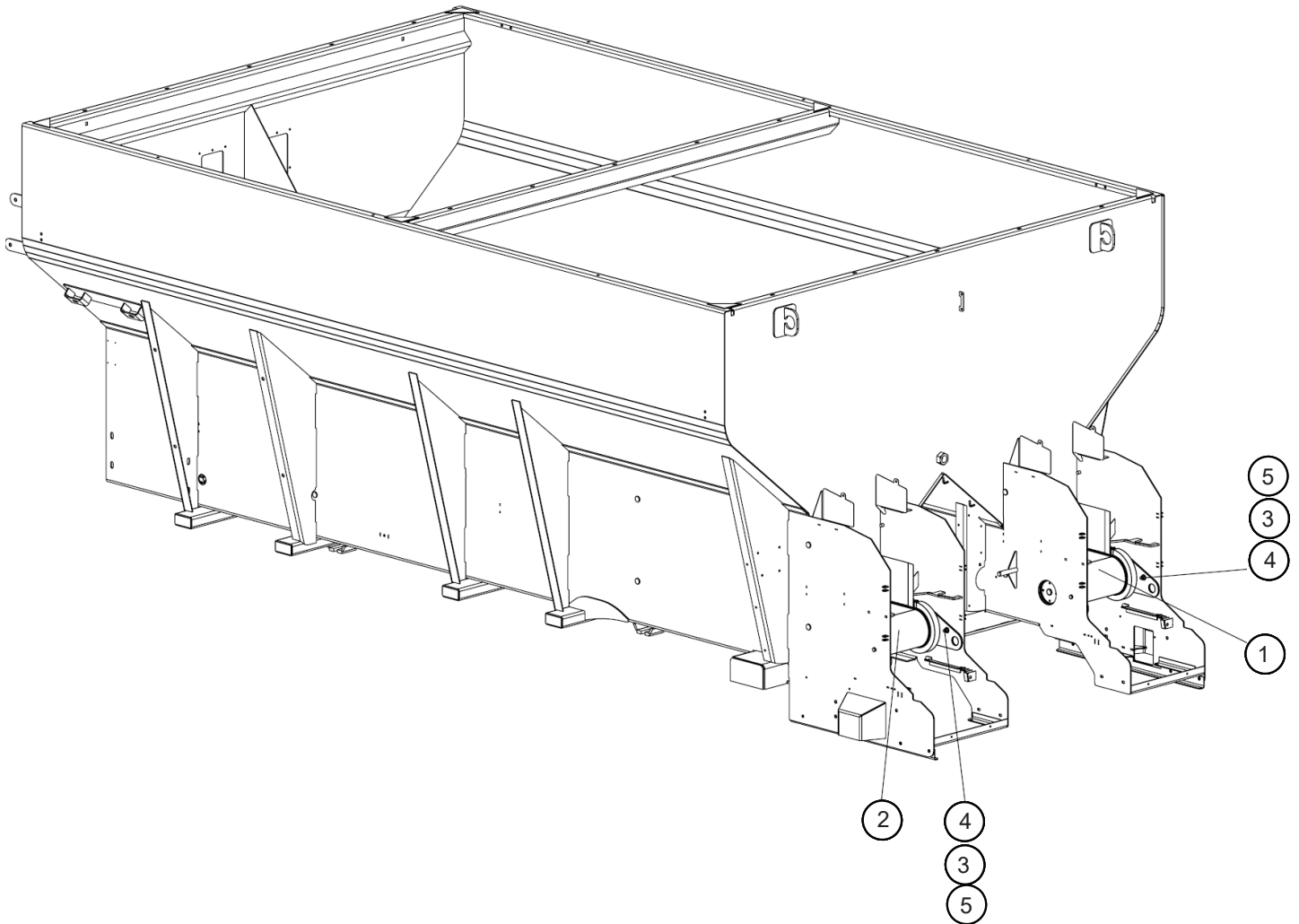
Key	Part No.	Description	Qty
6	321722	Hose - Assy .38 X 89 100R19	1
7	321723	Hose - Assy .38 X 82 100R19	1
8	300031	Clamp - Tubing Twin.5"	1
9	75036	Clamp - Tubing Twin .75"	2
10	34865	Capscrew - .25-20NC X 2.25 SS	1
11	34501	Capscrew - .25-20NC X 2.5 SS	1
12	308112	Capscrew - .25-20NC X 2 SS	1
13	310648	Tie - Dual Clamp	9

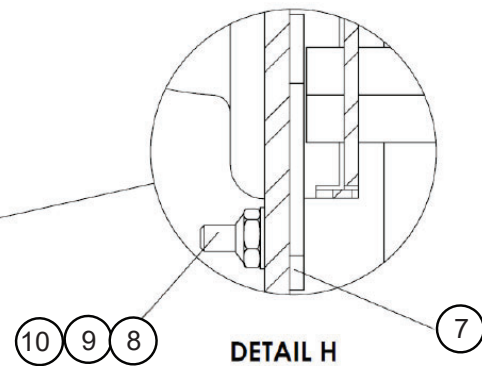
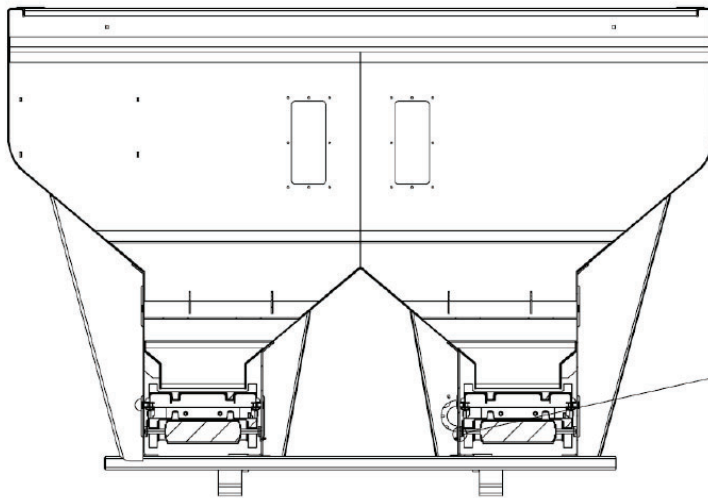
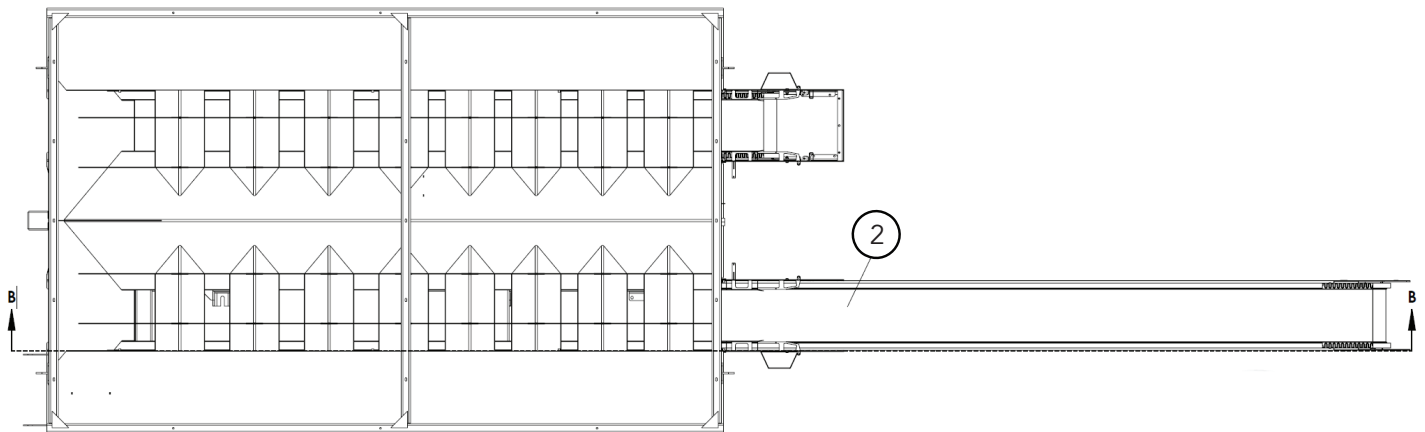
Case Drain Mounting Assembly



Key	Part No.	Description	Qty
	323705	Case Drain Mounting Assy	--
1	323706	Valve - Assy Case Drain	1
2	323707	Bracket - Valve Mount	1
3	34866	Capscrew - .25-20NC X 2.75 SS	2
4	42034	Nut - Lock .25-20NC SS	2
5	321715	Washer - Step .638 ID X .875 OD	4
6	321716	Washer - .313 ID X 1.125 OD X 10	2
7	321717	Spacer - 304	2

