



MOBILE MIXERS

PARTS MANUAL

630SD - 720SD - 810SD

**FEEDLOT, HIGH ROUGHAGE, SUPER DUTY
STATIONARY, TRUCK & TRAILER MODELS**

SERIAL NUMBER UP TO _____

Harsh International, Inc.
600 Oak Ave.
Eaton, CO 80615-0007
(970) 454-2291
Fax: (970) 454-3491
ldp@harshenviro.com

Price: \$2.50

Parts book number: **102824G**

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Harsh Mobile Mix Limited Warranty

Harsh International warrants each new Harsh Mobile Mix Feeder or Harsh Stationary Mixer to be free from defects in material and workmanship for a period of one year from date of delivery. This warranty does not extend to any claim arising from or occasioned by any misuse, neglect, improper installation, overloading, failure to properly operate and maintain, or introducing into the mixer materials uncommon to normal mixing. Further, the warranty does not extend to mixers or parts thereof which have been altered or repaired at places other than the Harsh factory, nor shall the warranty apply if any accessories other than Harsh accessories or those sold by Harsh have been affixed.

This warranty does not cover failures caused by:

- Improper operation
- Unauthorized modifications
- Unauthorized repairs
- Use of Non Harsh parts
- Neglected maintenance, including chain tensioner adjustment
- Usage contrary to the intended purpose of the equipment

This Warranty does not cover replacement of Wear and Maintenance items including, but not limited to:

- Lubricants
- Filters
- Hoses
- Tires
- Augers
- Chains
- Idlers
- Bearings
- Pumps
- Motors
- Sprockets

Harsh Mobile Mix Limited Warranty

Warranty Notice Required. In order to submit a claim of the limited warranty, written notice to Harsh must be given at its factory in Eaton, Colorado, 80615, within the one year warranty period. Within such written notice the buyer must submit a request for a Return Goods Authorization. Upon receipt of the Returned Goods Authorization, the buyer will return the material which is claimed to be defective to Harsh, F. O. B. its plant within 30 days after the buyer has received the Returned Goods Authorization. Thereafter, Harsh, at its election, shall either (A) repair, (B) replace, or (C) repay the price thereof.

Warranty Validation Certificate Required. The warranty provided herein shall not take effect until the application and registration form (Warranty Validation Certificate), which is provided at the time of purchase and installation is completed by the owner and returned to Harsh. Harsh does not transfer to any of its dealers, distributors, or agents the right to warranty on its behalf. If said dealer or distributor in performing a service or repair, returns to the Harsh factory on behalf of the buyer, such parts or mixer, the existence, validity, and applicability of the warranty regarding such part or mixer remains solely the prerogative of Harsh and not such dealer or distributor.

Limitation of Remedy. The remedies provided herein shall be the sole and exclusive remedies available to the buyer, its heirs, successors, and assigns. If such limitation is unenforceable, than notwithstanding anything herein to the contrary, the maximum damages for which Harsh may or shall be liable shall be the sales price for the part, component, or assembly claimed to be defective. Harsh shall not be liable for consequential damages including loss of profits, personal injury or death, property damages, or any other commercial loss arising out of any claimed failure or defect of the Harsh product.

Exclusive and Sole Warranty. The warranty provided herein is the sole and only warranty and there is no warranty of merchantability, fitness for a particular purpose, warranty arising from a course of dealing or usage of trade or any other implied or express warranty except made specifically provided herein.

Harsh does not assume responsibility for shipping or travel expenses and reserves the right to make improvements to any model without notice.

Harsh Mobile Mix Limited Warranty

IMPORTANT NOTICE

To enable us to better serve your needs, please fill out the following warranty information and return this page to Harsh International. This allows Harsh to transfer your information into our computer system. With this information we can bring up your records with all the current invoicing, serial numbers, or model numbers needed for future reference.

Thank You

Harsh International, Inc.
600 Oak Street
Eaton, Colorado 80615

Harsh Mobile Mix Limited Warranty

WARRANTY VALIDATION CERTIFICATE & DELIVERY CHECKLIST

In order to insure the unit is delivered to the customer in a fully operational condition please fill out the following inspection form and return it to Harsh International. This form must be returned to Harsh prior to processing any customer warranty claims.

Hydraulic System

- Oil Tank Level
- System Leaks
- Operation of System & Controls
- Engine Mount Pump

Drive System

- PTO Control Operation
- Bearings Lubricated
- Chains Lubricated
- Gearbox Levels
- Main Augers & Tub Clear of Obstruction

Discharge System

- Chains Adjusted
- Spout & Bearings Lubricated
- System Control Operational

- Safety Instructions have been read, demonstrated, and clearly understood.

Notes & Comments: _____

Owners Name: _____
Address: _____
City, State: _____
Zip Code: _____
Phone Number: _____
Delivery Date: _____ SERIAL NUMBER _____

The above items have been checked and performed per the instructions in the operators manual. The manual has been received and delivered to the owner.

Signed by Dealer/Representative

Signed by Customer

(Specifications Subject to Change Without Notice)

Parts Ordering Information

To assure continued safe and efficient operation and to maintain the validity of your warranty use only genuine Harsh replacement parts. To obtain the correct parts for your mixer, contact the nearest Harsh equipment dealer in your area. If no Harsh dealer is available, contact Harsh International Inc., 600 Oak Avenue, Eaton, CO 80615, (303) 454-2291.

When ordering parts, be sure to know the Model and Serial numbers of the machine. For the quickest service when ordering by phone, be prepared to state the part number and description as well as the Parts Manual part number, the page number and item number of the part(s) you are ordering.

Always have repairs performed by qualified Service Personnel from your Harsh dealer.

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of printing.

Harsh International, Inc. reserves the right to make changes to manuals, parts or assemblies at any time without prior notice.

REPLACEMENT MANUALS

Replacement or extra Operator's Manuals and Parts Manuals can be downloaded on our website www.harshenviro.com or contact your local dealer.

All Operator's Manual's and Parts Manuals are ordered by Model number and Serial number of your unit.

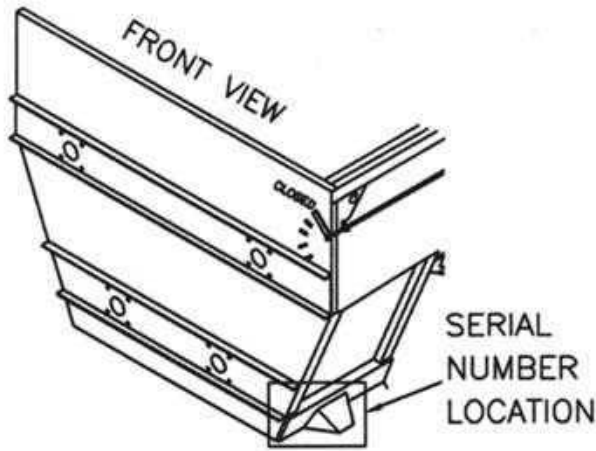
There is a nominal cost for each manual ordered.

!!!! IMPORTANT !!!!

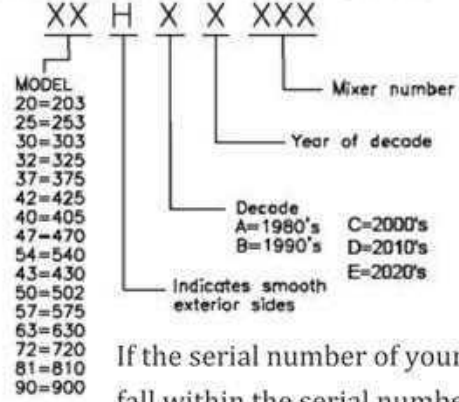
Before attempting to operate, inspect, adjust, repair or replace any part of your machine be sure to be thoroughly familiar with your Operator's Manual and observe all safety notices; both printed in the manual and on decals located on the machine.

**FAILURE TO OBSERVE THESE SAFETY RULES COULD RESULT IN
SERIOUS INJURY AND/OR PROPERTY DAMAGE!**

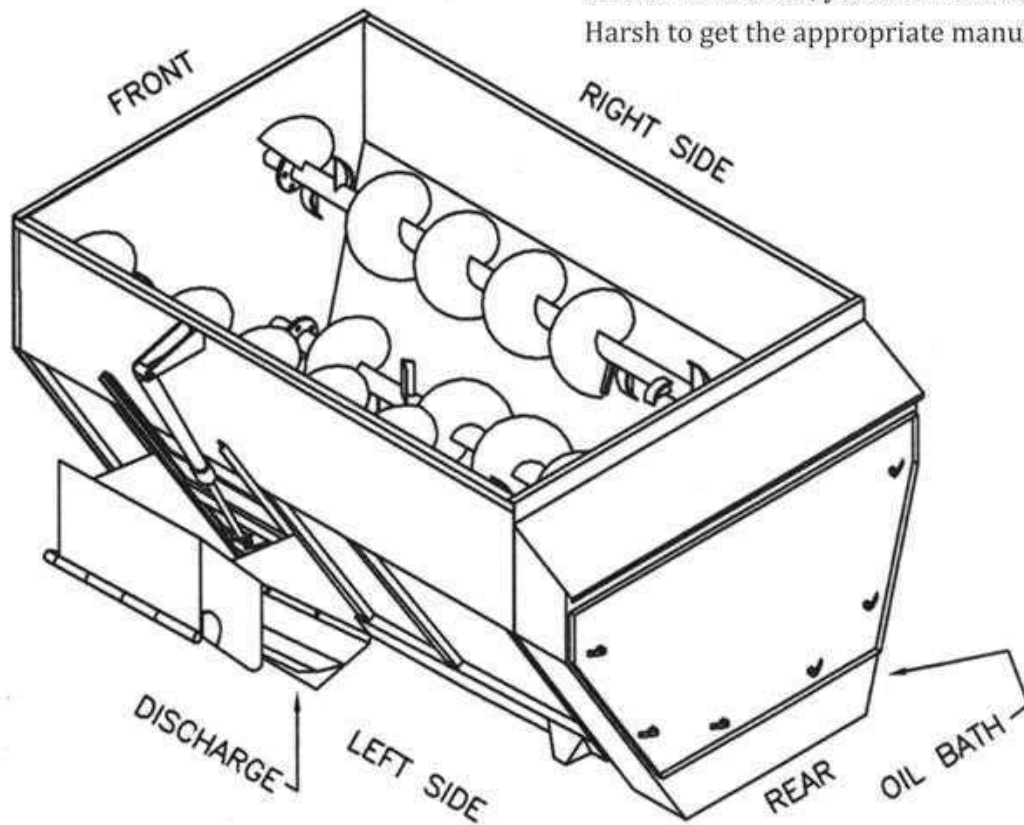
Mixer Orientation



Serial Number Code

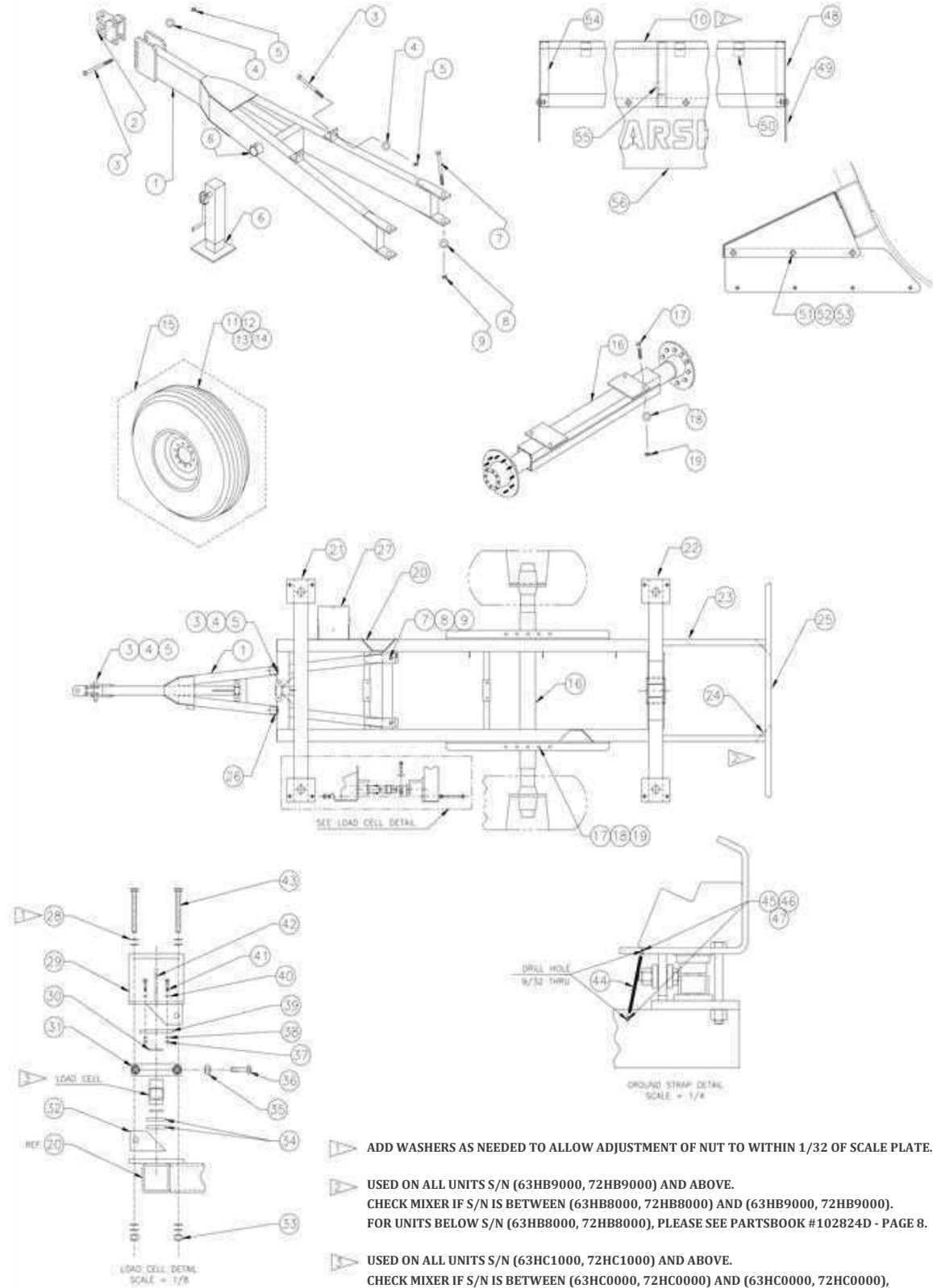


If the serial number of your mixer does not fall within the serial number breaks listed on the front cover, you will need to contact Harsh to get the appropriate manual



Trailer Frame & Axle

630 - 720 SINGLE AXLE



ADD WASHERS AS NEEDED TO ALLOW ADJUSTMENT OF NUT TO WITHIN 1/32 OF SCALE PLATE.

USED ON ALL UNITS S/N (63HB9000, 72HB9000) AND ABOVE.
 CHECK MIXER IF S/N IS BETWEEN (63HB8000, 72HB8000) AND (63HB9000, 72HB9000).
 FOR UNITS BELOW S/N (63HB8000, 72HB8000), PLEASE SEE PARTSBOOK #102824D - PAGE 8.