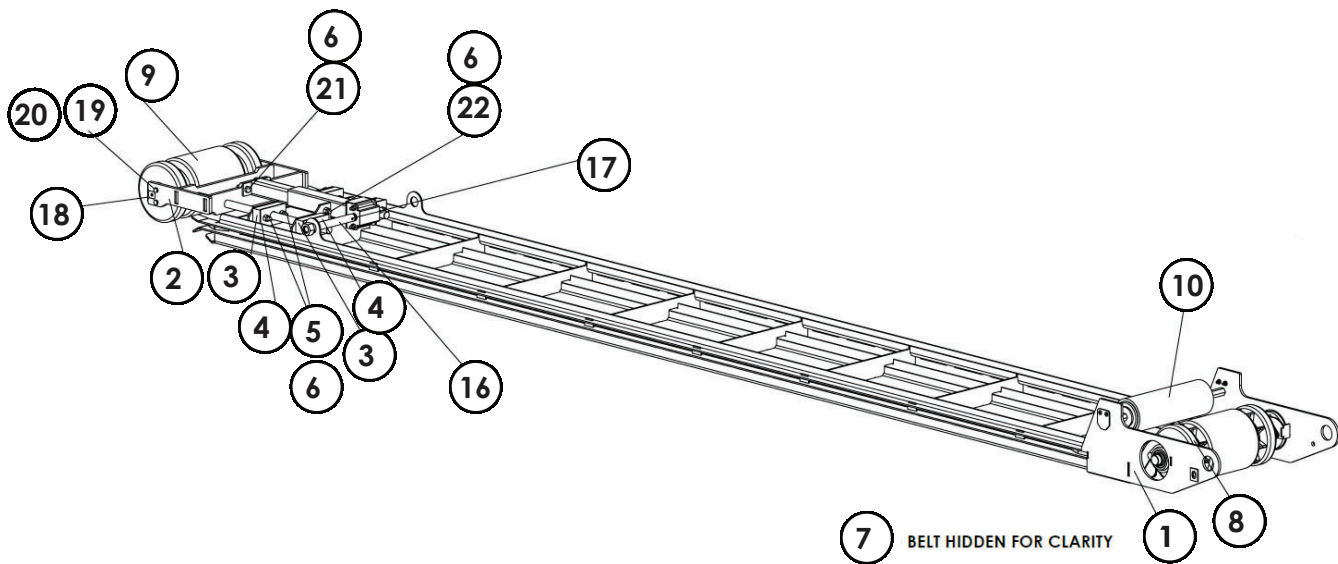
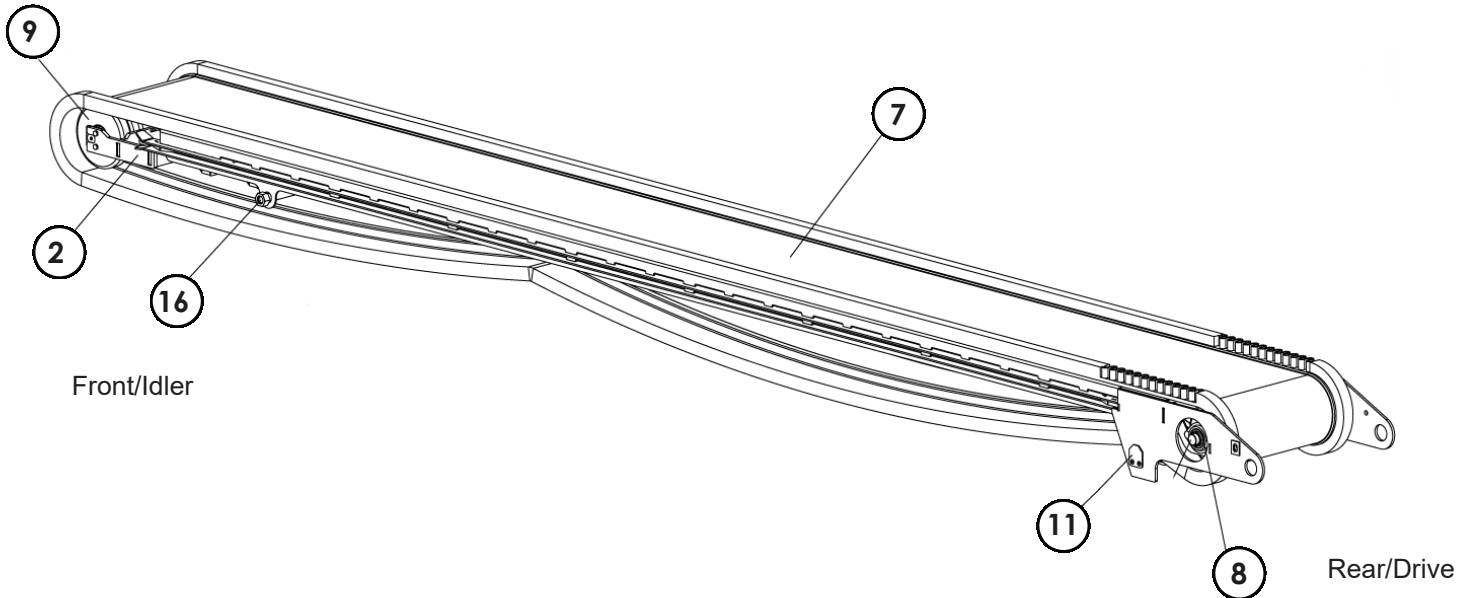
**14' Conveyor Group
Main**

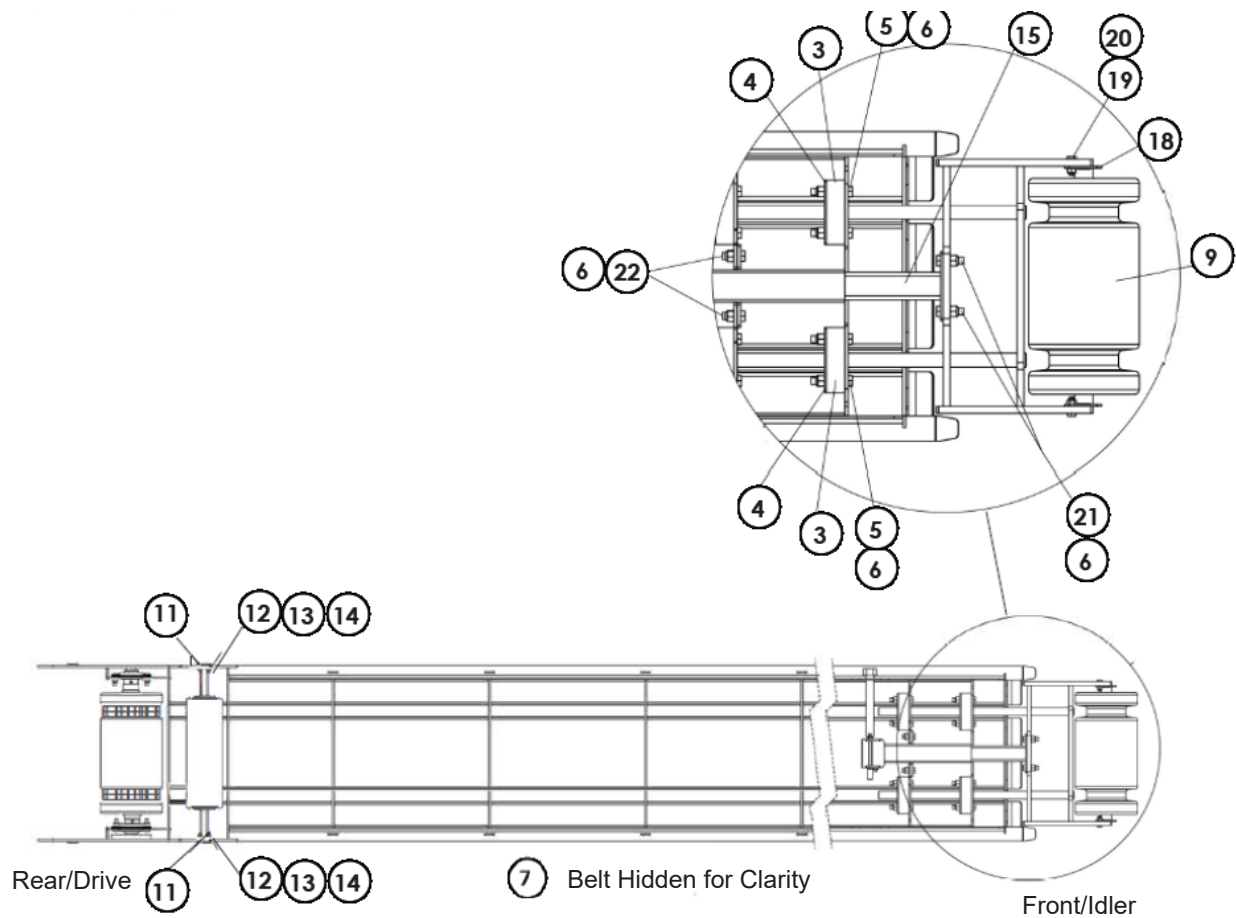



SECTION G-G

Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
	325333	Conveyor - Group 12"		6	322463	Pulley - Snubber	2
1	325014	Cartridge - Assy RH Conv 12	1	7	323265	Tab - Cover 304	2
2	325013	Cartridge - Assy LH Conv 12'	1	8	323271	Flat Head - 10-24 .75 SS	4
3	36425	Washer - .375 SS Flat	4	9	171052	Washer - Flat #10 SS	4
4	36399	Capscrew - .375-16NC X 1.25 SS	4	10	56355	Nut - Lock #10-24NC SS	4
5	72054	Nut - .375-16NC SS Lock	4				

Conveyor Cartridges

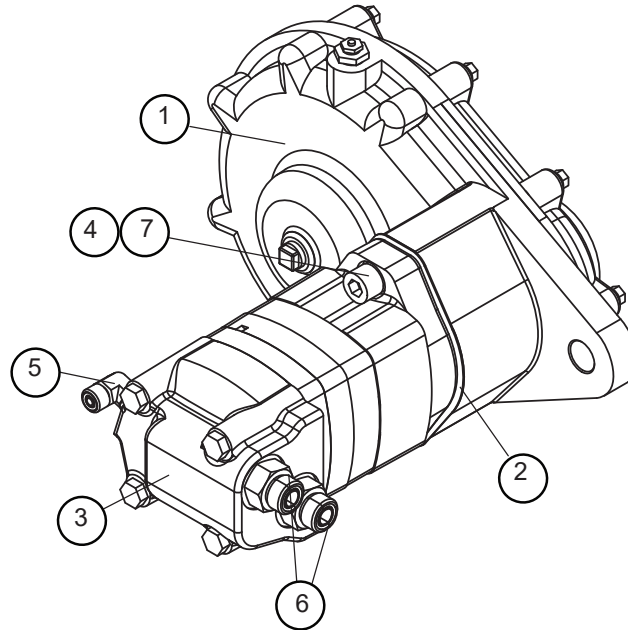




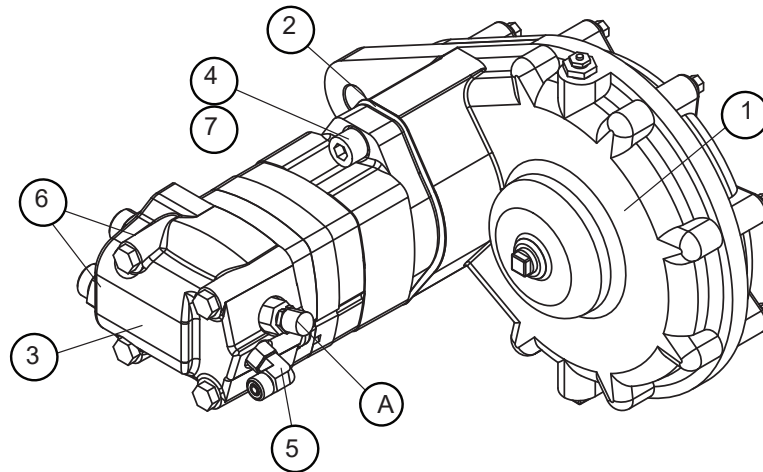
Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
	325014	Complete Conv Cartridge - RH 12'					
	325013	Complete Conv Cartridge - LH 12'	1	12	34859	Capscrew - .375-16NC X 2 SS	4
1	324979	Cartridge - Wldmt Conv 12' 304	1	13	72054	Nut - .375-16NC SS Lock	4
2	324990	Cartridge - Wldmt Takeup 304	1	14	56408	Washer - .75 SS Flat	2
3	324943	Block - Guide UHMW	4	15	321251	Belt - Conv 12' # 6 5.63	1
4	325006	Cover - Idler Bushing	4	16	322832	Shaft - Assy Drive (See next page.)	1
5	34859	Capscrew - .375-16NC X 2.0 SS	8	17	322452	Pulley - Assy Tail (See page 37.)	1
6	72054	Nut - Lock .375-16NC SS	12	18	322463	Pulley - Snubber	1
7	321251	Belt - Conv 12' # 6 5.63	1	19	323265	Tab - Cover 304	2
8	88398	Pin - Clevis .5 X 1 SS	2	20	323271	Flat Head - 10-24 .75 SS	4
9	36427	Pin - Cotter .125 X 1 SS	2	21	171052	Washer - #10 SS Flat	4
10	321663	Nut - Castle .75-10UNC 304	1	22	56355	Nut - #10-24NC Zn Lock	4
11	324330	Pin - Roll .156 X 1 SS	1				

Conveyor Gear Cases

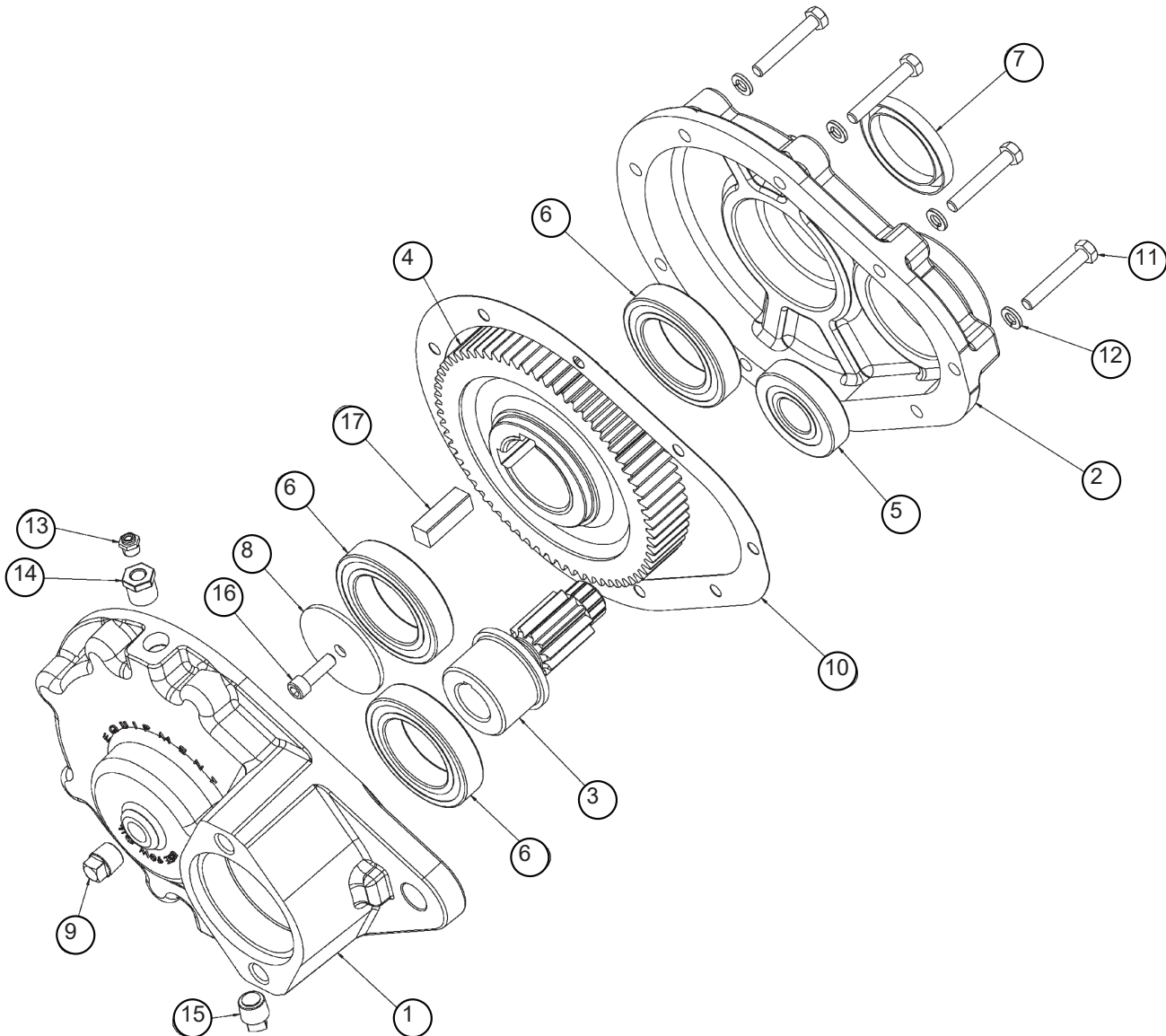
Gear Case Assy - LH



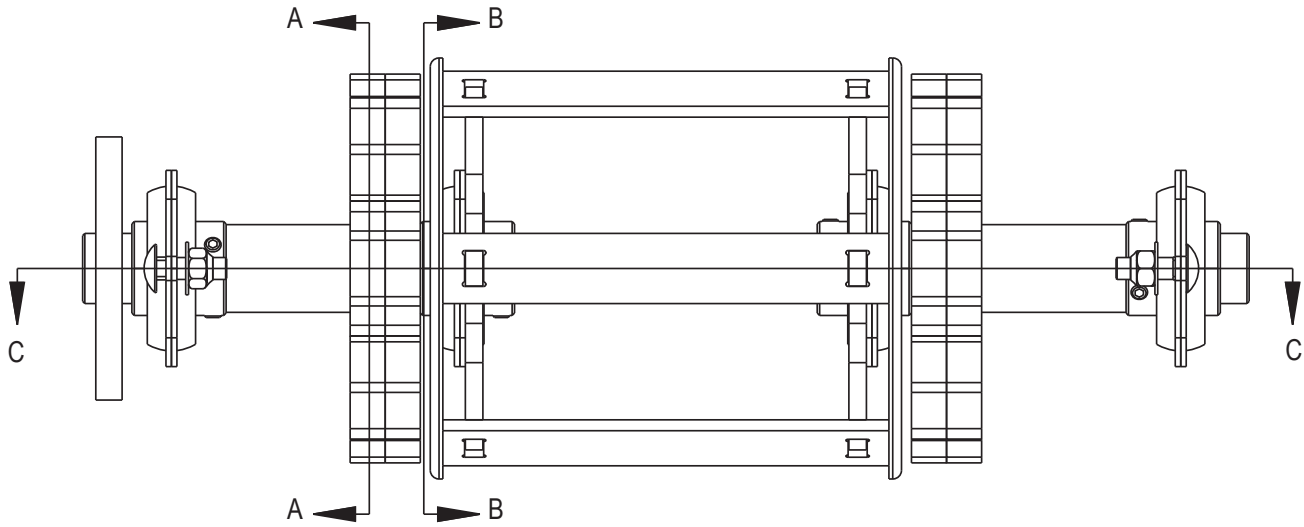
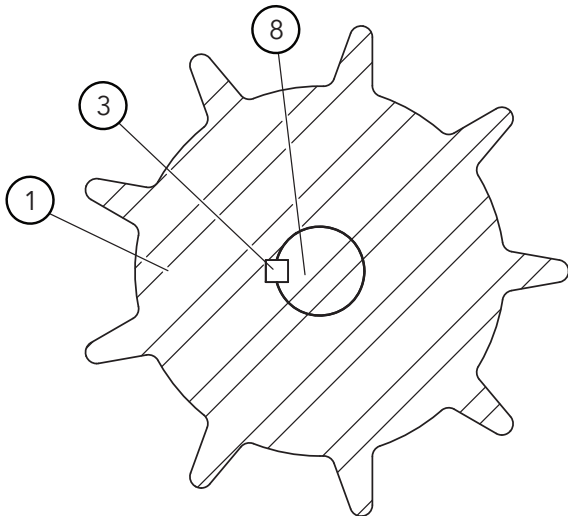
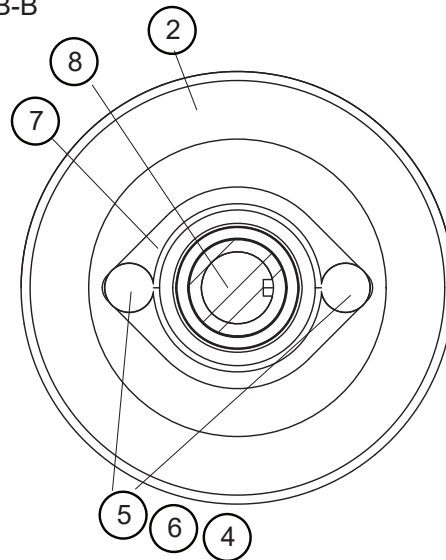
Gear Case Assy - RH



Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
	322886	Gearcase - Assy 6:1 4.9CID LH		4	30227	Washer - Lock Socket HD .5"	2
	322887	Gearcase - Assy 6:1 4.9CID RH		5	312654	Fitting - 4-4 520220	1
1	36671	Gear Case - 6:1 (See next page for service parts.)	1	6	304309	Fitting - 8-10 520120	2
2	74524	Gasket - SAE 101-2 B	1	7	305098	Screw - Sockethead .5-13NC X 1.75	2
3	320877	Motor - Hyd 4.9CID	1				
A	89709-AA	Sensor	1				
B	77938	*Seal Kit *Not Shown*	1				