USED ON ALL UNITS S/N (63HC1000, 72HC1000) AND ABOVE.
 CHECK MIXER IF S/N IS BETWEEN (63HC0000, 72HC0000) AND (63HC0000, 72HC0000).
 FOR UNITS BELOW S/N (63HC0000, 72HC0000), PLEASE SEE PARTSBOOK #102824D - PAGE 8, 10-11.

Trailer Frame & Axle

630 - 720 SINGLE AXLE

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	A16605	1	TONGUE	26	15099	2	ANGLE, TONGUE MOUNT
2	A16606	1	HITCH	27	A16547	1	BATTERY TRAY
3	101434	4	SCREW 6"	28	100556	16	FLAT WASHER
4	100554	4	LOCK WASHER	29	A18861	4	LOAD CELL BRACKET
5	100658	4	NUT	30	102220	8	URETHANE SHOCK DISK
6	102349	1	JACK	31	18855	8	STABILIZER BAR
*6	NSS	1	JACK MOUNT TUBE	32	18847	4	STABILIZER PLATE
7	101878	2	SCREW	33	101009	8	LOCK NUT
8	101879	2	LOCK WASHER	34	18858	8	LOAD CELL LOCK
9	100355	2	NUT	35	103250	8	NUT
*10	NPN	2	SLOPED FENDER	36	100367	8	SCREW
*11	100666	2	TIRE, 16.5 x 22.5	37	100254	4	NUT
*11	102590	2	TIRE, 44 x 16 AIRPLANE	38	100271	16	LOCK WASHER
*12	102261	2	TUBE, 15 x 22.5	39	19499	4	LOAD CELL LOCK PLATE
*12	102591	2	TUBE, 44 x 16 AIRPLANE	40	100300	16	FLAT WASHER
*13	102363	2	RIM, 13.5 x 22.5 W/10 HOLES	41	103248	16	SCREW
*13	102592	2	RIM, 18 x 15 W/10 HOLES, AIRPLANE	42	18846	4	LOAD CELL GUSSET
14	102600	2	FLAP, AIRPLANE TIRE 18 x 12	43	101877	8	SCREW
*15	102588	2	TIRE, COMPLETE W/TUBE & RIM	44	A16362	1	GROUND STRAP
*15	102583	2	TIRE, AIRPLANE COMP W/TUBE & RIM	45	100323	2	SCREW
16	A15146	1	AXLE	46	100304	2	LOCK WASHER
17	100322	4	SCREW	47	100221	2	NUT
18	100361	4	LOCK WASHER	*48	18932	2	FENDER CLOSURE (RIGHT)
19	100744	4	NUT	49	18900	4	SHEET, MUD FLAP EXTENSION
20	-	1	FRAME ASS'Y (SPECIAL ORDER ONLY)	50	18902	6	FENDER KEEPER
21	-	1	CROSS TUBE, FR. (SPECIAL ORDER ONLY)	51	100276	12	SCREW
22	-	1	CROSS TUBE, RR. (SPECIAL ORDER ONLY)	52	100271	12	WASHER
23	16156	2	BUMPER EXTENSION (630)	53	100254	12	NUT
23	18974	2	BUMPER EXTENSION (720)	*54	18933	2	FENDER CLOSURE (LEFT)
24	16549	2	GUSSET PLATE, BUMPER	55	18933	2	FENDER CLOSURE (LEFT) - optional
25	15061	1	BUMPER, REAR	56	18917	2	SIDE SHEET

NOTE: *11, *12, *13, *15 ENSURE CORRECT SIZE BEFORE ORDERING.

*6 - WELD ON MOUNT SUPPLIED WITH JACK.

*10 - SPECIFY LENGTH WHEN ORDERING.

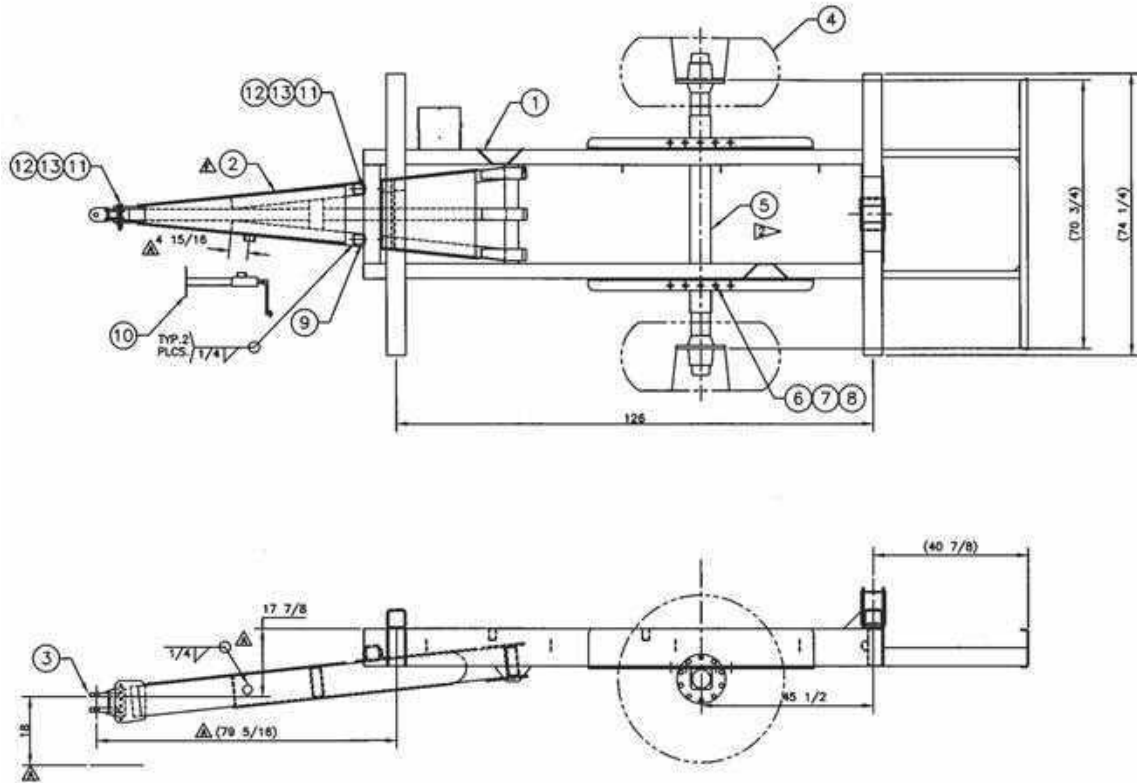
*48, *54 NOT USED ON UNITS ABOVE S/N (63HC1000, 72HC1000); CHECK MIXER IF S/N IS BETWEEN (63HC0000, 72HC0000) AND (63HC1000, 72HC1000). FENDER RETURNS ARE NOW AN INTEGRAL PART OF THE FENDER ASSEMBLY.

NPN - NO PART NUMBER

NSS - NOT SOLD SEPARATELY

Trailer Frame & Axle

TRAILER GROUP 502H, 630 LOAD CELL - A7859



	QTY	ITEM	PART NO	DESCRIPTION
	4	13	100658	NUT, HX 3/4-10UNC
	12	12	100554	WASHER, LOCK 3/4
	4	11	101434	SCREW, HX HD CAP 3/4-10UNC x 6 GR.5
	1	10	102349	JACK, HEAVY DUTY W/LOWERED MNT.
	2	9	15099	ANGLE, TONGUE MNT 3 X 3 X 2 1/2
	4	8	100744	NUT, HX 7/8-9UNC
	4	7	100361	WASHER, LOCK 7/8
	4	6	100322	SCREW, HX HD CAP 7/8-9UNC x 3
	1	5	A15148	AXLE ASSY
	2	4		TIRE & WHEEL
	1	3	A16606	HITCH ASSY
▲	1	2	A18317	TONGUE ASSY
	1	1	A18898	TRAILER FRAME ASSY 502H, 630 LOAD CELL

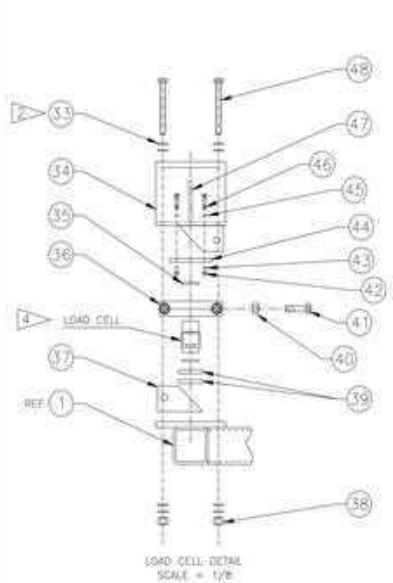
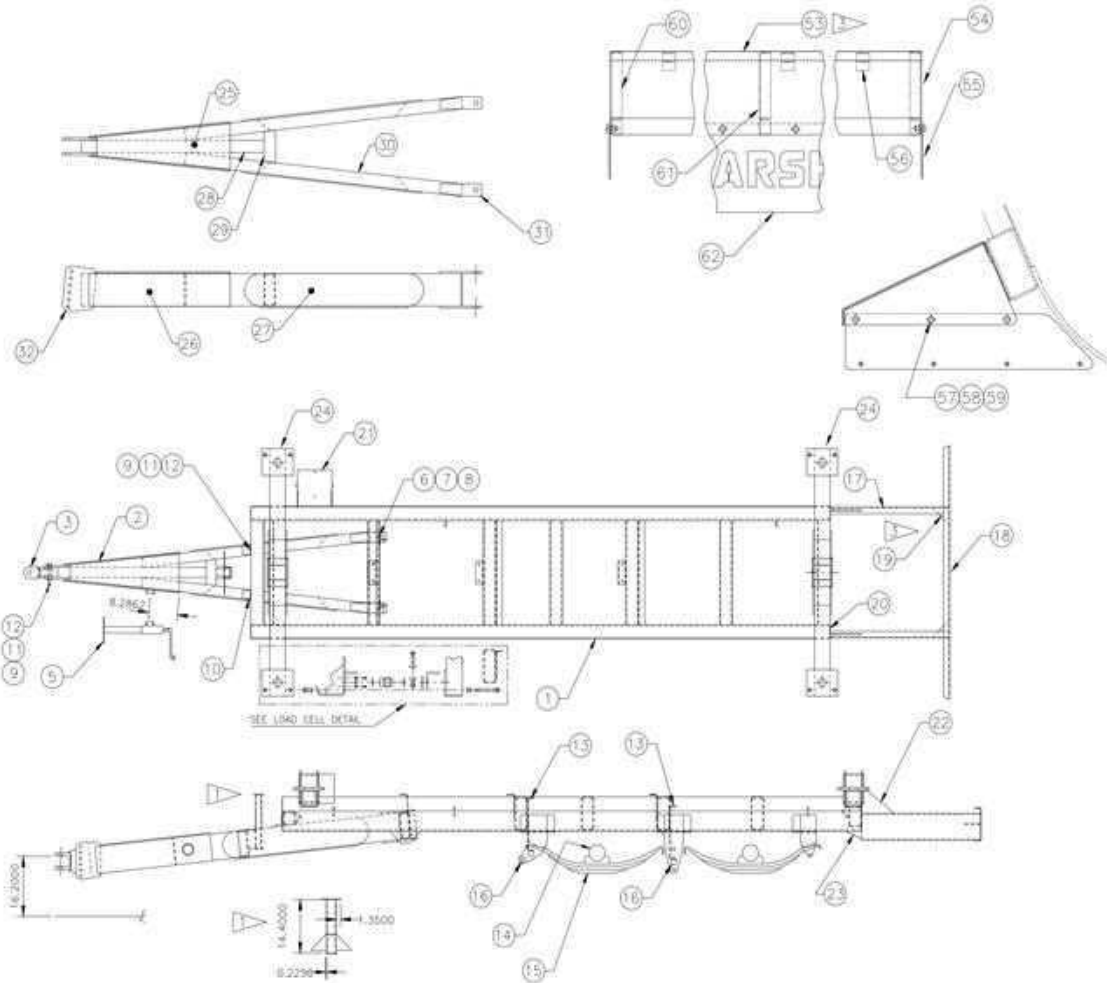
NOTES:

The Trailer Frame & Axle drawing and parts list shown is used on 630 mixers. The Load Cell Trailer Frame & Axle used on 720 mixers has a longer Trailer Frame Assembly. For more part information, contact your Harsh International dealer or our front desk at (970) 454-2291.

TRAILER GROUP 575H, 720 LOAD CELL - A7860

Trailer Frame & Axle

720 - 810 TANDEM



- ▲ LOCATE BEARING SUPPORT WITH DRIVELINE IN PLACE. ASSEMBLIES MAY VARY.
- ▲ ADD WASHERS AS NEEDED TO ALLOW ADJUSTMENT OF NUT TO WITHIN 1/32 OF SCALE PLATE.
- ▲ USED ON ALL UNITS S/N (72HB9000, 81HB9000) AND ABOVE.
CHECK MIXER IF S/N IS BETWEEN (72HB8000, 81HB8000) AND (72HB9000, 81HB9000), OR BELOW S/N (72HB8000, 81HB8000).
- ▲ USED ON ALL UNITS S/N (72HC1000, 81HC1000) AND ABOVE.
CHECK MIXER IF S/N IS BETWEEN (72HC0000, 81HC0000) AND (72HC1000, 81HC1000).
FOR UNITS BELOW S/N (72HC0000, 81HC0000), PLEASE SEE PARTSBOOK #102824D - PAGE 8, 10-11.

Trailer Frame & Axle

720 - 810 TANDEM

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	-	1	FRAME ASS'Y (SPECIAL ORDER ONLY)	32	15093	2	SIDE PLATE
2	A18317	1	TONGUE ASS'Y	33	100556	36	FLAT WASHER
3	A16606	1	HITCH ASS'Y	34	A18861	4	LOAD CELL BRACKET
4	**	4	TIRE & WHEEL	35	102220	8	URETHANE SHOCK DISK
5	102349	1	JACK	36	18855	4	STABILIZER BAR
6	101878	2	SCREW	37	18847	4	STABILIZER PLATE
7	101879	2	LOCK WASHER	38	101009	16	LOCK NUT
8	100355	2	NUT	39	18858	8	LOAD CELL LOCK
9	101434	4	SCREW	40	103250	8	NUT
10	15099	2	ANGLE, TONGUE MOUNT	41	100367	8	SCREW
11	100554	12	LOCK WASHER	42	100254	16	NUT
12	100658	4	NUT	43	100271	16	LOCK WASHER
13	18302	2	CENTER GUSSET	44	19499	4	LOAD CELL LOCK PLATE
14	101113	2	AXLE ASS'Y	45	100300	16	FLAT WASHER
15	102865	1	SUSPENSION UNIT	46	103248	16	SCREW
16	18301	2	SUSPENSION CROSS TUBE	47	18846	4	LOAD CELL GUSSET
17	18974	2	BUMPER EXTENSION	48	101877	8	SCREW
18	15061	1	BUMPER	49	A16362	1	GROUND STRAP
19	16549	2	GUSSET PLATE	50	100323	2	SCREW
20	18338	2	CLOSURE PLATE	51	100304	2	LOCK WASHER
21	A16547	1	BATTERY MOUNT ASS'Y	52	100221	2	NUT
22	18336	2	GUSSET PLATE, BUMPER	*53	NPN	2	SLOPED FENDER
23	18398	2	GUSSET PLATE, BUMPER	*54	18932	2	FENDER CLOSURE (RIGHT)
24	-	2	CROSS TUBE (SPECIAL ORDER ONLY)	55	18900	4	SHEET, MUD FLAP EXTENSION
25	18474	1	PLATE, TOP REINFORCEMENT	56	18902	6	FENDER KEEPER
26	18475	2	PLATE, SIDE REINFORCEMENT	57	100276	12	SCREW
27	18318	2	ANGLE, REINFORCEMENT	58	100271	12	WASHER
28	15094	1	TONGUE TUBE	59	100254	12	NUT
29	15098	1	CROSS TUBE	*60	18933	2	FENDER CLOSURE (LEFT)
30	15095	2	HITCH TUBE	61	18933	2	FENDER CLOSURE (LEFT) - optional
31	15105	4	CLAMP PLATE	62	18917	2	SIDE SHEET

NOTE: *53 - SPECIFY LENGTH WHEN ORDERING.