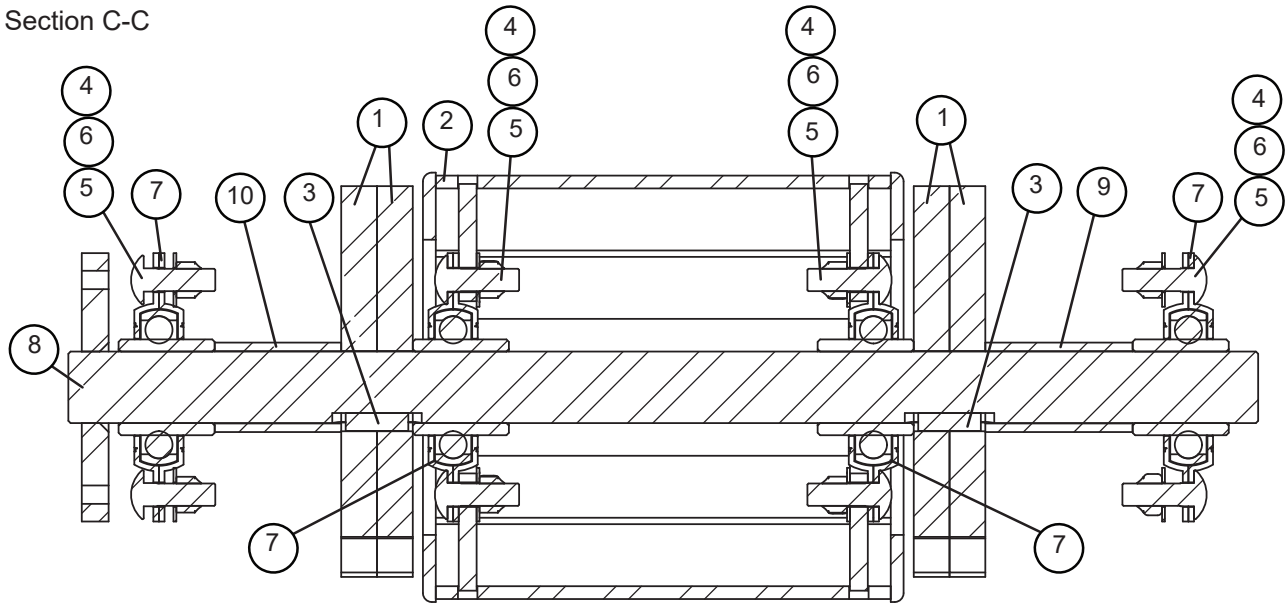
Gear Case Service Parts


Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
	36671	Gear Case Service Assy	1	10	304563	Gasket - Housing Single Pinion	1
1	304559	Housing - Outboard Sngl Pinion	1	11	20040	Capscrew - .313-18NC X 2 Gr5	9
2	304560	Housing - Inboard Sngl Pinion	1	12	20711	Washer - .313 Zn Lock	9
3	304561	Gear - Pinion 11t	1	13	2564	Tube - Breather	1
4	304562	Gear - Driven 67t	1	14	27465	Bushing - 3/8 X 1/8	1
5	37007	Bearing - Ball	1	15	21490	Plug - Magnetic Sq Head .38NPT	1
6	37008	Bearing - Ball	3	16	38980	Screw - Allen Hd .31-18NC X 1	1
7	37006	Seal - Oil	1	17	37010	Key - SQ .5 X 1.5	1
8	38979	Washer - Retainer	1				
9	6031	Plug - 3/1 X 1/8 NPT	1				

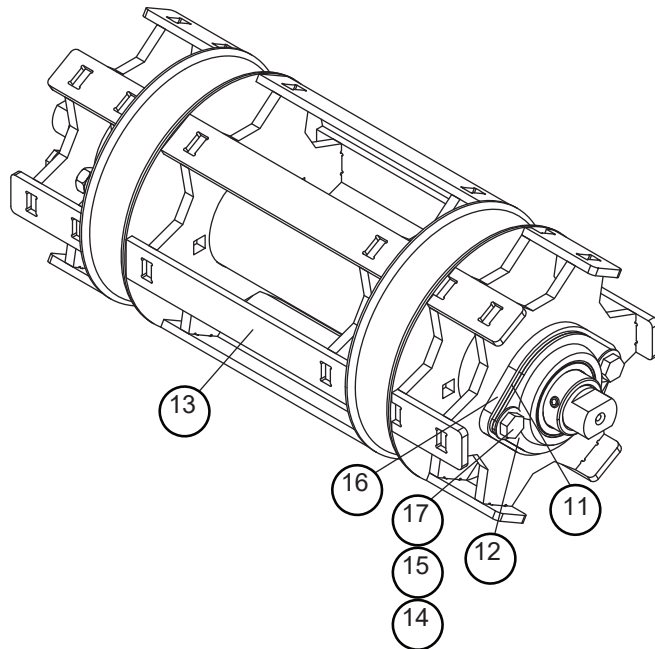
Drive Shaft

Section A-A

Section B-B


Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
	322832	Shaft - Assy Drive	1	6	36424	Washer - .313 SS Flat	8
1	321205	Sprocket - 304	4	7	321732	Bearing - 304	4
2	322828	Roller - Wldmt 304	1	8	322833	Shaft - Wldmt Drive 304	1
3	321724	Key - Sq .25 X .875	2	9	322837	Spacer - Tube 304	1
4	42221	Nut - .313-18NC SS Lock	8	10	322838	Spacer - Tube 304	1
5	42639	Bolt - .313-18NC X 1 SS	8				

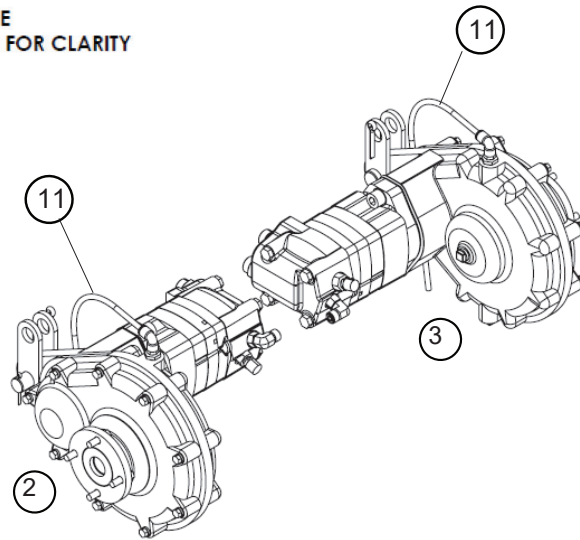
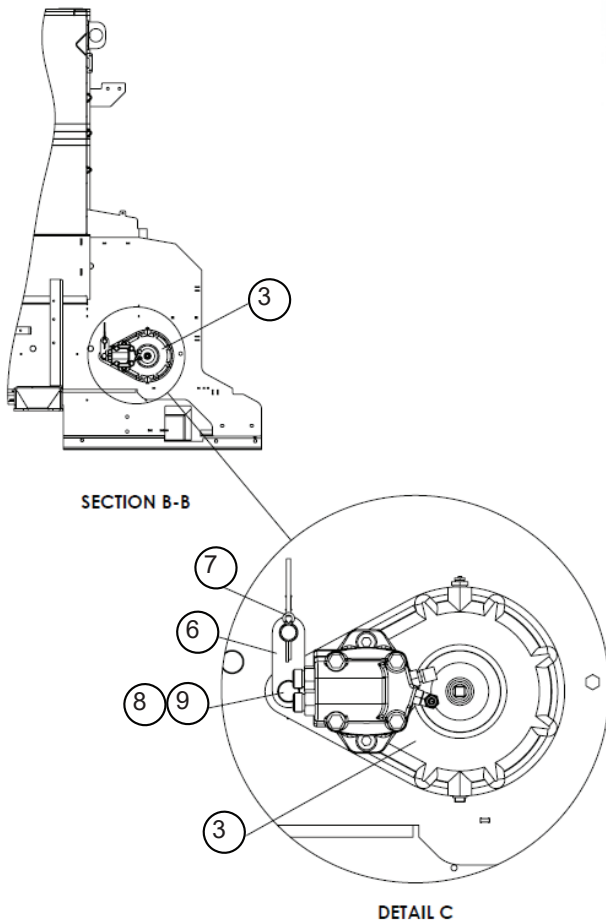
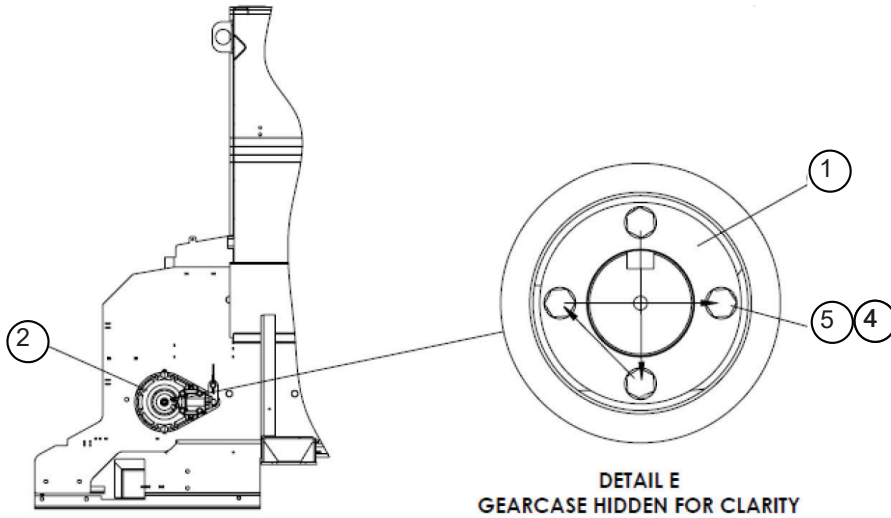
Section C-C



Tail Pulley



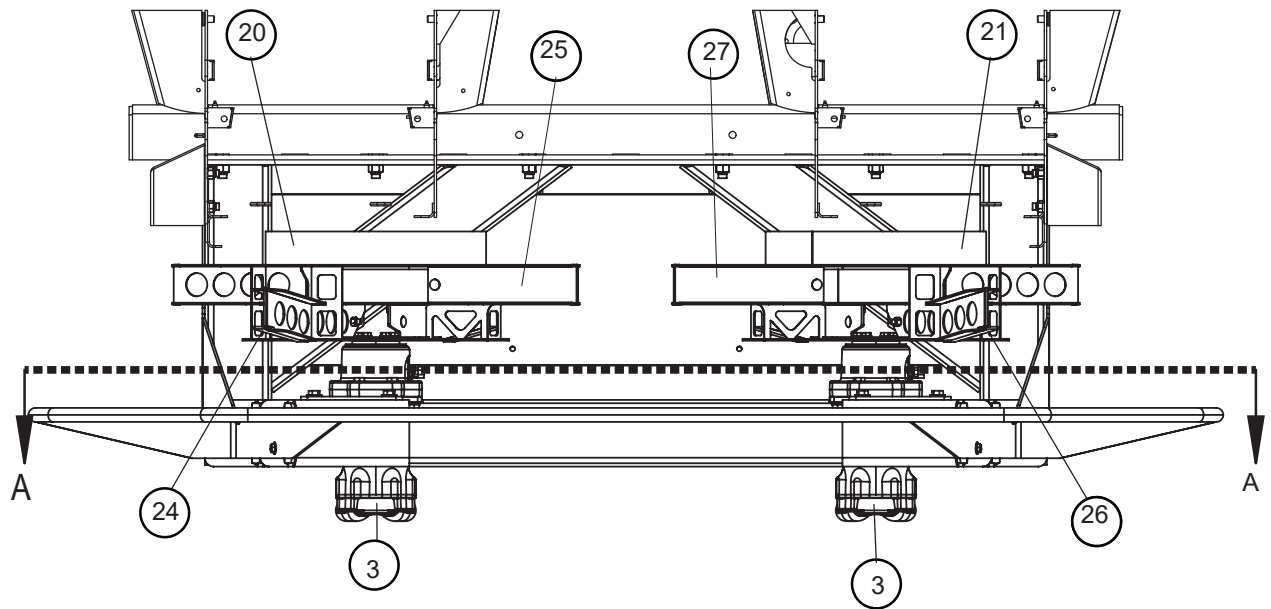
Key	Part No.	Description	Qty
	322452	Pulley - Assy Tail	1
11	322458	Shaft - Idler Pulley 304	1
12	321732	Bearing - 304	2
13	322453	Roller - Wldmt Tail	1
14	42221	Nut - .313-18NC SS Lock	4
15	36424	Washer - .313 SS Flat	4
16	322999	Spacer - Bearing 304	2
17	36397	Capscrew - .313-18NC X 1.25 SS	4