*54, *60 NOT USED ON UNITS ABOVE S/N (72HC1000, 81HC1000); CHECK MIXER IF S/N IS BETWEEN (72HC0000, 81HC0000) AND (72HC1000, 81HC1000). FENDER RETURNS ARE NOW AN INTEGRAL PART OF THE FENDER ASSEMBLY.

NPN - NO PART NUMBER

** AVAILABLE TIRE ASSEMBLIES:

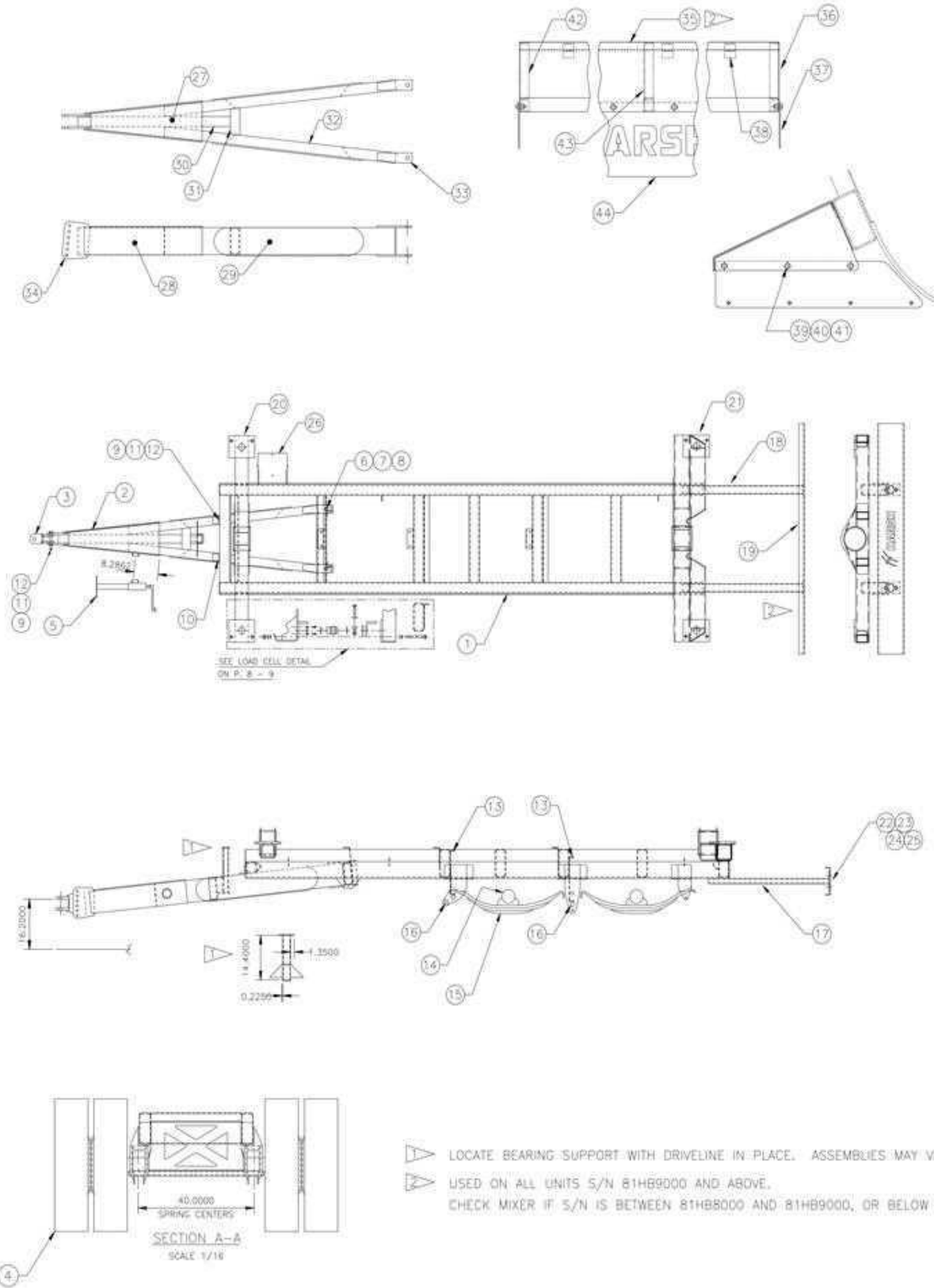
DUALS UP TO 11.00R24.5

P/N - 102588 - TIRE, COMPLETE 16.5 x 22.5 w/10 HOLE WHEEL

P/N - 102583 - AIRPLANE TIRE 44 x 16 w/10 HOLE WHEEL

Trailer Frame & Axle

810SD TANDEM



Trailer Frame & Axle

810SD TANDEM

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	-	1	FRAME ASS'Y (SPECIAL ORDER ONLY)	24	100272	4	LOCK WASHER
2	A18317	1	TONGUE ASS'Y	25	300826	4	NUT
3	A16606	1	HITCH ASS'Y	26	A16547	1	BATTERY MOUNT ASS'Y
4	**	4	TIRE & WHEEL	27	18474	1	PLATE, TOP REINFORCEMENT
5	102349	1	JACK	28	18475	2	PLATE, SIDE REINFORCEMENT
6	101878	2	SCREW	29	18318	2	ANGLE, REINFORCEMENT
7	101879	2	LOCK WASHER	30	15094	1	TONGUE TUBE
8	100355	2	NUT	31	15098	1	CROSS TUBE
9	101434	4	SCREW	32	15095	2	HITCH TUBE
10	15099	2	ANGLE, TONGUE MOUNT	33	15105	4	CLAMP PLATE
11	100554	12	LOCK WASHER	34	15093	2	SIDE PLATE
12	100658	4	NUT	*35	NPN	2	SLOPED FENDER
13	18302	2	CENTER GUSSET	*36	18932	2	FENDER CLOSURE (RIGHT)
14	101113	2	AXLE ASS'Y	37	18900	4	SHEET, MUD FLAP EXTENSION
15	102865	1	SUSPENSION UNIT	38	18902	6	FENDER KEEPER
16	18301	2	SUSPENSION CROSS TUBE	39	100276	12	SCREW
17	A19443	1	BUMPER ASS'Y	40	100271	12	WASHER
18	A19444	2	BUMPER EXTENSIONS	41	100254	12	NUT
19	18972	1	BUMPER	*42	18933	2	FENDER CLOSURE (LEFT)
20	-	1	CROSS TUBE, FR. (SPECIAL ORDER ONLY)	43	18933	2	FENDER CLOSURE (LEFT) - optional
21	-	1	CROSS TUBE, RR. (SPECIAL ORDER ONLY)	44	18917	2	SIDE SHEET
22	101444	4	SCREW				
23	100338	4	FLAT WASHER				

NOTE: *35 - SPECIFY LENGTH WHEN ORDERING.

*36, *42 NOT USED ON UNITS ABOVE S/N 81HC1000; CHECK MIXER IF S/N IS BETWEEN 81HC0000 AND 81HC1000. FENDER RETURNS ARE NOW AN INTEGRAL PART OF THE FENDER ASSEMBLY.

NPN - NO PART NUMBER

** AVAILABLE TIRE ASSEMBLIES:

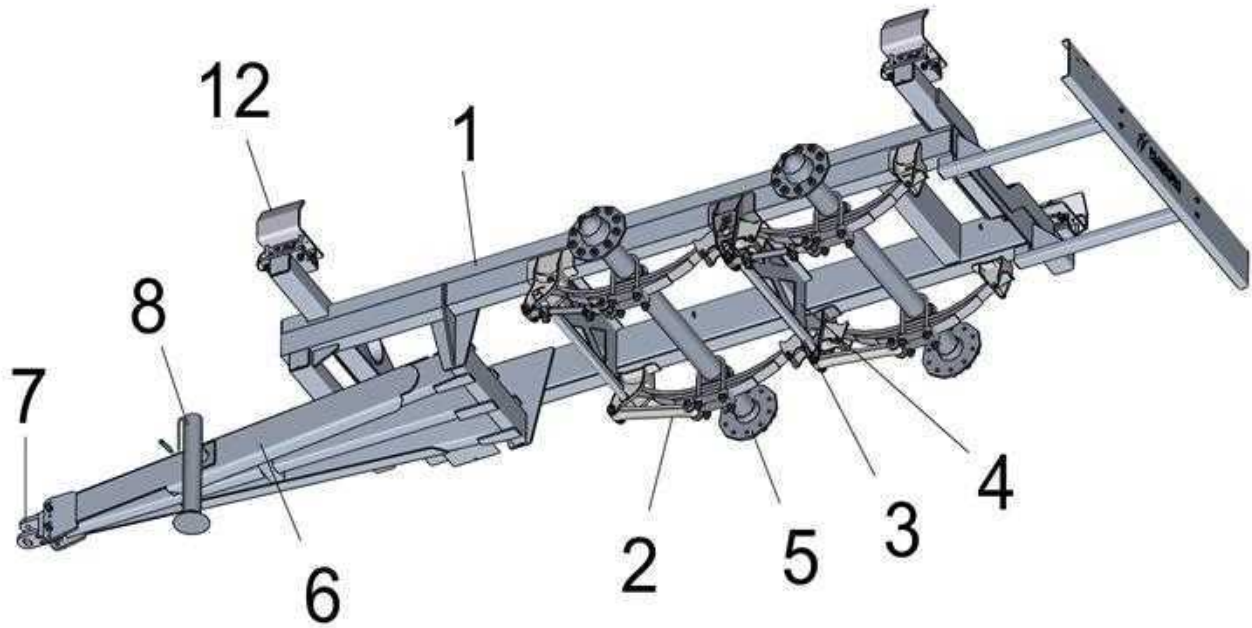
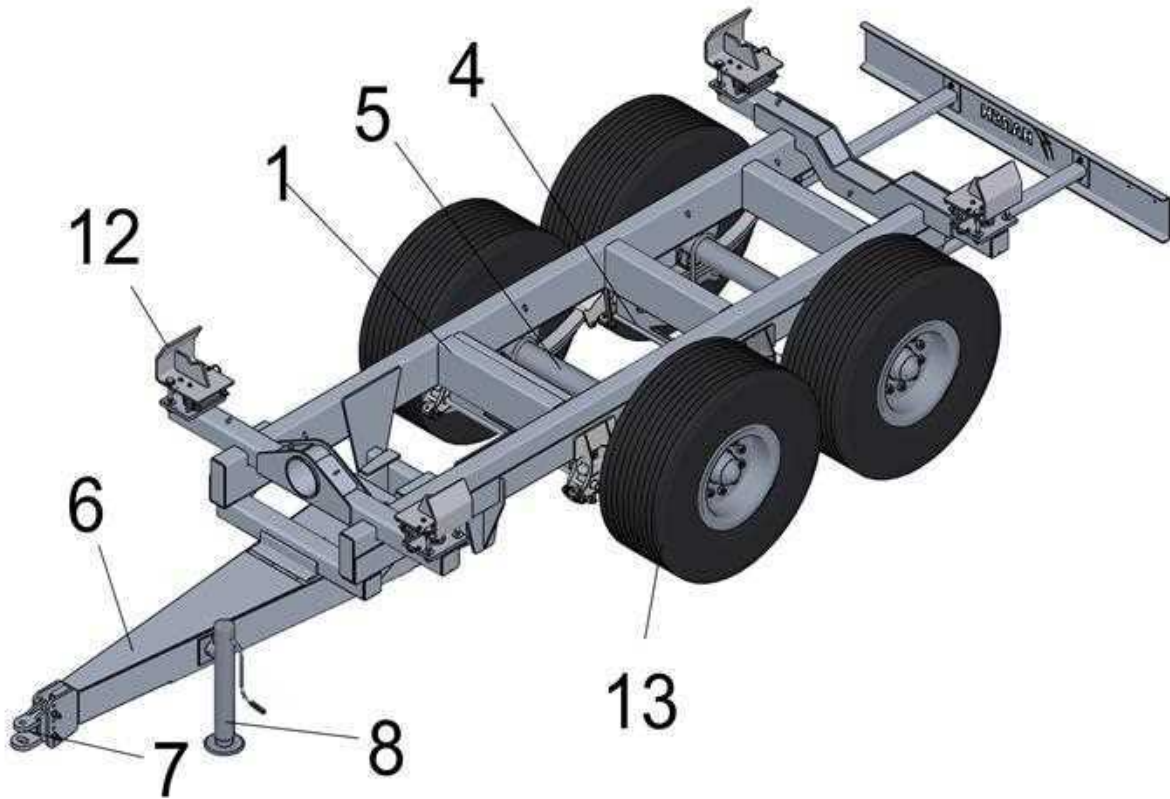
DUALS UP TO 11.00R24.5

P/N - 102588 - TIRE, COMPLETE 16.5 x 22.5 w/10 HOLE WHEEL

P/N - 102583 - AIRPLANE TIRE 44 x 16 w/10 HOLE WHEEL

Trailer Frame & Axle

TRAILER GROUP, 575 - 720 DUAL - A8228



Trailer Frame & Axle

TRAILER GROUP, 575 - 720 DUAL - A8228

#	Part Number	Title	Quantity
1	A21681	TRAILER FRAME ASSEMBLY, 575 - 720 DUAL	1
2	102865	SUSPENSION UNIT, HUTCH CH9700US	2
3	18301	TUBE, SUSPENSION CROSS	2
4	18302	GUSSET, CENTER- 810 TANDEM TRAILER	2
5	101113	AXLE, 10 BUD NO BRAKES 71 1/2 TRACK	2
6	A18317	TRAILER TONGUE ASSY	1
7	A16606	HITCH ASSY, TRAILER	1
8	102349	JACK, HEAVY DUTY W/ LOWERED MOUNT	1
9	101434	SCREW, HX HD CAP 3/4-10 UNC X 6 GR5	2
10	100554	WASHER LOCK, 3/4"	2
11	100658	NUT, HEX 3/4-10 UNC GR5	2
12	A8098	PEDESTAL ASSY (500, 700, 900)	4
13	102588	TIRE, COMP 16 X 22.5 W/ 10 HOLE	4

NOTES:

The Trailer Frame & Axle drawing and parts list shown is used on 630 - 720 mixers. The Tandem Trailer Frame & Axles used on 630 - 810 mixers have different Trailer Frame Assemblies. For more part information, contact your Harsh International dealer or our front desk at (970) 454-2291.