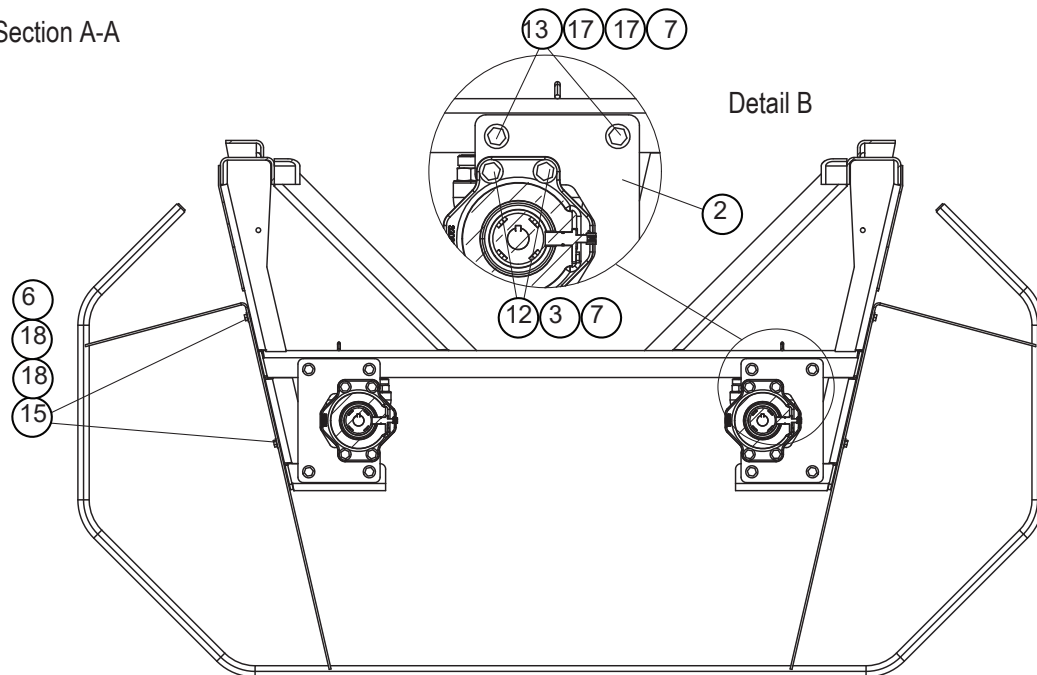
Key	Part No.	Description	Qty
1	322883	Shaft - Wldmt Adapter 304	4
2	322886	Gearcase - Assy 6:1 4.9CID LH (See next page.)	2
3	322887	Gearcase - Assy 6:1 4.9CID RH (See next page.)	2
4	36419	Washer - .313 SS Lock	16
5	34580	Capscrew - .313-18NC X 1 SS	16
6	322890	Link - 304	8
7	316109	Pin - Cotter .25 X 1.5 SS	4
8	322892	Pin - Cotter .125 X 1.5 SS	4
9	322891	Pin - Clevis .75 X 1.75 SS	4
10	301315	Loctite - 243	-
11	306890	Breather Tube- Assy Gearcase	2

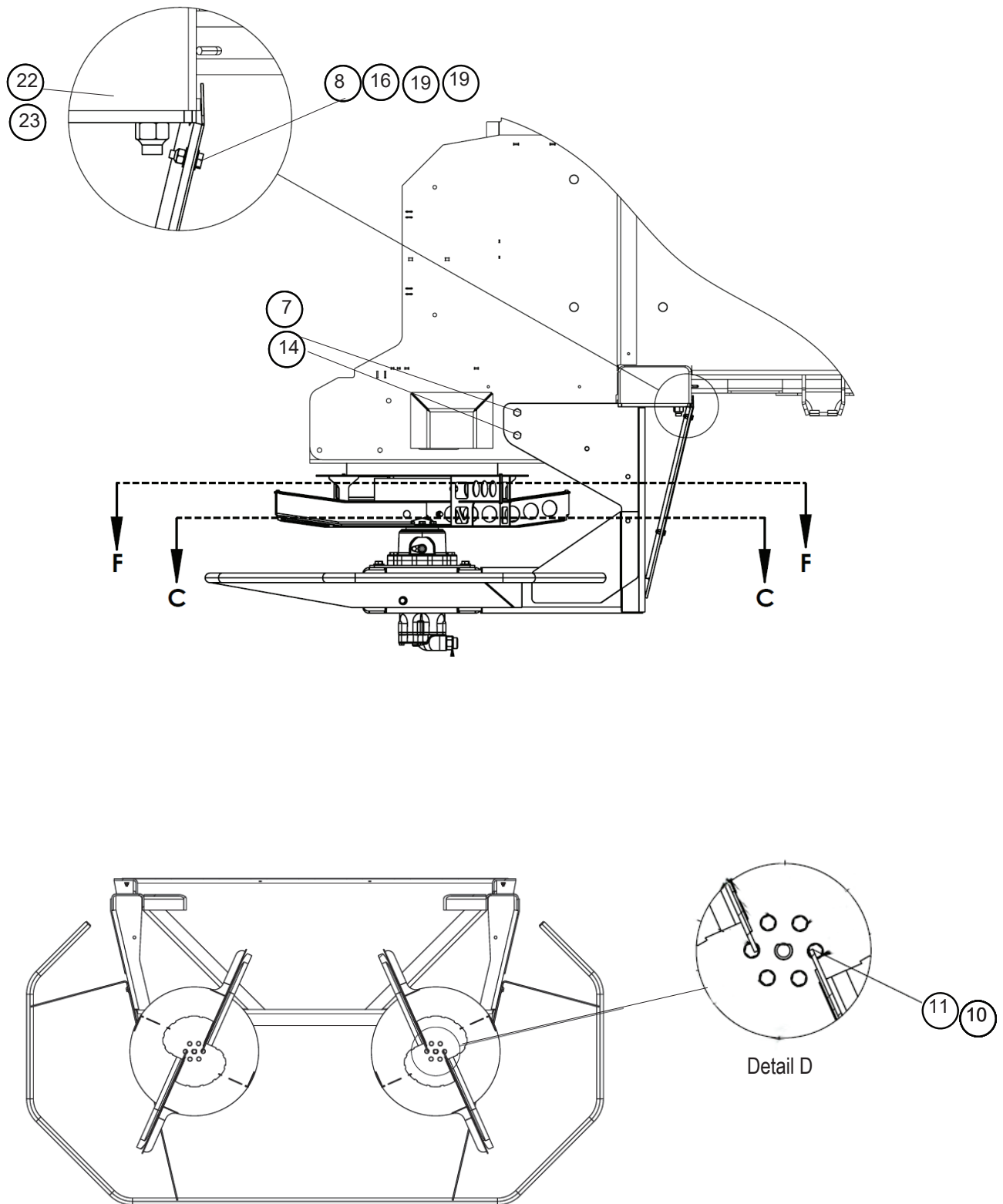
Spinners

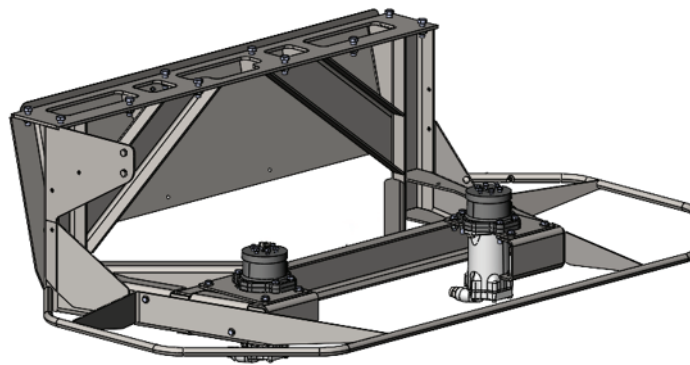
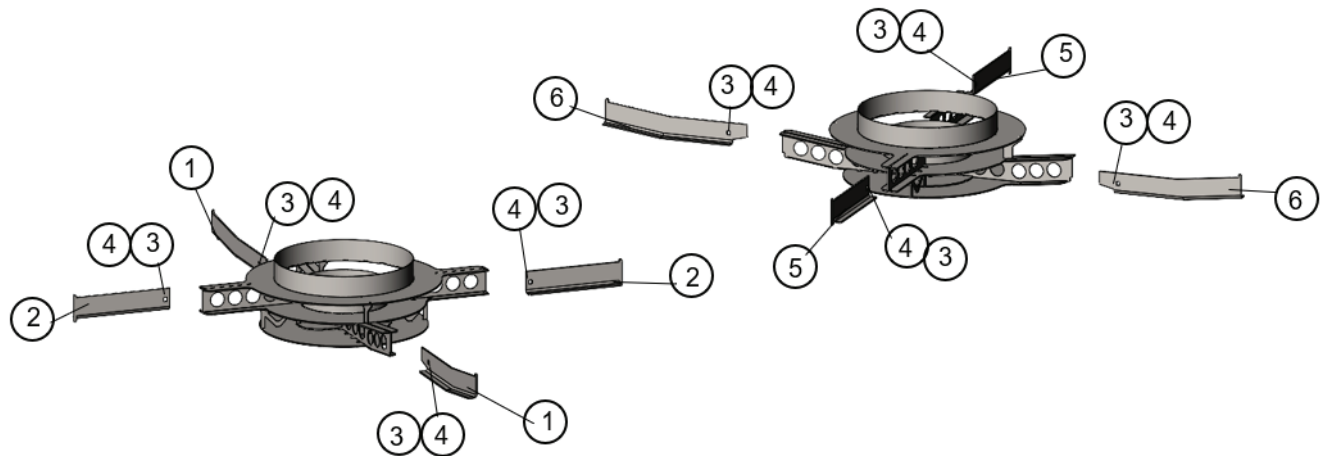
Spinner Assembly



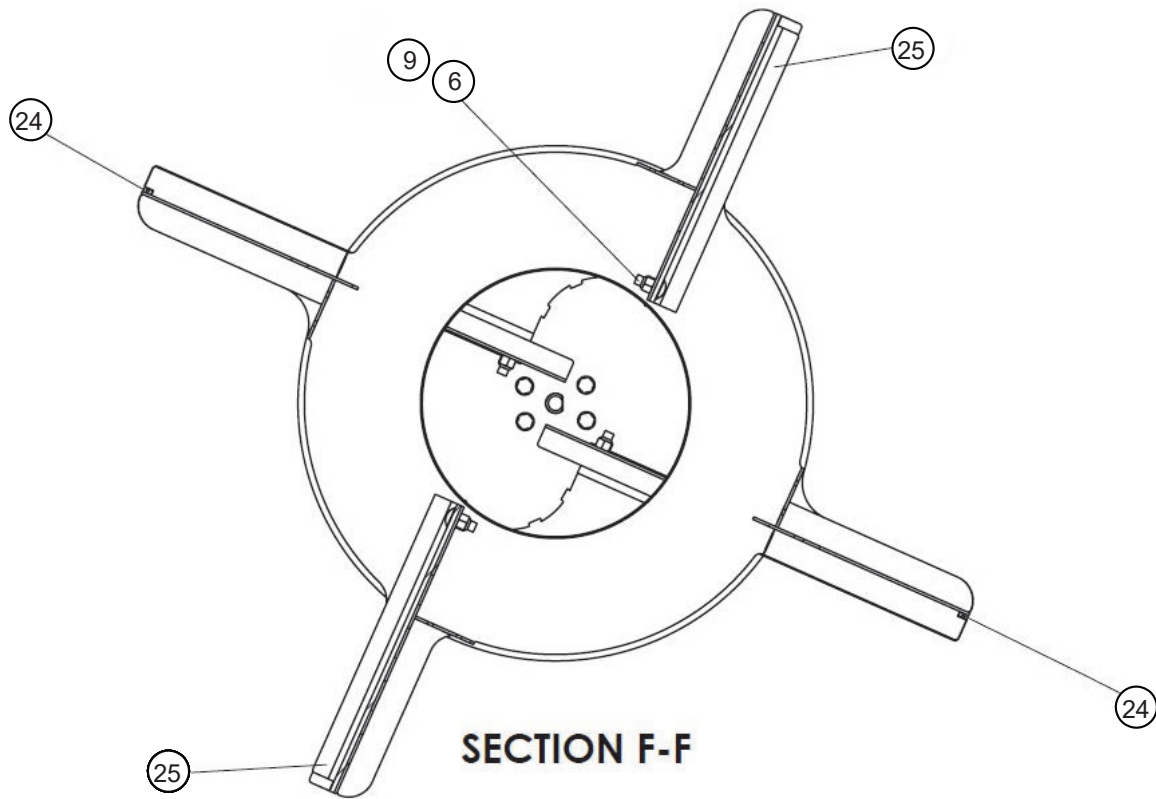
Section A-A





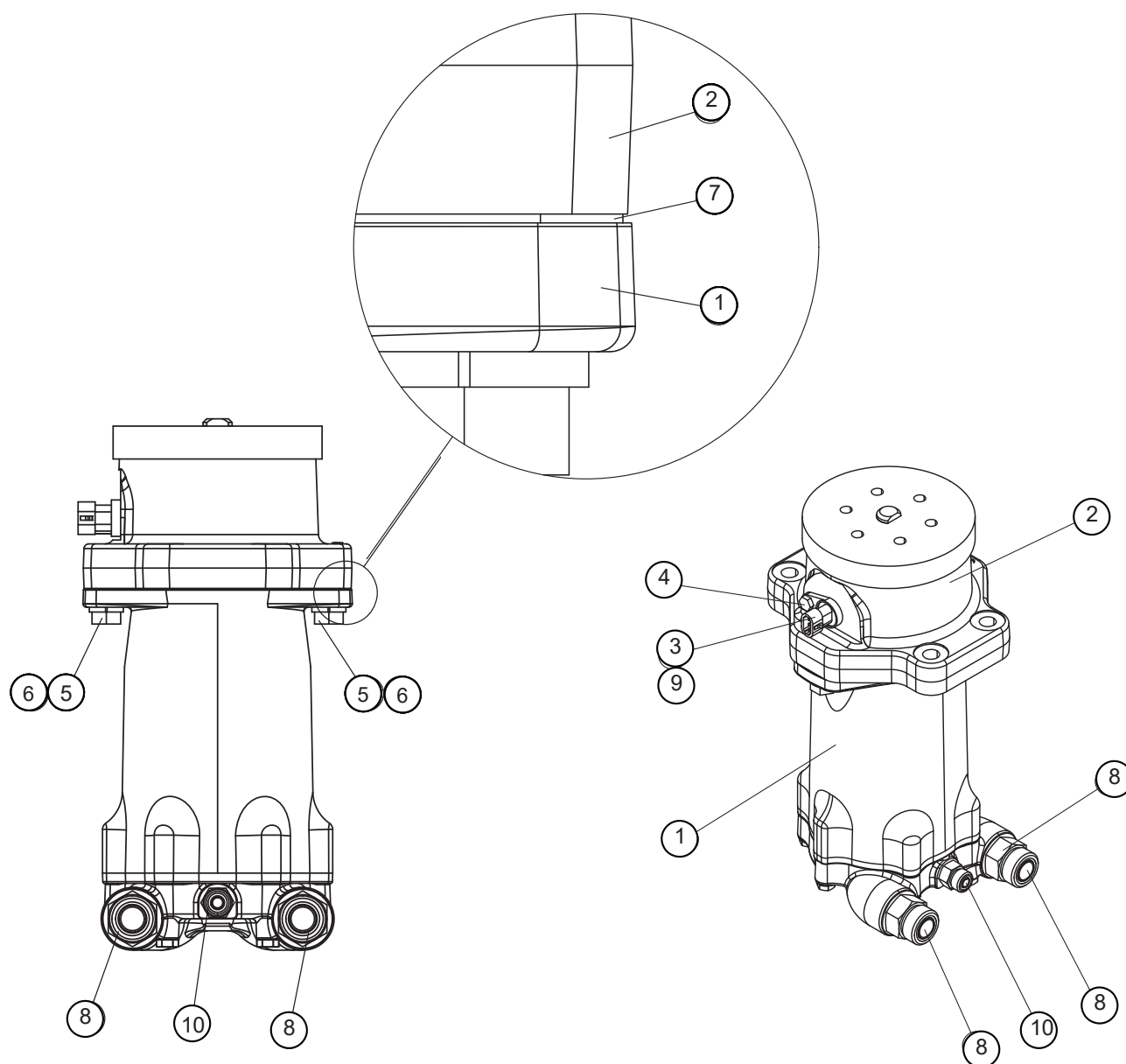


Key	Part No.	Description	Qty
1	324165	Overlay - BTM LH	2
2	324167	Overlay - Top LH	2
3	36408	Bolt - Carriage .375 - 16NC X 1 SS	8
4	72054	Nut - Lock .375-16NC SS	8
5	324166	Overlay - BTM RH	2
6	324168	Overlay - Top RH	2



Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
1	322465	Frame - Wldmt Spinner 304	1	15	36399	Capscrew - .375-16NC X 1.25 SS	4
2	322483	Mount - Spinner 304	2	16	36394	Capscrew - .25-20NC X .875 SS	6
3	321528	Motor - Assy Spinner (See next page.)	2	17	322259	Washer - Flat .5 Hd SS	16
4	321443	Plate - Backstop Panel 304	1	18	36425	Washer - .375 SS Flat	8
5	321530	Guard - Wldmt Spinner Lower	1	19	36423	Washer - .25 SS Flat	12
6	72054	Nut - .375-16NC SS Lock	12	20	322490	Disk - Wldmt LH 304	1
7	39016	Nut - .5-13NC SS Lock	20	21	322531	Disk - Wldmt RH 304	1
8	42034	Nut - .25-20NC SS Lock	6	22	58800	Capscrew - .625-11NC X 1.75 SS	10
9	36408	Bolt - .375-16NC X 1 SS	8	23	41762	Nut - Lock .625-11NC SS	10
10	36420	Washer - .375 SS Lock	12	24	324165	Overlay - BTM LH 304	2
11	36293	Capscrew - .375-16NC X .75 SS	12	25	324167	Overlay - TOP LH 304	2
12	42454	Capscrew - .5-13NC X 2.5 SS	8	26	324166	Overlay - BTM RH 304	2
13	36539	Capscrew - .5-13NC X 1.5 SS	8	27	324168	Overlay - TOP RH 304	2
14	36402	Capscrew - .5-13NC X 1.25 SS	4				