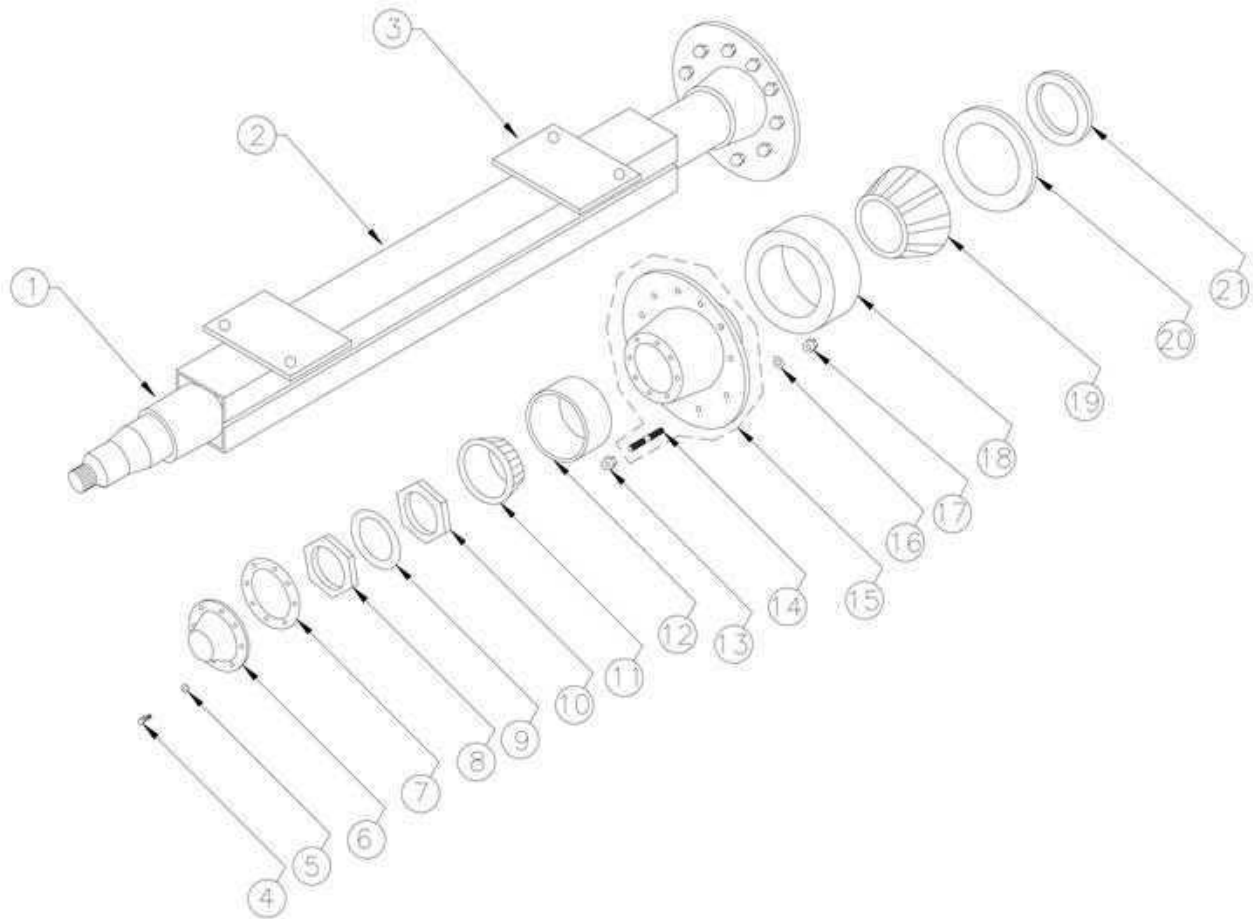
REFERENCE NUMBERS:

TRAILER GROUP, TANDEM 575, 720 - A7861

TRAILER GROUP, TANDEM 720 S.D. - A8058

TRAILER GROUP, 810 DUAL OR TRIPLE - A7865

Trailer Axle

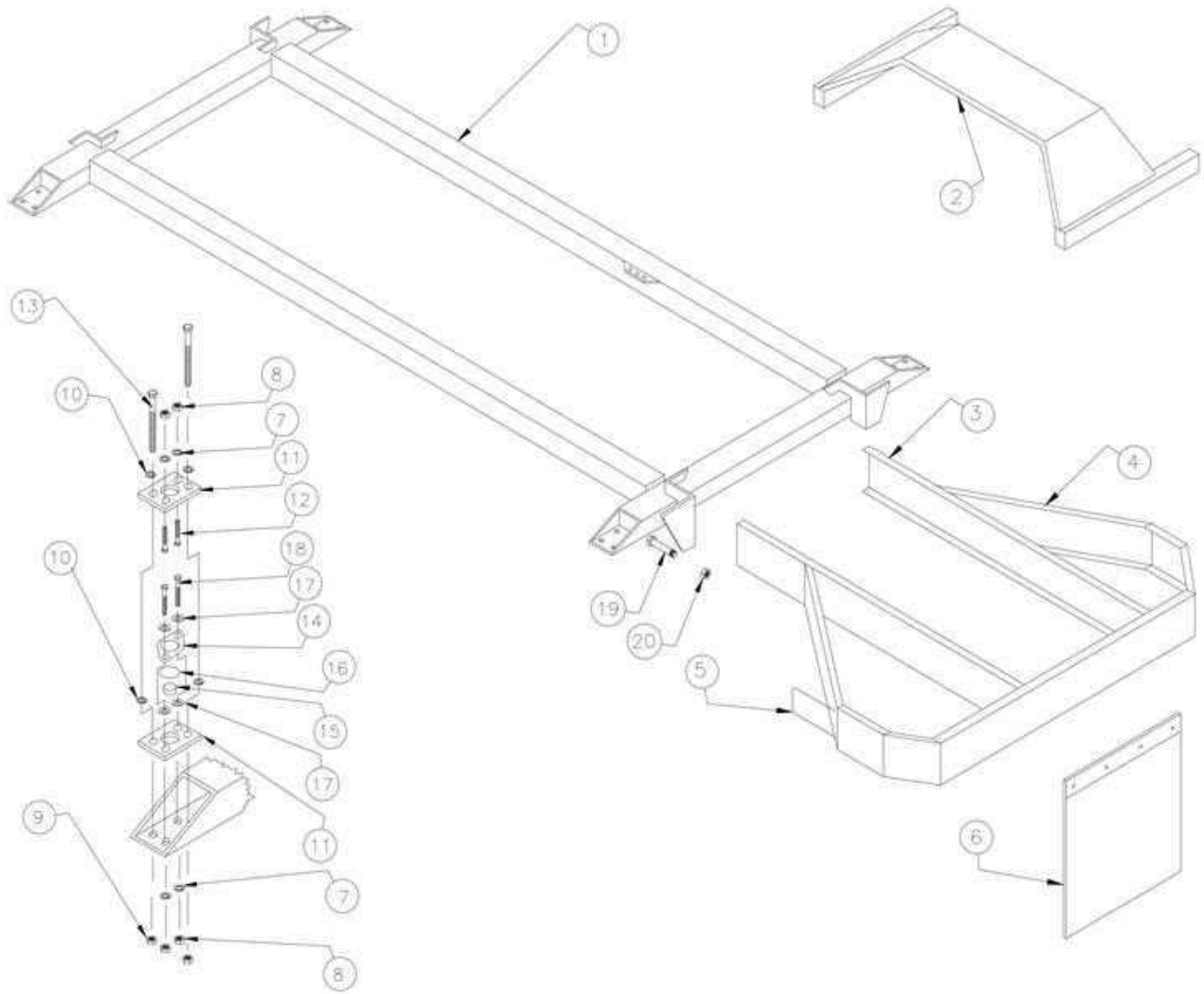


TRAILER AXLE

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
	A15146	1	AXLE, ASSEMBLY	13	102276	10	WHEEL NUT LEFT HAND THREAD
1	102873	1	AXLE	13	102275	10	WHEEL NUT RH THREAD
2	15104	2	CHANNEL, FORMED AXLE CASE	14	102274	10	WHEEL STUD LH THREAD
3	15107	2	PLATE, AXLE MOUNT	14	102273	10	WHEEL STUD RH THREAD
4	102272	12	SCREW	*15	102279	1	HUB LEFT SIDE
5	102904	12	LOCK WASHER	*15	102280	1	HUB RIGHT SIDE
6	102270	2	HUB CAP	16	102278	20	LOCK WASHER
7	102271	2	HUB GASKET	17	102277	20	NUT
8	102268	2	SPINDLE NUT OUTSIDE	18	102264	2	BEARING CUP INSIDE
9	102269	2	SPINDLE WASHER	19	102263	2	BEARING CONE INSIDE
10	102267	2	SPINDLE NUT INSIDE	20	102262	2	SEAL, W/SEAL RING
11	102265	2	BEARING CONE OUTSIDE	21	NSS	2	SEAL RING
12	102266	2	BEARING CUP OUTSIDE				

NOTE: *15 INCLUDES 12, 14, 16, 17, 18.
 LEFT SIDE HUB USES LEFT HAND THREADS AND RIGHT SIDE HUB USES RIGHT HAND THREADS.
 NSS - NOT SOLD SEPARATELY

Sub Frame - Truck



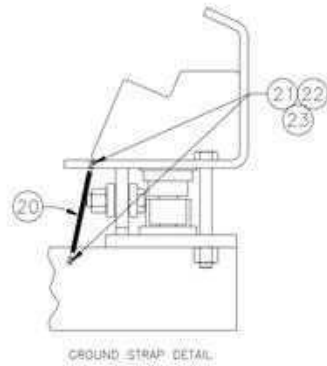
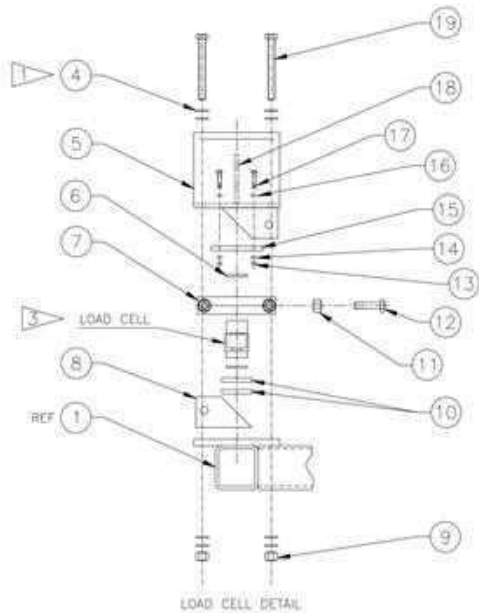
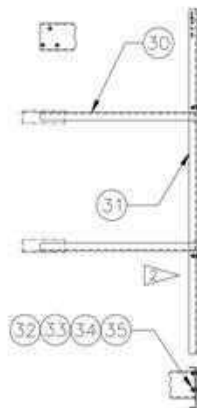
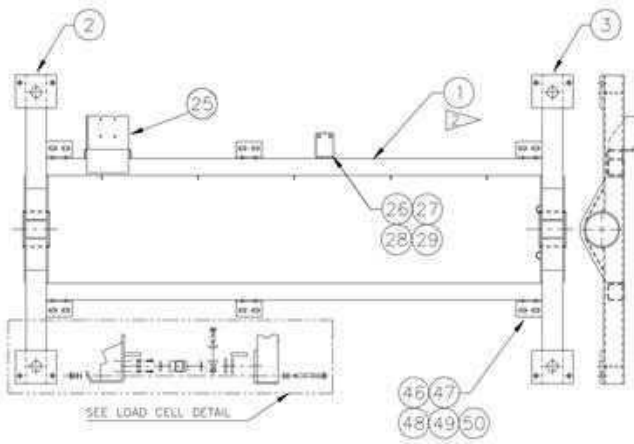
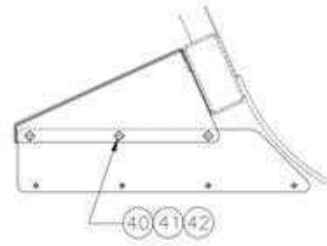
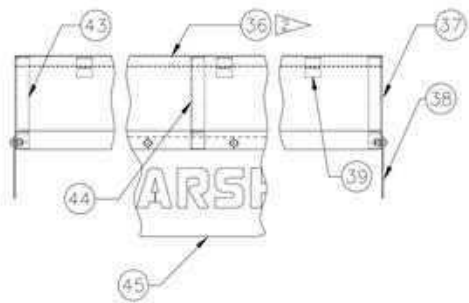
SUB FRAME TRUCK

ITEM	PART #	QTY	DESCRIPTION
1	-	1	SUB FRAME (SPECIAL ORDER ONLY)
2	A14935	2	FENDER, STANDARD
3	15063	2	CHANNEL, BUMPER EXTENSION
4	A16259	1	BUMPER ASSEMBLY
5	16353	1	STEP
6	100312	2	MUD FLAPS
7	100273	8	LOCK WASHER
8	100248	8	NUT
9	101009	4	NUT
10	100663	8	FLAT WASHER

ITEM	PART #	QTY	DESCRIPTION
11	14898	8	SCALE PLATE
12	100321	8	SCREW
13	100580	4	SCREW
*14	16109	4	LOAD CELL LOCK RING
15	102220	8	URETHANE SHOCK DISK
*16	100156	4	O-RING
17	100179	8	FLAT WASHER
18	102249	8	SCREW
19	A17356	8	BOLT, ADJUSTING
20	100252	8	NUT, LOCK

NOTE: FOR UNITS WITH SERIAL NUMBERS ABOVE (63HB8000, 72HB8000, 81HB8000), PLEASE REFER TO PAGE 20-21.

Sub Frame - Truck



- 1 ADD WASHERS AS NEEDED TO ALLOW ADJUSTMENT OF NUT TO WITHIN 1/32" OF SCALE PLATE.
- 2 USED ON ALL UNITS S/N (63HB9000, 72HB9000, 81HB9000) AND ABOVE.
CHECK MIXER IF S/N IS BETWEEN (63HB8000, 72HB8000, 81HB8000) AND (63HB9000, 72HB9000, 81HB9000).
FOR UNITS BELOW S/N (63HB8000, 72HB8000, 81HB8000), PLEASE SEE PARTSBOOK #1028240 - PAGE 8.
- 3 USED ON ALL UNITS S/N (63HC0000, 72HC0000, 81HC0000) AND ABOVE, CHECK MIXER IF S/N IS BETWEEN (63HC0000, 72HC0000, 81HC0000) AND (63HC1000, 72HC1000, 81HC1000).
FOR UNITS BELOW (63HC0000, 72HC0000, 81HC0000), PLEASE SEE PARTSBOOK #1028240 - PAGE 8, 10-11.