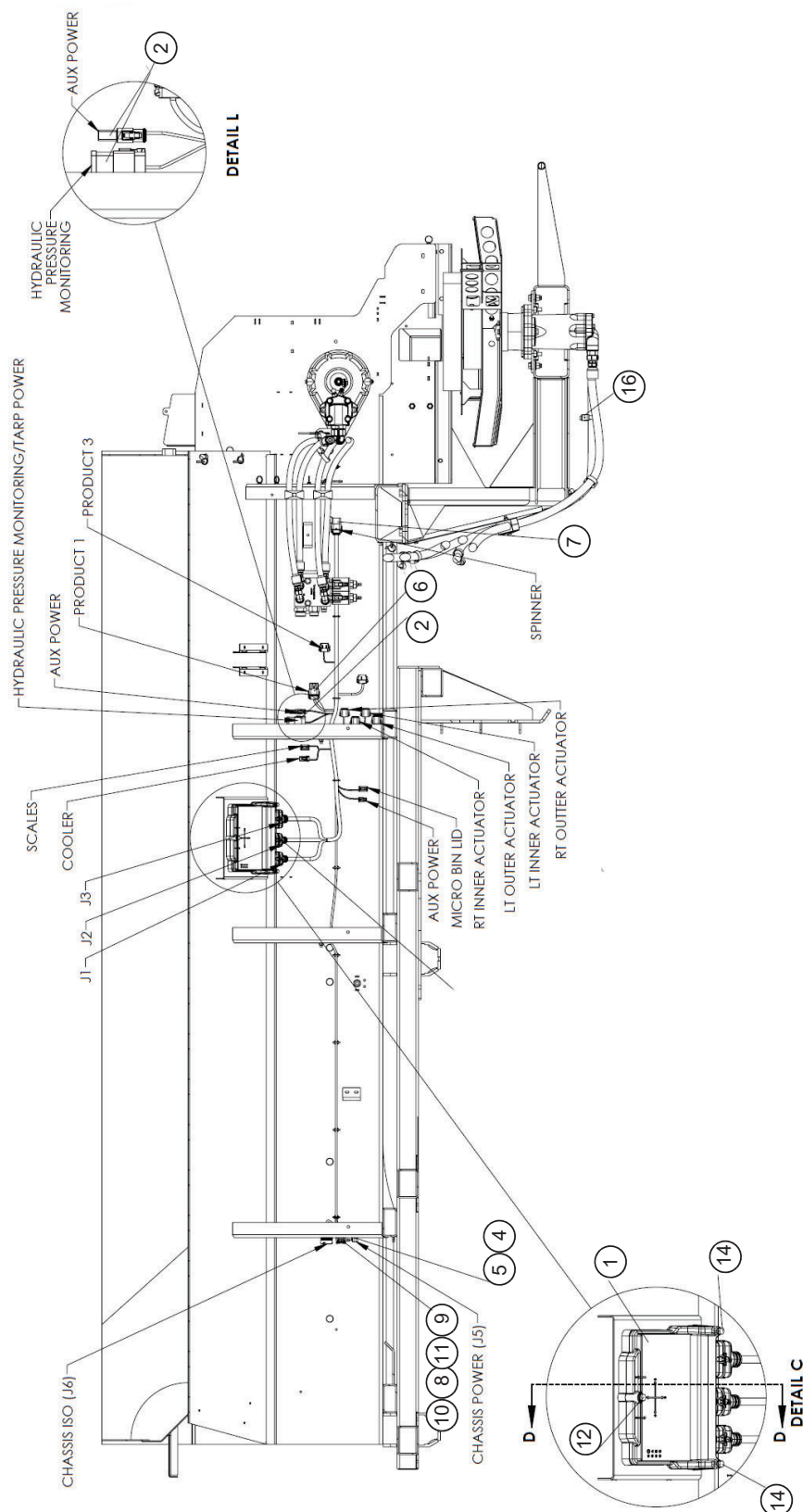
Spinner Motor

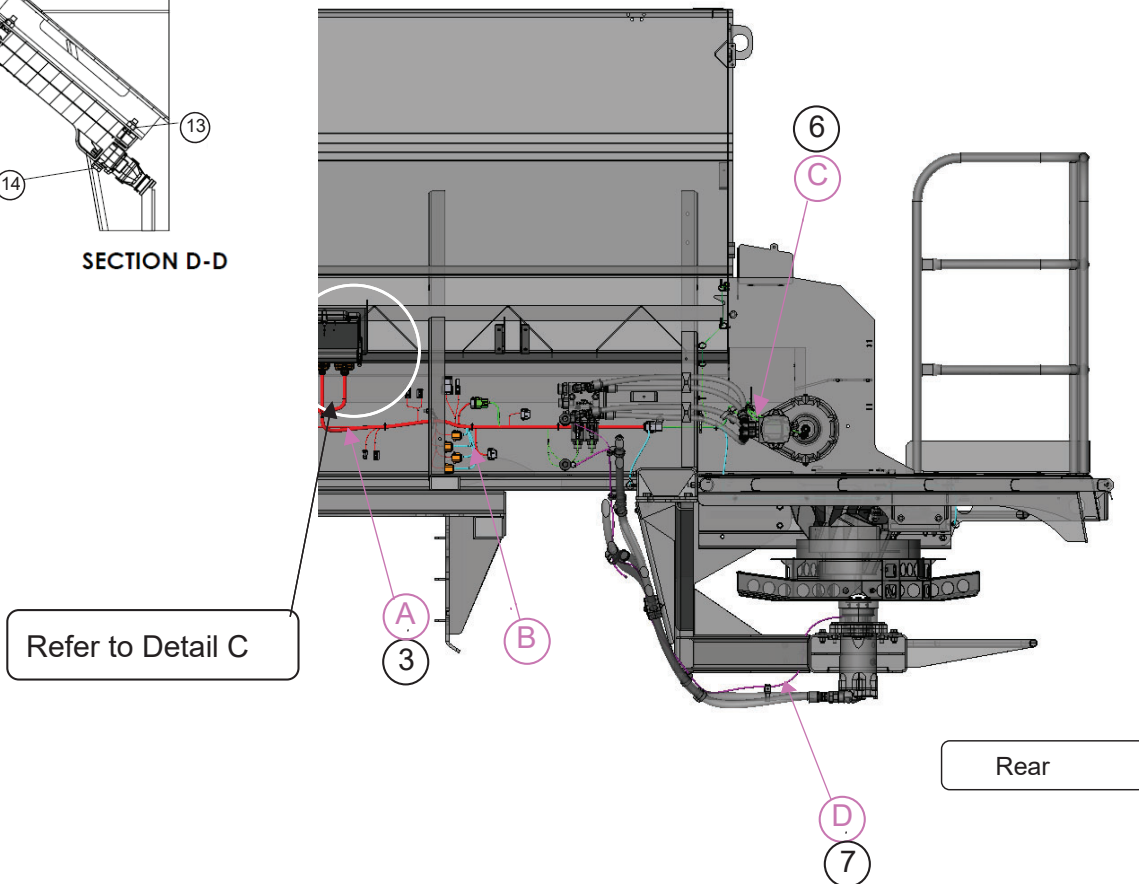
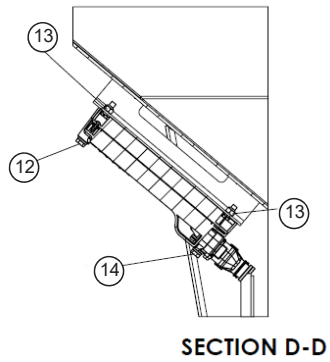
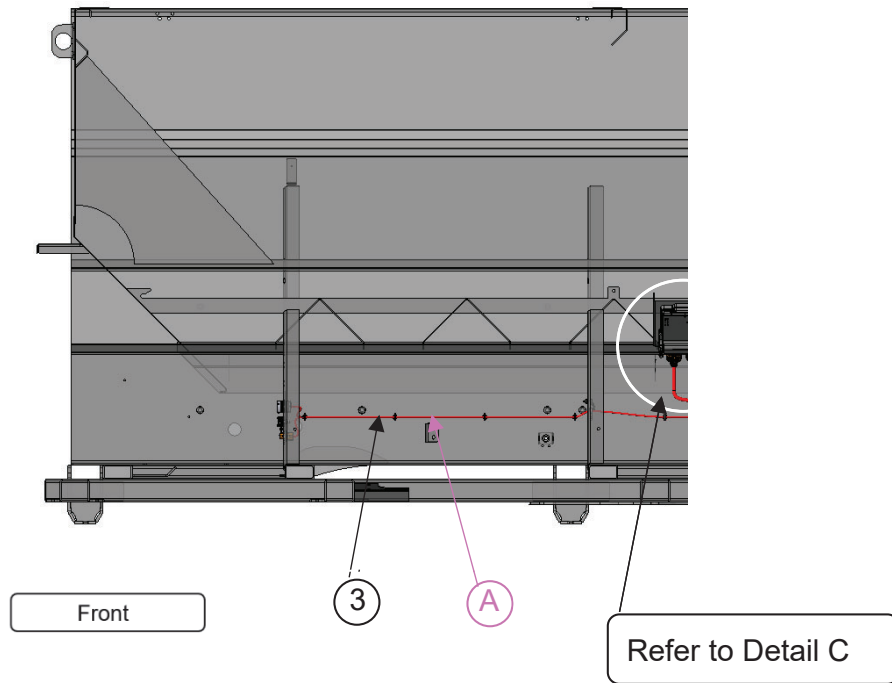


Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
	321528	Motor - Assy Spinner		5	36402	Capscrew - .5-13NC X 1.25 SS	2
1	320879	Motor - Hyd 5CID	1	6	36422	Washer - .5 SS Lock	2
A	*320894	*Motor Seal Kit *Not shown*	1	7	300493	Gasket - Paper SAE B 2 Bolt	1
2	324176	Over Hung Load Adaptor - Assy	1	8	313450	Fitting - 12-12 520120	2
3	316587	Sensor - Gear Tooth	1	9	29875	O-Ring - 016	1
4	308227	Capscrew - .25-20NC X .625 SS	1	10	313455	Fitting - 6-6 520120	1

Electrical

Harnesses and Sensors



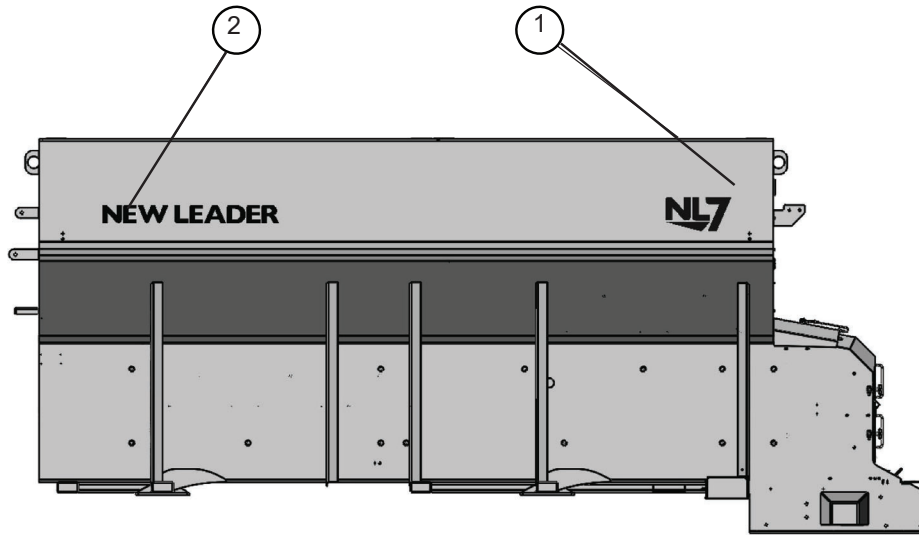


Key	Part No.	Description	Qty
1	322921	Controller - Raven RCM	1
2	324103	Harness - Hydraulic Pump	1
3	322915	Harness - Main	1
4	44483	Screw - Panhead Phlp # 10-24NC X .75 SS	2
5	56355	Nut - Lock #10-24NC SS	2
6	322916	Harness - Bin 1 Control 12'-14'	1
7	322919	Harness - Spinner	1
8	312964	Clip - Harness Mounting	4
9	34580	Capscrew - .313-18NC X 1 SS	4
10	36424	Washer - Flat .313 SS	4
11	42221	Nut - Lock .313-18NC SS	4
12	34501	Capscrew - .25-20NC X 2.5 SS	1
13	42034	Nut - Lock .25-20NC SS	3
14	36396	Capscrew - .25-20NC X 3 SS	2
15	99674	Tie - Wire	20
16	310648	Tie - Dual Clamp	12
17	311806	Tie - Wire Fir Tree	23

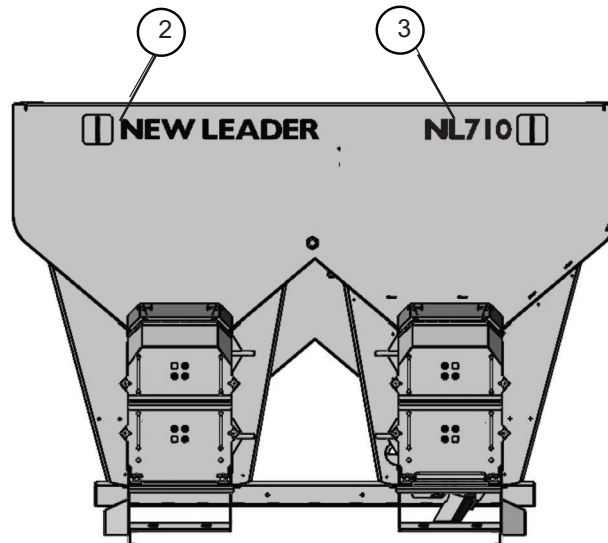
Key	Part No.	Description	Color
A	322915	Harness - Main	Red
B	325041	Actuator - 150mm (with harness)	Teal
C	322916	Harness - Bin 1 Control 12'-14'	Green
D	322919	Harness - Spinner	Purple