Sub Frame - Truck

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	-	1	SUB FRAME (SPECIAL ORDER ONLY)	*26	15629	8	STRAP, SUB-FRAME MOUNT
2	-	1	CROSS TUBE, FR. (SPECIAL ORDER ONLY)	*27	100250	16	NUT
3	-	1	CROSS TUBE, RR. (SPECIAL ORDER ONLY)	*28	100272	16	LOCKWASHER
4	100556	16	FLAT WASHER	*29	100230	16	SCREW
5	A18861	4	LOAD CELL BRACKET	30	A18973	2	BUMPER EXTENSION
6	102220	8	URETHANE SHOCK DISK	31	18972	1	BUMPER, TRUCK
7	18855	8	STABILIZER BAR	32	101444	10	SCREW
8	18847	4	STABILIZER PLATE	33	100838	10	FLAT WASHER
9	101009	8	LOCK NUT	34	100272	10	LOCK WASHER
10	18858	8	LOAD CELL LOCK	35	300826	10	NUT
11	103250	8	LOCK NUT	*36	NPN	2	SLOPED FENDER
12	100367	8	SCREW	*37	18932	2	FENDER CLOSURE (RIGHT)
13	100254	16	NUT	38	18900	4	SHEET, MUD FLAP EXTENSION
14	100271	16	LOCK WASHER	39	18902	6	FENDER KEEPER
15	19499	4	LOAD CELL LOCK PLATE	40	100276	12	SCREW
16	100300	16	FLAT WASHER	41	100271	12	WASHER
17	103248	16	SCREW	42	100254	12	NUT
18	18846	4	LOAD CELL GUSSET	*43	18933	2	FENDER CLOSURE (LEFT)
19	101877	8	SCREW	44	18933	2	FENDER CLOSURE (LEFT) - optional
20	A16362	1	GROUNDING STRAP	45	18917	2	SIDE SHEET
21	100323	2	SCREW	*46	19207	12	SIDE MOUNT PLATE
22	100304	2	LOCK WASHER	*47	100824	12	SCREW
23	100221	2	NUT	*48	100556	24	FLAT WASHER
*24	A7606	1	TIE DOWN KIT(630)	*49	100554	12	LOCK WASHER
*24	A7607	1	TIE DOWN KIT(720, 810)	*50	100252	12	NUT
25	A18267	1	HYD. PUMP MNT. ASSY - optional				

NOTE: *24 INCLUDES ITEMS *26, *27, *28, & *29. PLEASE SPECIFY MIXER MODEL NUMBER.

*24, *26, *27, *28, *29 USED ON UNITS UP TO S/N (63HC0000, 72HC0000, 81HC0000), CHECK MIXER IF S/N IS BETWEEN (63HC0000, 72HC0000, 81HC0000) AND (63HC0001, 72HC0001, 81HC0001); SEE ITEMS *46 - *50.

*36 - SPECIFY LENGTH WHEN ORDERING.

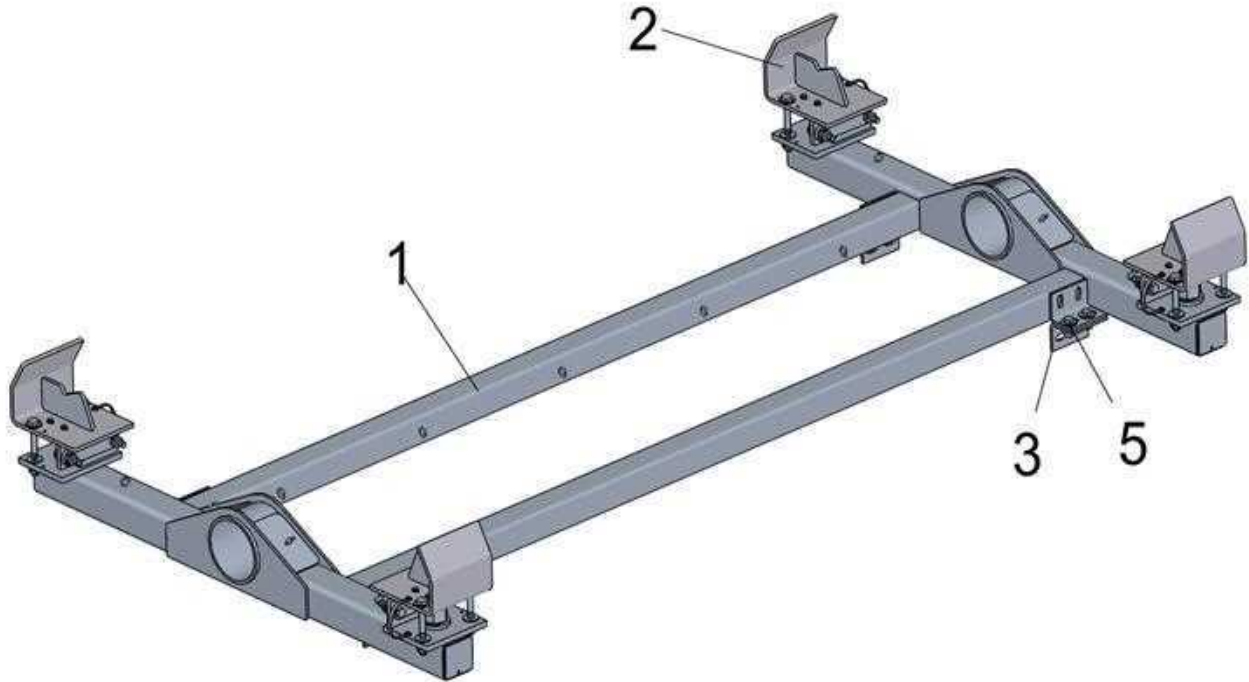
*37, *43 NOT USED ON UNITS ABOVE (63HC0000, 72HC0000, 81HC0000); CHECK MIXER IF S/N IS BETWEEN (63HC0000, 72HC0000, 81HC0000) AND (63HC1000, 72HC1000, 81HC1000). FENDER RETURNS ARE NOW AN INTEGRAL PART OF THE FENDER ASSEMBLY.

*46, *47, *48, *49, *50 - CHECK MIXER. ITEMS *46 - *50 (MOUNT PLATES AND HARDWARE) REPLACE ITEMS *26 - *29 (SUB-FRAME MOUNT STRAP AND HARDWARE) FOR MOST UNITS ABOVE S/N (63HC0000, 72HC0000, 81HC0000).

NPN - NO PART NUMBER

Sub Frame - Truck

SUB-FRAME GROUP, 502-630 HD PTO - A8296



#	Part Number	Title	Quantity
1	A22241	SUB FRAME ASS'Y, 502- 630 HD PTO	1
2	A8098	PEDESTAL ASSY (500, 700, 900)	4
3	19207	SIDE MOUNT PLATE	4
4	100556	WASHER, 3/4 FLAT	16
5	100824	SCREW, HX HD CAP 3/4-16 UNF X 2 GR5	8
6	100554	WASHER LOCK, 3/4"	8
7	100252	NUT, HEX 3/4-16 UNF	8

NOTE: The PTO Sub Frame drawing and parts list shown is used on 630 mixers. The PTO Sub Frames used on 700's series mixers have differing frame sizes. For more part information, contact your Harsh International dealer or our front desk at (970) 454-2291.

SUB FRAME GROUP (5X5) 630 S.D. LOAD CELL - A7981

SUB FRAME GROUP 502H 630 LOAD CELL - A7855

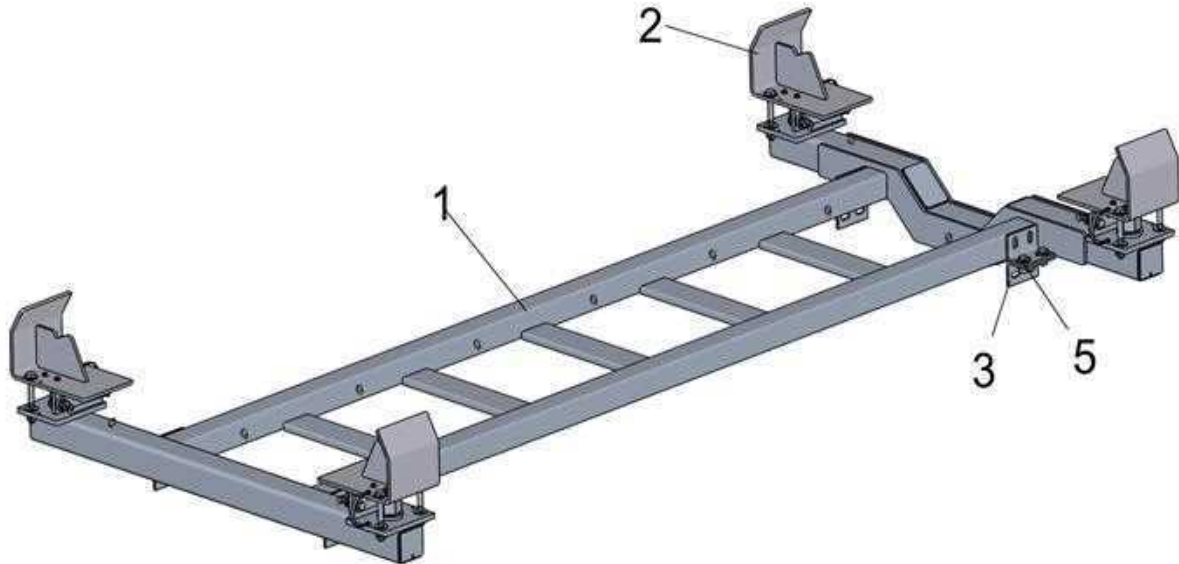
SUB FRAME GROUP (5X5) 720 S.D. LOAD CELL - A7982

SUB FRAME GROUP, LOAD CELL, 575, 720 - A8232

SUB FRAME GROUP 810 SD (LOAD CELL) - A8256

Sub Frame - Truck

SUB-FRAME GROUP, 720 HYDRO - TALL PEDESTALS - A8584



#	Part Number	Title	Quantity
1	A21551	SUB FRAME ASS'Y 575 HYDRO H.D.	1
2	A8246	PEDESTAL GROUP - TALL	4
3	19207	SIDE MOUNT PLATE	4
4	100556	WASHER, 3/4 FLAT	16
5	100824	SCREW, HX HD CAP 3/4-16 UNF X 2 GR5	8
6	100554	WASHER LOCK, 3/4"	8
7	100252	NUT, HEX 3/4-16 UNF	8

NOTE: The Hydro Sub Frame drawing and parts list shown is used on 720 mixers. The Hydro Sub Frames used on 700's series mixers have differing frame sizes. For more part information, contact your Harsh International dealer or our front desk at (970) 454-2291.

SUB FRAME GROUP, 5X5, LOAD CELL, HYDRO, 630SD - A7983

SUB FRAME GROUP, 5X5, LOAD CELL, HYDRO, 720SD - A7984

SUB FRAME GROUP, 5X5, LOAD CELL, HYDRO, 5" HIGH, 720 - A8241

SUB FRAME GROUP, 5X5, LOAD CELL, HYDRO, 720, OLD STYLE - A8211

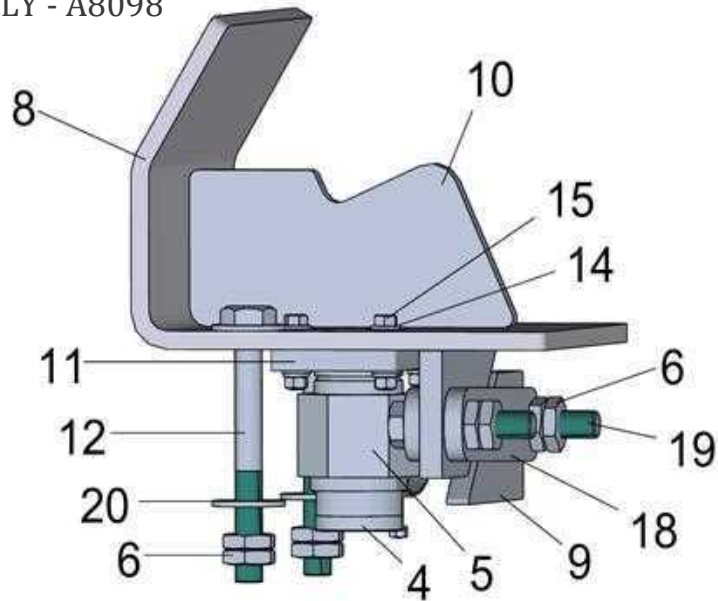
SUB FRAME GROUP, LOAD CELL, HYDRO, 810, 5" HIGHER - A8242

SUB FRAME GROUP, 5X5, LOAD CELL, HYDRO 810SD, OLD STYLE - A8230

SUB FRAME GROUP - HYDRO (810SD) - TALL PEDESTALS - A8578

Pedestals

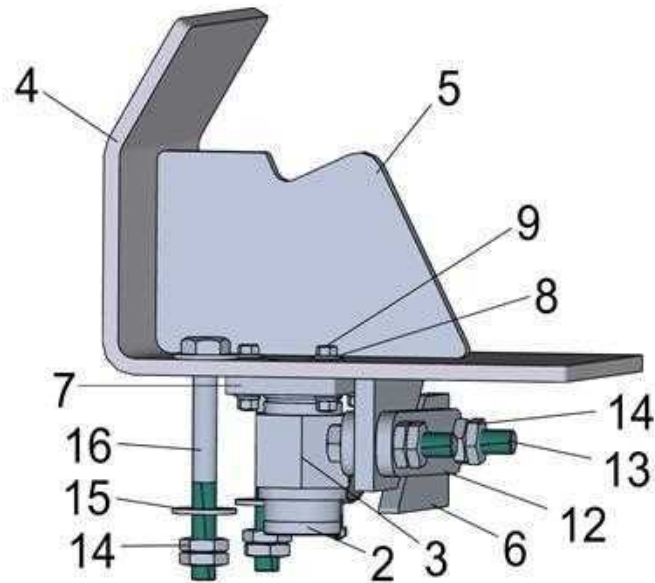
PEDESTAL ASSEMBLY - A8098



#	Part Number	Title	Quantity
1	100304	WASHER, LOCK 1/4 CADMIUM PLATED	2
2	100221	NUT, HEX, 1/4-20 UNC GR 5	2
3	20491	SHIM, LOAD CELL	1
4	102220	URETHANE SHOCK DISK	2
5	101621N	LOAD CELL	1
6	103351	NUT, HEX JAM 3/4-10 UNC	8
7	100443	WASHER FLAT, 1/4"	2
8	18857	PLATE, UPPER LOAD CELL	1
9	18847	PLATE, STABILIZER	2
10	18846	GUSSET, LOAD CELL	1
11	19499	PLATE, LOAD CELL LOCK	1
12	101877	SCREW, HX HD CAP 3/4-10 UNC X 7	2
13	100710	SCREW, HX HD CAP 1/4-20 X 1 1/4	2
14	100300	WASHER, FLAT 3/8" USS	8
15	103248	SCREW, HX HD CAP 3/8-16 X 1 3/4	4
16	100271	WASHER, LOCK 3/8"	4
17	100254	NUT, HEX 3/8 -16 UNC GR 5	4
18	18855	BAR, STABILIZER	2
19	100367	SCREW, HX HD CAP 3/4-16 X 3 1/2	2
20	100556	WASHER, 3/4 FLAT	4
21	16363	CABLE, GROUNDING FLAT BRAID	1

Pedestals

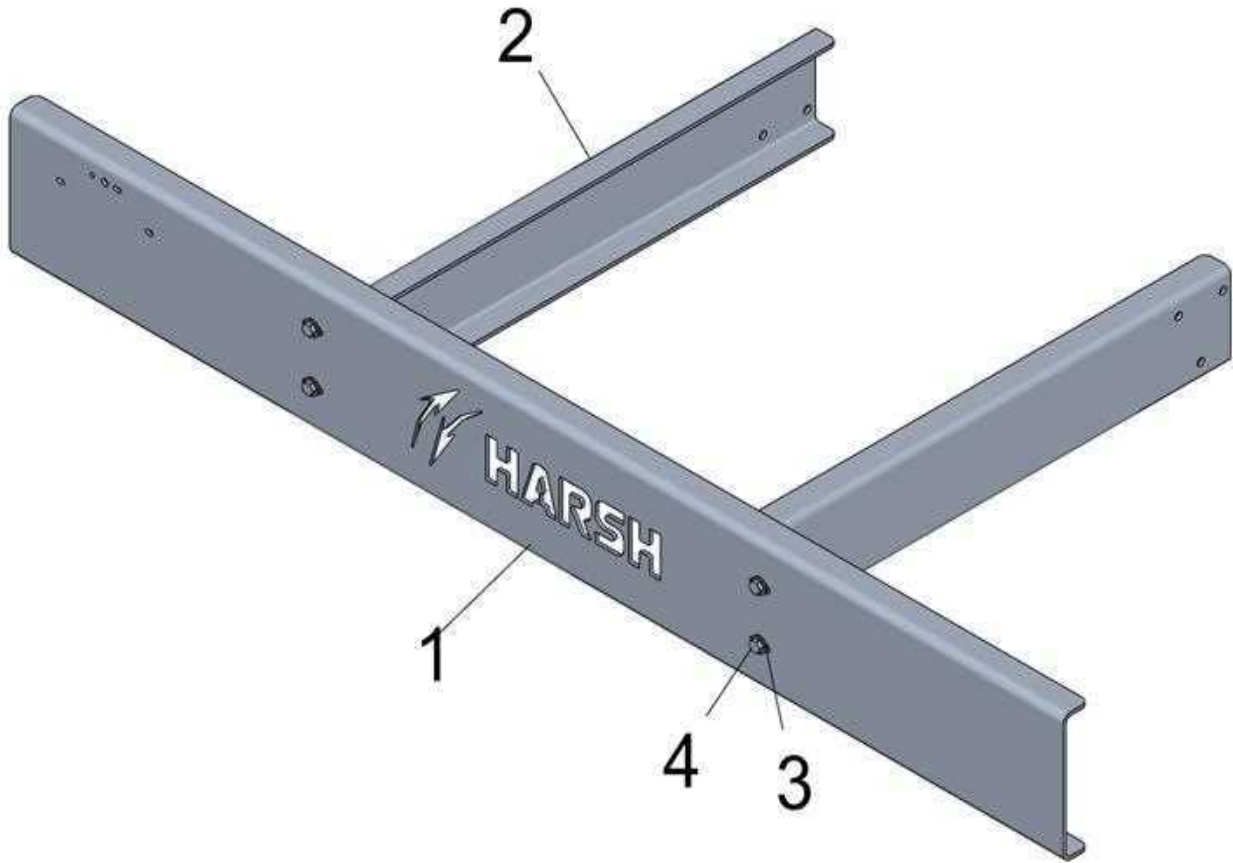
PEDESTAL GROUP - TALL - A8246



#	Part Number	Title	Quantity
1	20491	SHIM, LOAD CELL	1
2	102220	URETHANE SHOCK DISK	2
3	101621N	LOAD CELL	1
4	21892	PLATE, UPPER LOAD CELL (TALL)	1
5	21891	GUSSET, LOAD CELL (TALL)	1
6	18847	PLATE, STABILIZER	2
7	19499	PLATE, LOAD CELL LOCK	1
8	100300	WASHER, FLAT 3/8" USS	8
9	103248	SCREW, HX HD CAP 3/8-16 X 1 3/4	4
10	100271	WASHER, LOCK 3/8"	4
11	100254	NUT, HEX 3/8 -16 UNC GR 5	4
12	18855	BAR, STABILIZER	2
13	100367	SCREW, HX HD CAP 3/4-16 X 3 1/2	2
14	103351	NUT, HEX JAM 3/4-10 UNC	8
15	100556	WASHER, 3/4 FLAT	4
16	101877	SCREW, HX HD CAP 3/4-10 UNC X 7	2
17	16363	CABLE, GROUNDING FLAT BRAID	1
18	100443	WASHER FLAT, 1/4"	2
19	100710	SCREW, HX HD CAP 1/4-20 X 1 1/4	2
20	100304	WASHER, LOCK 1/4 CADMIUM PLATED	2
21	100221	NUT, HEX, 1/4-20 UNC GR 5	2

Bumper

BUMPER GROUP, TRUCK - A7879



#	Part Number	Title	Quantity
1	18972	BUMPER, TRUCK	1
2	A18973	BUMPER EXTENSION ASSY	2
3	100838	WASHER, 1/2 FLAT	8
4	101444	SCREW, HX HD CAP 1/2-13UNC x 1 1/2 GR5	4
5	100272	WASHER, 1/2 LOCK	4
6	300826	NUT, HEX 1/2-13 UNC GR 5	4

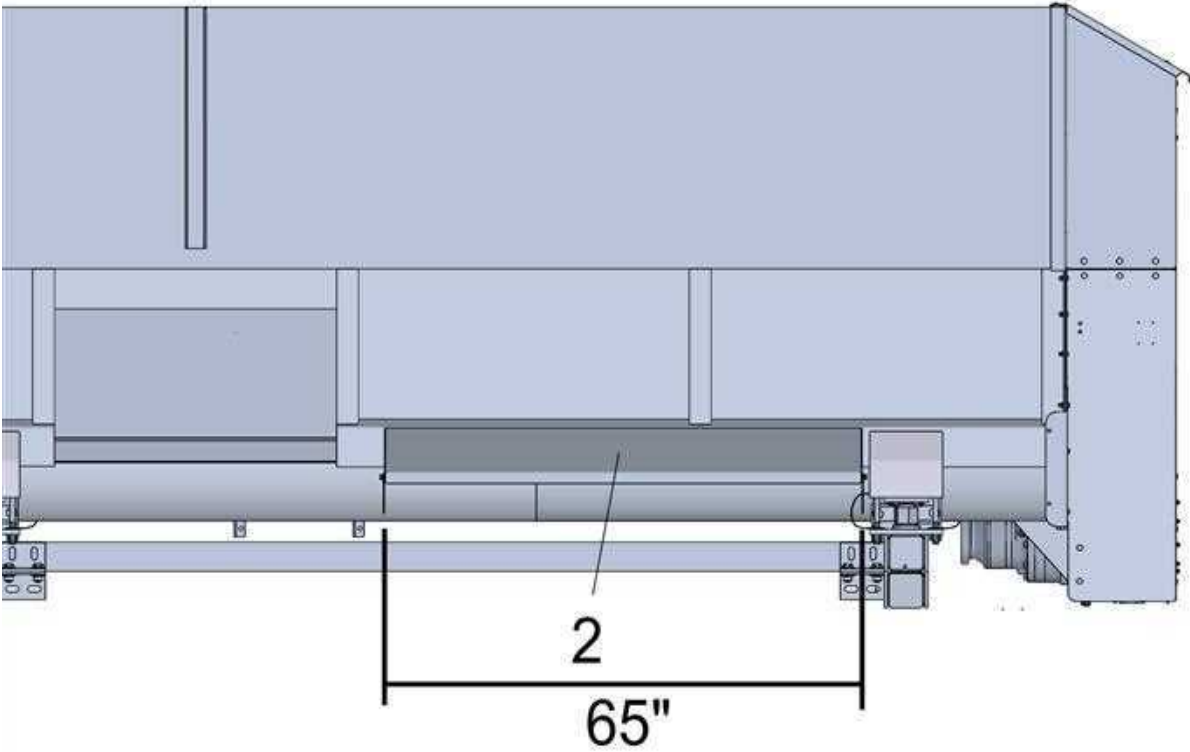
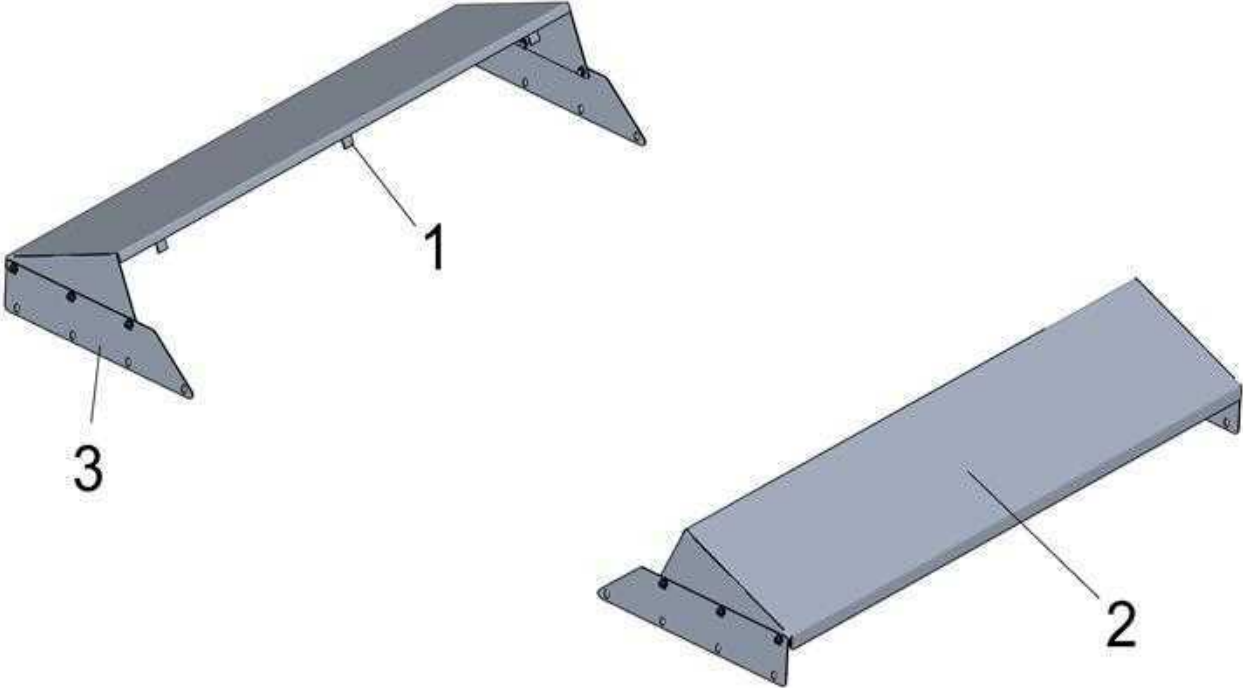
NOTE:

The bumper drawing and parts list shown is used on 630 and 720 mixers. The other bumper used on 700's mixers has different bumper extension arms. For more part information, contact your Harsh International dealer or our front desk at (970) 454-2291.

BUMPER GROUP, 810SD TRUCK - A7959

Fenders

FENDER GROUP, 65" LG REG WIDTH - A8290



Fenders

FENDER GROUP, 65" LG REG WIDTH - A8290

#	Part Number	Title	Quantity
1	18902	KEEPER, FENDER	6
2	18919	FENDER-65" LG REGULAR WIDTH	2
3	18900	EXTENSION, MUD FLAP	4
4	100276	SCREW, HEX HD 3/8-16 UNC X 3/4 GR2	12
5	100300	WASHER, FLAT 3/8" USS	24
6	100271	WASHER, LOCK 3/8"	9
7	100254	NUT, HEX 3/8 -16 UNC GR 5	12

NOTE:

The 65" long fender drawing and parts list shown is used on 630 mixers. The fenders used on other 700's mixers have different fender lengths. For more part information, contact your Harsh International dealer or our front desk at (970) 454-2291.

Reference numbers:

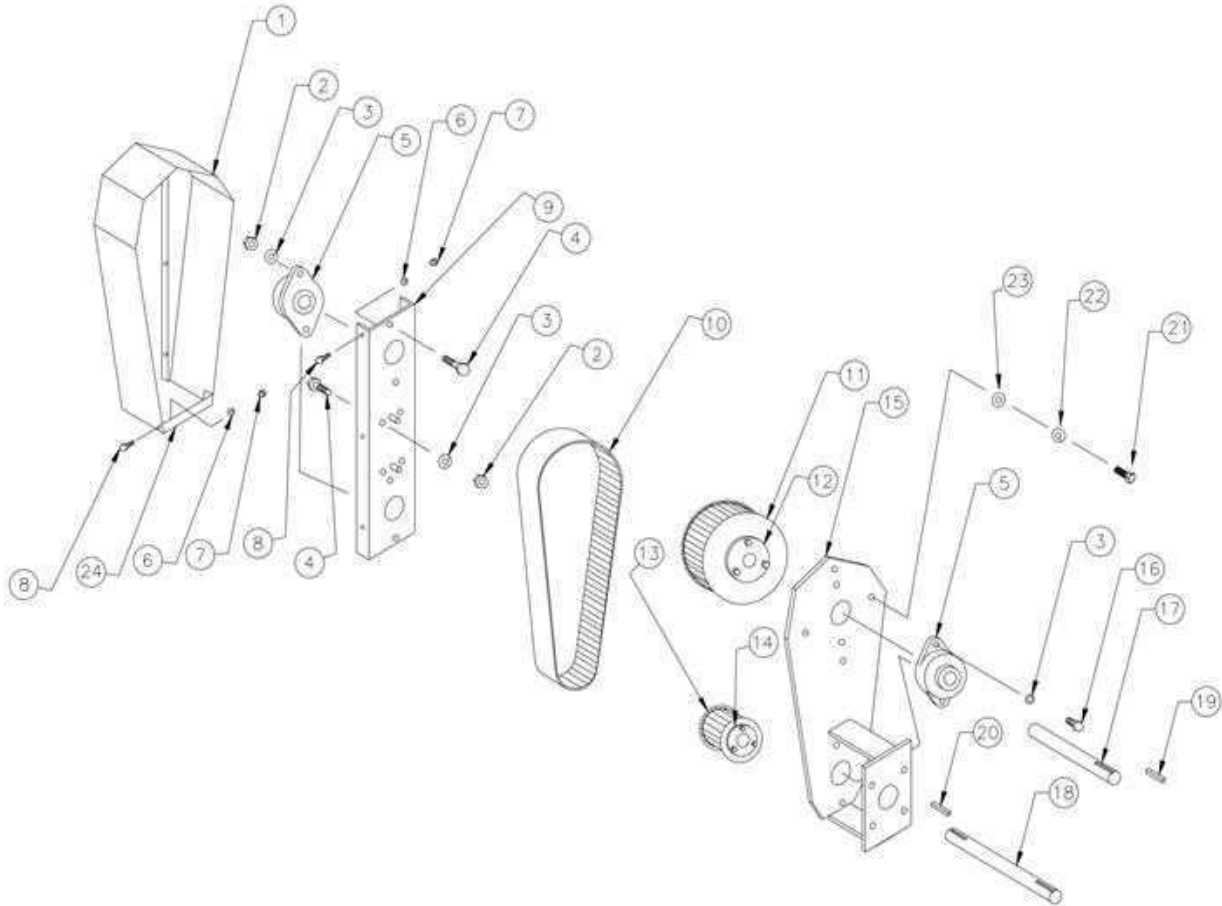
FENDER GROUP, 56" LG, REGULAR WIDTH, TRIPLE, 630 - A8293