Decals

Decor Group

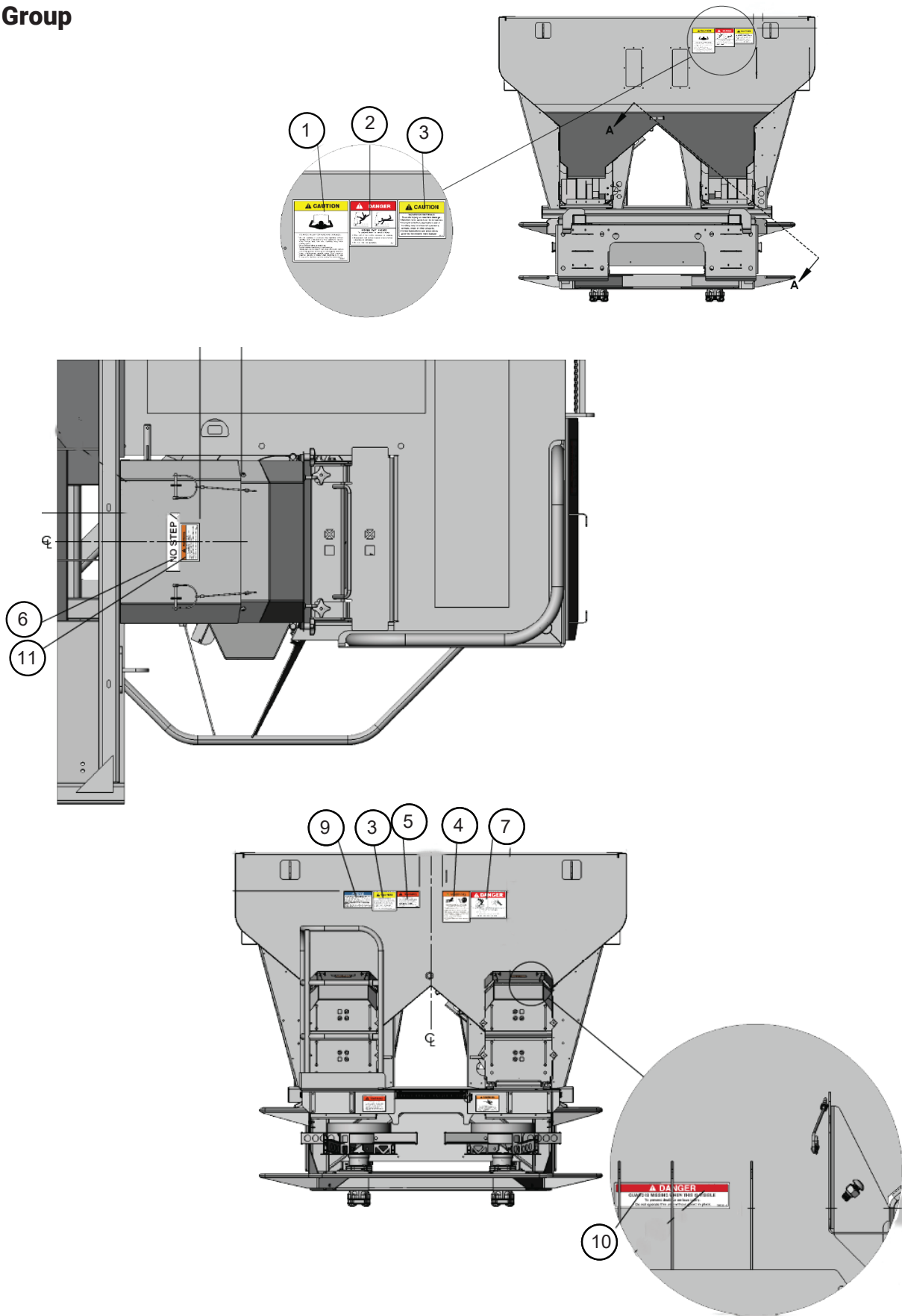


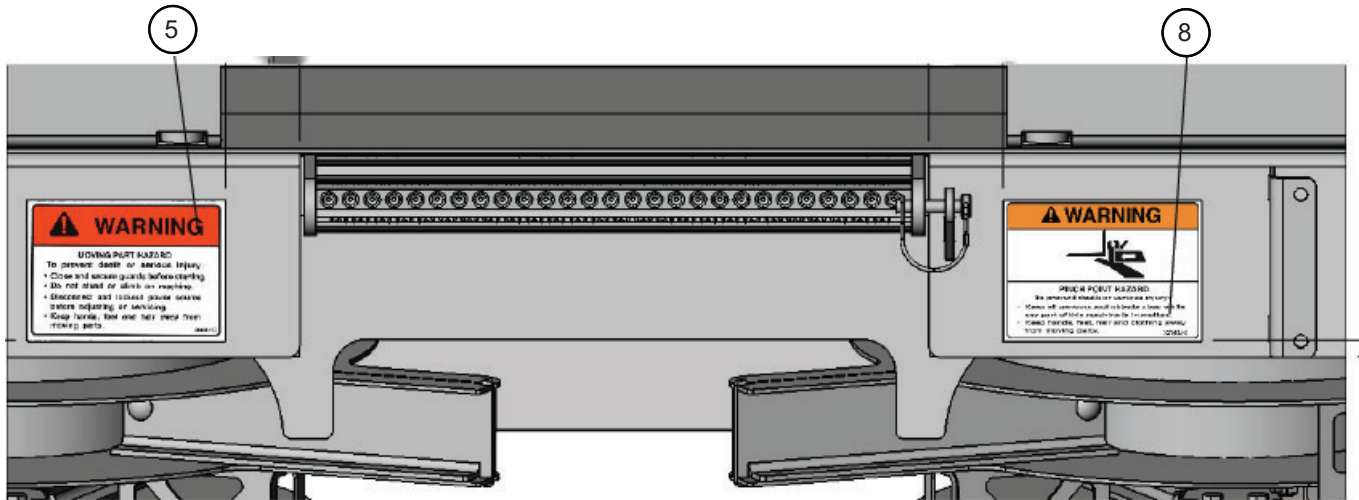
MIRRORED ON OTHER SIDE



Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
	325281	Decal - Group Decor	1	2	322277	Decal - New Leader Black	3
1	322083	Decal - NL7 Black	2	3	324769	Decal - NL710 Black	1

Safety Group

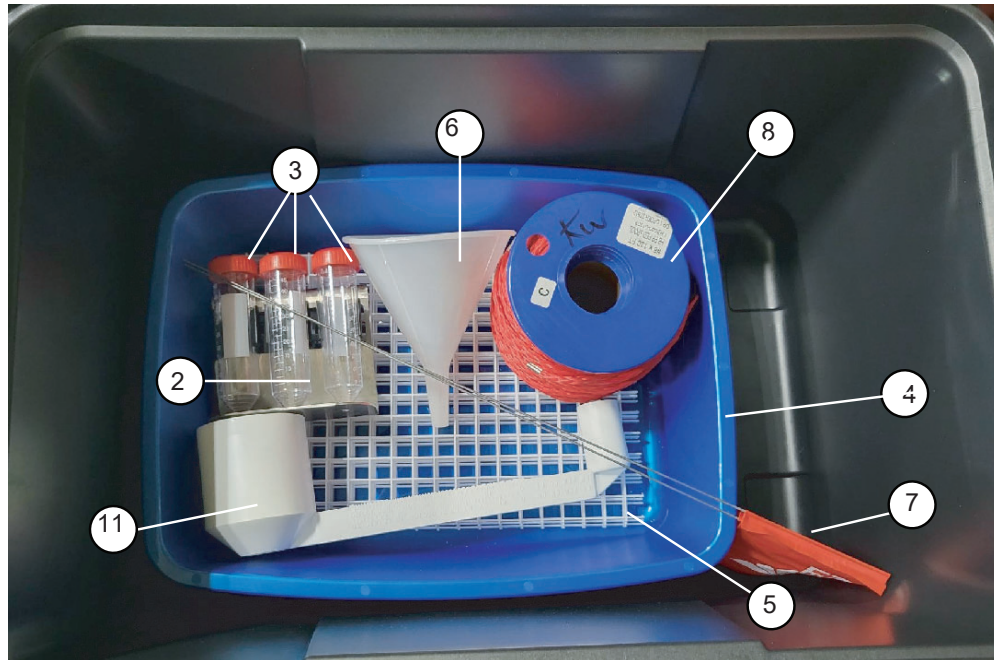




Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
	325280	Decal - Safety		6	39017	Decal - No Step	4
1	150034	Decal - Caution Operation & Maint.	1	7	368	Decal - Flying PE High Density Film	3
2	364	Decal - Danger Moving Part	1	8	323632	Decal - Warning Moving Part Hazard	1
3	321	Decal - Caution Hazardous Matl	2	9	312276	Decal - Notice Spread Pattern	1
4	39138	Decal - Warning High Pressure Fluid	1	10	308191	Decal - Guard is Missing	2
5	55631	Decal - Warning Moving Part Hazard	4	11	315641	Decal - Moving Part Hazard	2

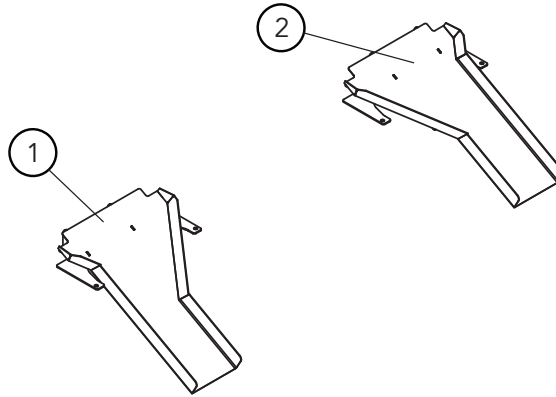
Calibration

Spread Pattern Test Kit



Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
	323516	Test - Kit Spread Pattern	1	6	87332	Funnel	1
1	323517	Box - Plastic Storage	1	7	70897	Flag	2
2	323518	Assy - Test Tube Rack	1	8	323519	Rope - 120' Marked Red	1
3	300507	Test Tube	3	9	*87210	*Stake - Tent *Not Shown*	2
4	313963	Tray - Collection Blue	3	10	--	Not used	--
5	87200	Divider - 8.38 x 12.44	3	11	58897	Scale - Density	1
				12	323523	Decal - New Leader White/Red	2

Calibration Chutes



Key	Part No.	Description	Qty	Key	Part No.	Description	Qty
	323366	Chute - Kit Calibration	1	2	321830	Chute - Wldmt CFR RH 304	1
1	321831	Chute - Wldmt CFR LH 304	1				