FENDER GROUP, 79" LG, REGULAR WIDTH, TRIPLE, 720 - A8263

FENDER GROUP, 89" LG, REGULAR WIDTH, DUAL, 720 - A8292

FENDER GROUP, 103" LG, REGULAR WIDTH, 810 - A18904

GTD



GTD

ITEM PART # QTY DESCRIPTION

	A9678	1	GTD ASS'Y (16")
	A9677	1	GTD ASS'Y (19 1/4")
	A9676	1	GTD ASS'Y (22 3/4")
1	A15045	1	COVER ASSEMBLY (16" GTD)
1	A15588	1	COVER ASSEMBLY (19 1/4" GTD)
1	A17151	1	COVER ASSEMBLY (22 3/4" GTD)
2	300826	4	NUT
3	100272	14	LOCK WASHER
4	101444	4	SCREW
5	302071	4	BEARING
6	100304	8	LOCK WASHER (16" GTD)
6	100304	10	LOCK WASHER (19 1/4" GTD)
6	100304	12	LOCK WASHER (22 3/4" GTD)
7	100221	8	NUT (16" GTD)
7	100221	10	NUT (19 1/4" GTD)
7	100221	12	NUT (22 3/4" GTD)
8	101819	8	SCREW (16" GTD)
8	101819	10	SCREW (19 1/4" GTD)
8	101819	12	SCREW (22 3/4" GTD)
9	15042	1	CHANNEL, FORMED (16" GTD)
9	15802	1	CHANNEL, FORMED (19 1/4" GTD)
9	17138	1	CHANNEL, FORMED (22 3/4" GTD)

ITEM PART # QTY DESCRIPTION

10	102021	1	POLY CHAIN, (16" GTD)
10	102018	1	POLY CHAIN, (19 1/4" GTD)
10	102520	1	POLY CHAIN, (22 3/4" GTD)
*11	102020	1	SPROCKET
*12	101734	1	BUSHING
*13	102019	1	SPROCKET
*14	101730	1	BUSHING
15	A17494	1	BACK ASS'Y (16")
15	A17535	1	BACK ASS'Y (19 1/4")
15	A17537	1	BACK ASS'Y (22 3/4")
16	101817	4	SCREW
*17	14682	1	SHAFT, TOP
*18	14679	1	SHAFT, BOTTOM
*19	14717	1	KEY
*20	34890	1	KEY
21	102853	4	SCREW
22	100272	4	LOCK WASHER
23	100838	4	FLAT WASHER
24	16343	1	COVER TIGHTENER (16" GTD)
24	16471	1	COVER TIGHTENER (19 1/4" & 22 3/4" GTD)

NOTE: THE BELT WIDTH IS 1 1/2 INCHES.

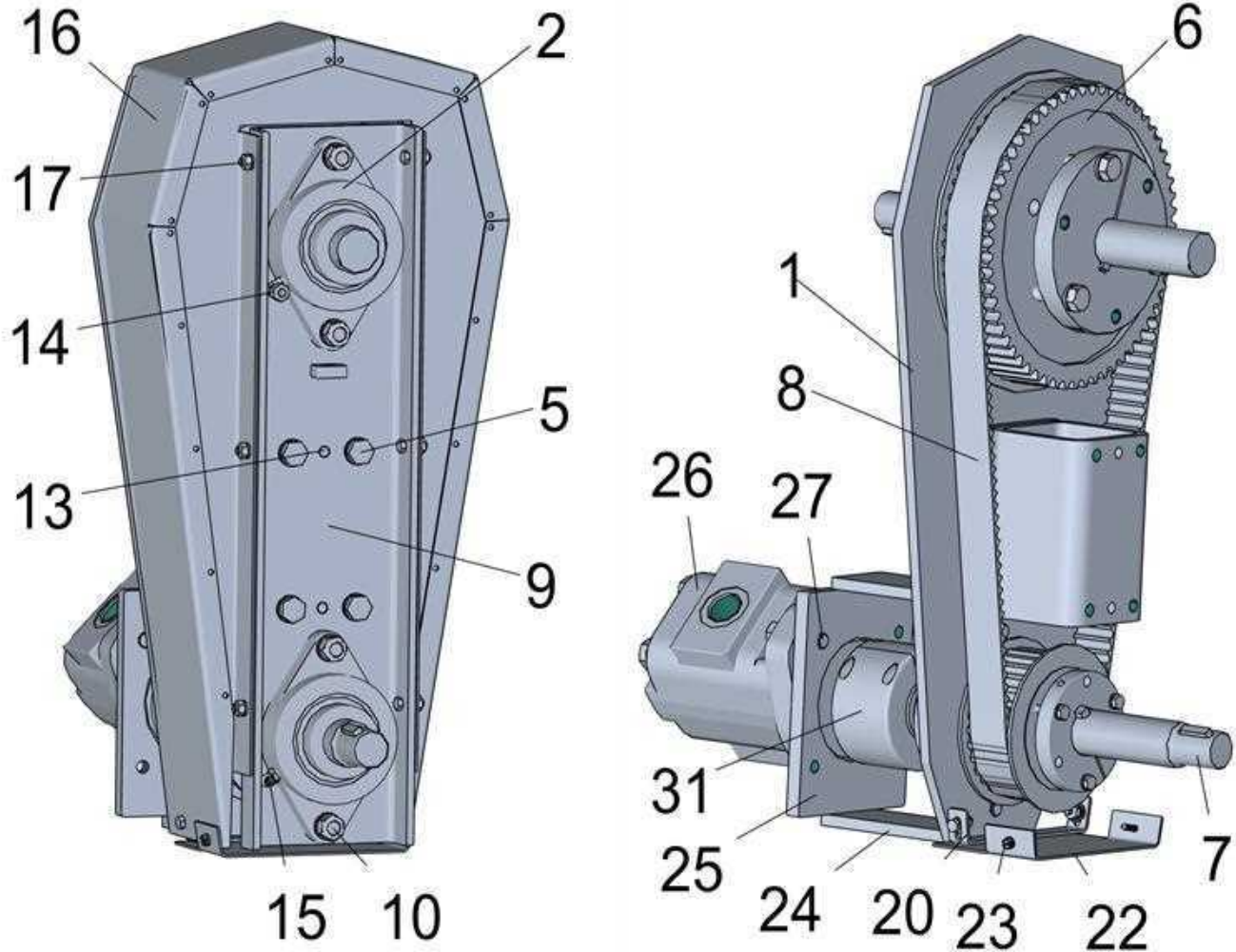
THE GTD IS MEASURED CENTER TO CENTER OF TOP AND BOTTOM SHAFTS.

*13, *14, *18 & *20 CAN BE ORDERED AS A17155 SPROCKET ASSEMBLY.

*11, *12, *17, *19 CAN BE ORDERED AS A17154 SPROCKET ASSEMBLY.

GTD

GTD ASSEMBLY, 37 MM SHORT W/O MNT RING - A17493



NOTE:

The GTD drawings and parts list shown is for a 37 MM Belt, Short GTD Assembly. For more part information about other styles of GTD, contact your Harsh International dealer or our front desk at (970) 454-2291.

37 MM Belt reference numbers:

Short: A17493, Long 17534, X-Long: A17536

68 MM Belt reference numbers:

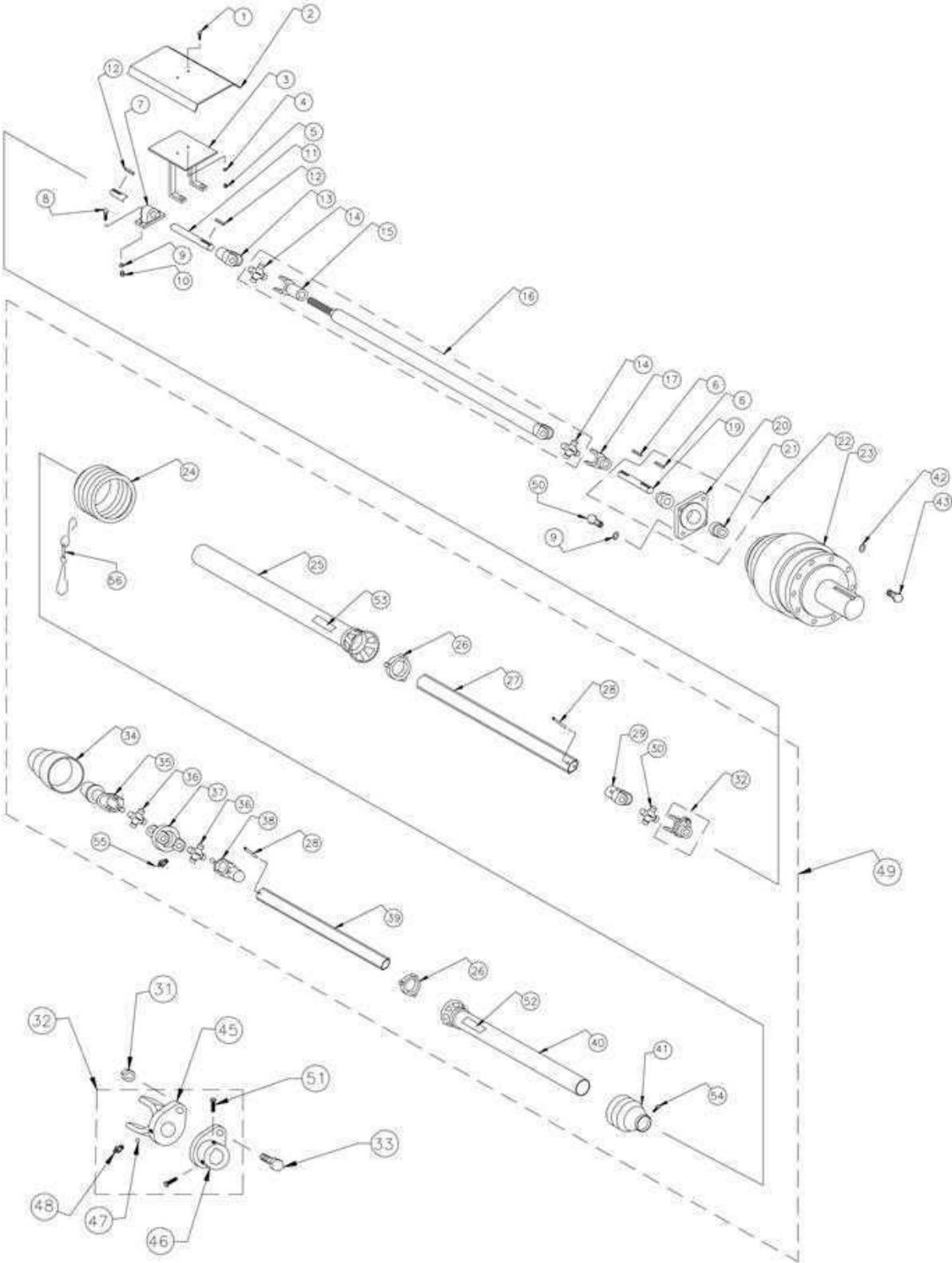
Short: A18223, Long: A18229, X-Long: A18811

GTD

GTD ASSEMBLY, 37 MM SHORT W/O MNT RING - A17493

#	Part Number	Title	Quantity
1	A17494	PLATE ASSY, GTD SHORT	1
2	24675	BEARING, 1 1/2" DIA ECCENTRIC - 5/8 DIA HOLES	4
3	100272	WASHER, 1/2 LOCK	18
4	300902	HEX HEAD BOLT, 1/2-13 X 1-1/4	4
5	101817	SCREW, HX HD CAP 1/2-13 UNC X 1 GR 5	8
6	A17154	SPROCKET ASSY, GTD 14M-56S-37	1
7	A17155	SPROCKET ASSY, GTD 14M-28S-37	1
8	102021	BELT, GTD 14M-1400-37	1
9	A19661	WELDMENT, GTD SHORT	1
10	101444	SCREW, HX HD CAP 1/2-13UNC x 1 1/2 GR5	4
11	100838	WASHER, 1/2 FLAT	4
12	300826	NUT, HEX 1/2-13 UNC GR 5	4
13	101818	PIN, DOWEL 3/8 X 3/4 LG	2
14	102753	FITTING, COMPRESSION, 1/8 NPT 1/4 X 90°	2
15	101005	GREASE FITTING, 90° X 1/8 NPT	2
16	A15045	COVER ASSY, GTD SHORT	1
17	101819	SCREW, HX HD CAP 1/4-20 UNC X 3/4	8
18	100304	WASHER, LOCK 1/4 CADMIUM PLATED	8
19	100221	NUT, HEX, 1/4-20 UNC GR 5	8
20	16343	BRACE, GTD COVER	1
21	100443	WASHER FLAT, 1/4"	2
22	18012	COVER, GTD BOTTOM (SHORT & X-LONG)	1
23	102631	SCREW, SHEET METAL #10 X 3/4	2
24	14716	PLATE, BOTTOM	2
25	14714	PLATE, PUMP MOUNT	1
26	101848	PUMP, P20-14GPM PERMCO	1
27	300889	SCREW, HEX HD CAP 1/2-13 X 1 3/4	2
28	101874	SPROCKET, CHAIN COUPLER, KEY	2
29	19399	KEY, SQ 1/4 X 1 1/16	1
30	101875	CHAIN, 4016 CC	1
31	101876	COVER, CHAIN COUPLER	1
32	19865	KEY, 5/16 SQ. X 2 1/8	1
33	19083	KEY, SQ 5/16 X 1 1/16	1

Drive Line - Trailer



Drive Line - Trailer

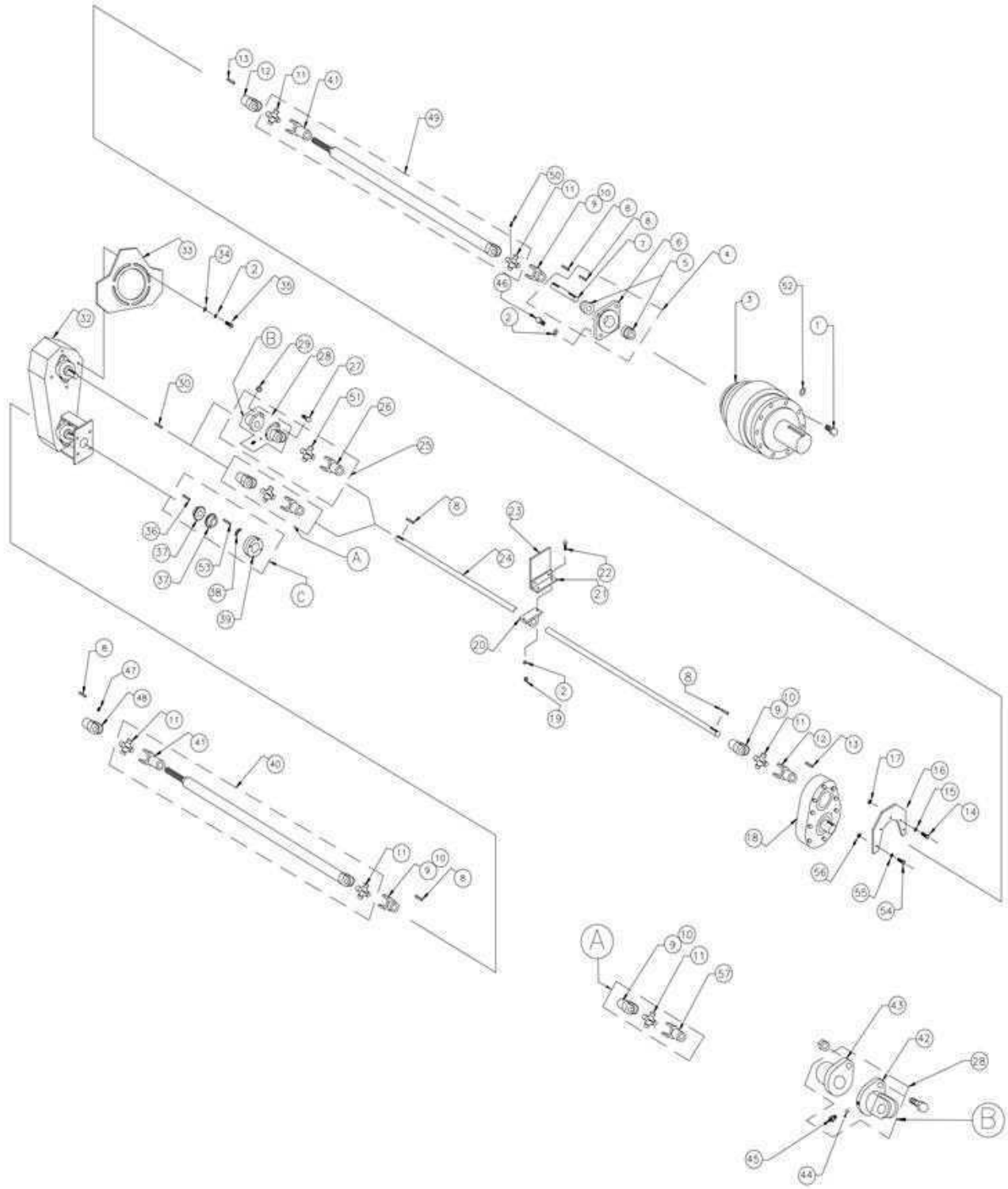
ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	101134	2	SCREW	31	100297	1	NUT
2	13511	1	DRIVE LINE SHIELD	32	102450	1	SHEAR CLUTCH ASSEMBLY
3	A15694	1	SHIELD MOUNT	*33	***	1	SHEAR BOLT
4	100170	2	LOCK WASHER	34	102933	1	CV CONE & BEARING ASS'Y
5	100297	2	NUT	35	102519	1	YOKE, 1000 RPM 20 SPLINE
6	10983	2	KEY	35	102920	1	YOKE, 1000 RPM 21 SPLINE
7	101435	3	BEARING	35	102921	1	YOKE, 540 RPM 6 SPLINE
8	102483	6	SCREW	36	102924	2	CROSS
9	100272	10	LOCK WASHER	37	102922	1	DOUBLE YOKE
10	300826	6	NUT	38	102923	1	INNER YOKE
*11	NPN	1	DRIVE SHAFT - specify model	39	102927	1	PROFILE
12	16339	2	KEY	*40	102930	1	SHIELD TUBE, OUTER
13	100724	1	YOKE	*40	102931	1	SHIELD TUBE, OUTER
14	100785	2	CROSS	41	102934	1	3 RIB CONE
15	100881	1	SLIP YOKE	42	101323	12	WASHER
16	102555	1	DRIVE SHAFT	43	102471	12	SCREW
17	100598	1	YOKE	45	4389	1	SHEAR YOKE
19	15167	1	INPUT ADAPTER SHAFT	46	4392	1	HUB, 1 3/8 DIA.
20	A15170	1	INPUT ADAPTER	47	4391	24	BALL
21	101827	2	BEARING	48	4390	1	ZERK, GREASE
22	A15707	1	INPUT ADAPTER SHAFT ASSEMBLY	49	102448	1	DRIVE SHAFT - 540 RPM
23	102562	1	GEAR BOX PLANETARY 23.1 - 1000 RPM	49	102449	1	DRIVE SHAFT - 1000 RPM 21 SPLINE
23	102468	1	GEAR BOX PLANETARY 14.1 - 540 RPM	49	A17361	1	DRIVE SHAFT - 1000 RPM 20 SPLINE
24	102935	1	6 RIB CONE	50	101444	4	SCREW
25	102932	1	SHIELD TUBE, INNER	51	103340	2	SET SCREW
26	102058	2	BEARING RING	52	102066	1	DECAL, OUTER IN
27	102928	1	PROFILE	53	102067	1	DECAL, INNER IN
28	102925	2	SPRING PIN	54	102064	8	SCREW (CV CONE)
29	102929	1	INNER YOKE	55	102050	1	GREASE ZERK
30	102926	1	CROSS	56	102065	1	SAFETY CHAIN

NOTE: *11 WHEN ORDERING MEASURE LENGTH AND DIAMETER.
 *33 SEE CHART BELOW TO DETERMINE SHEAR BOLT USED.
 *40 SHIELD TUBE #(388476) IS USED ON DRIVE LINE #102448.
 *40 SHIELD TUBE #(388477) IS USED ON DRIVE LINE #102449.
 NPN - NO PART NUMBER

MIXER	PTO	PART #	GRADE	SHEAR POINT
630-720-810- TRAILER	540 RPM	100356	GRADE-5	SHANK
630 TRAILER	1000 RPM	102571	GRADE-2	SHANK
720-810 TRAILER	1000 RPM	102572	GRADE-5	THREADS

Drive Line - Truck

W/ 23:1 GEAR BOX WITH REVERSER



Drive Line - Truck

W/ 23:1 GEAR BOX WITH REVERSER

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	102471	9	SCREW	30	16646	1	KEY
2	100272	16	LOCK WASHER	*32	A9678	1	GTD 16"
3	102562	1	GEAR BOX 23:1	*32	A9677	1	GTD 19 1/4"
4	A15707	1	INPUT ADAPTER SHAFT ASS'Y	*32	A9676	1	GTD 22 3/4"
5	101827	2	BEARING W/ LOCK COLLAR	*33	18322	1	GTD HANGER
6	A15170	1	INPUT ADAPTER ASS'Y	34	100838	4	FLAT WASHER
7	15167	1	INPUT ADAPTER SHAFT	35	102853	4	SCREW
8	10983	6	KEY	36	18438	1	KEY
9	100598	4	YOKE, BOLT ON	37	101874	2	SPROCKET, CHAIN COUPLER
10	100882	4	U-BOLT KIT	38	101875	1	CHAIN
11	100785	5	CROSS	39	101876	1	CHAIN COUPLER COVER
12	101867	2	YOKE, SNAP RING	40	100884	1	DRIVE SHAFT ASS'Y UNWELDED
13	16339	2	KEY	41	100881	1	YOKE, SPLINED
14	102494	4	SCREW	42	4389	1	YOKE, SHEAR BOLT
15	100170	4	LOCK WASHER	43	4393	1	HUB, SHEAR BOLT
16	15060	1	PLATE, GEAR BOX HANGER - WELD ON	44	4391	24	BALLBEARING
17	100297	4	NUT	45	4390	1	GREASE ZERK
18	102225	1	REVERSER, GEAR BOX 1:1	46	101444	4	SCREW
19	300826	12	NUT	47	100241	2	SET SCREW
20	100055	3	BEARING	48	16391	1	YOKE
21	15180	3	ANGLE BEARING	49	102116	1	DRIVE SHAFT ASS'Y WELDED
22	102482	12	SCREW	50	102366	1	GREASE ZERK
23	15178	1	HANGER 4 3/4" x 7"	51	102057	1	CROSS
23	15179	1	HANGER 6" x 7"	52	101323	9	WASHER
*24	NPN	1	DRIVE LINE	53	NPN	1	KEY (391-1781-021)
*25	102388	1	SHEAR CLUTCH W/ CROSS & YOKE	54	101661	1	SCREW
26	4485	1	YOKE	55	100271	1	LOCK WASHER
*27	***	1	SHEAR BOLT	56	100254	1	NUT
*28	102331	1	SHEAR CLUTCH	57	100599	1	YOKE
29	102574	1	NUT				

NOTE: *32 GTD MEASURED LENGTH IS FROM CENTER TO CENTER OF SHAFTS.

*24 WHEN ORDERING MEASURE LENGTH AND DIAMETER.

*25 & *28 DO NOT INCLUDE ITEMS *27 & *29.

*27 REVIEW CHART TO DETERMINE SHEAR BOLT USED.

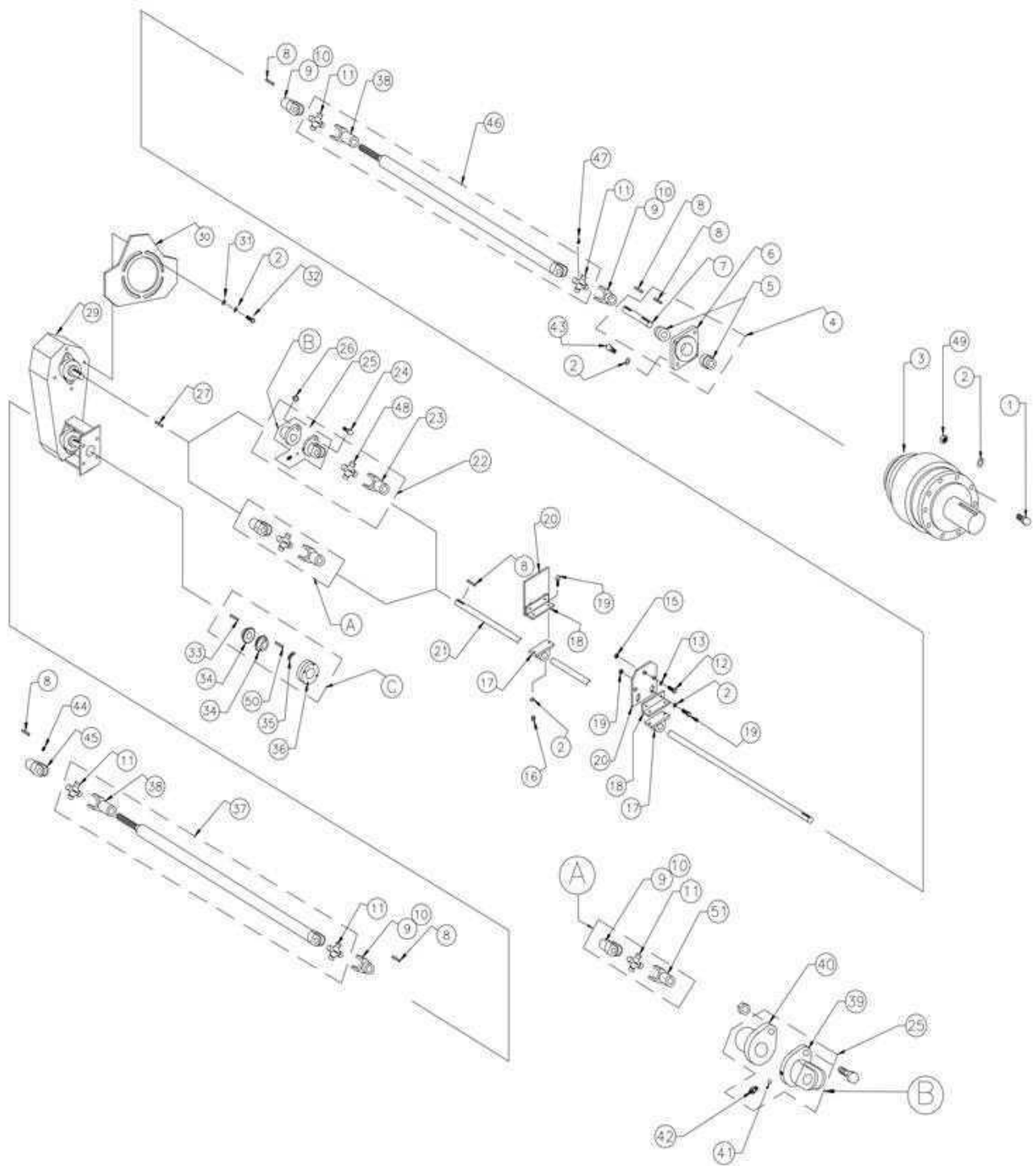
*33 - THE GTD MOUNT PLATE IS NOW AN INTEGRAL PART OF THE FRONT END BOTTOM SHEET (P/N 18738) FOR MOST UNITS ABOVE S/N (630HC0000, 720HC0000, 810HC0000). VERIFY TYPE (WELD-ON OR FRONT END BOTTOM SHEET) WHEN ORDERING REPLACEMENT.

NPN - NO PART NUMBER

MIXER	PART #	GRADE	SHEAR POINT
630 TRUCK	102571	GRADE-2	SHANK
720-810 TRUCK	102572	GRADE-5	THREADS

Drive Line - Truck

W/ 23:1 GEAR BOX, W/O REVERSER



Drive Line - Truck

W/ 23:1 GEAR BOX W/O REVERSER

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	102471	9	SCREW	*29	A9678	1	GTD 16"
2	100272	16	LOCK WASHER	*29	A9677	1	GTD 19 1/4"
3	102562	1	GEAR BOX 23:1	*29	A9676	1	GTD 22 3/4"
4	A15707	1	INPUT ADAPTER SHAFT ASS'Y	*30	18322	1	GTD HANGER
5	101827	2	BEARING W/ LOCK COLLAR	31	100838	4	FLAT WASHER
6	A15170	1	INPUT ADAPTER ASS'Y	32	102853	4	SCREW
7	15167	1	INPUT ADAPTER SHAFT	33	18438	1	KEY
8	10983	6	KEY	34	101874	2	SPROCKET, CHAIN COUPLER
9	100598	4	YOKE, BOLT ON	35	101875	1	CHAIN
10	100882	4	U-BOLT KIT	36	101876	1	CHAIN COUPLER
11	100785	4	CROSS	37	100884	1	DRIVE SHAFT ASS'Y UNWELDED
12	100692	3	SCREW	38	100881	2	YOKE, SPLINED
13	100271	3	LOCK WASHER	39	4389	1	YOKE, SHEAR BOLT
15	100254	3	NUT	40	4382	1	HUB, SHEAR BOLT
16	300826	12	NUT	41	4391	24	BALL BEARING
17	100055	3	BEARING	42	4390	1	GREASE ZERK
18	15180	3	ANGLE BEARING MOUNT	43	101444	4	SCREW
19	102482	12	SCREW	44	100241	1	SET SCREW
20	15935	3	HANGER 7 x 7 1/2"	45	16391	1	YOKE
*21	NPN	1	DRIVE LINE	46	102116	1	DRIVE SHAFT ASS'Y WELDED
*22	102388	1	SHEAR CLUTCH W/ CROSS & YOKE	47	102366	1	GREASE ZERK
23	4485	1	YOKE	48	102057	1	CROSS
*24	***	1	SHEAR BOLT	49	100250	12	NUT
*25	102331	1	SHEAR CLUTCH	50	NPN	1	KEY (391-1781-021)
*26	102574	1	NUT	51	100599	1	YOKE
27	16646	1	KEY				

NOTE: *29 GTD MEASURED LENGTH IS FROM CENTER TO CENTER OF SHAFTS.

*21 WHEN ORDERING MEASURE LENGTH AND DIAMETER.

*22 & *25 DO NOT INCLUDE ITEMS *24 & *26.

*24 REVIEW CHART TO DETERMINE SHEAR BOLT USED.

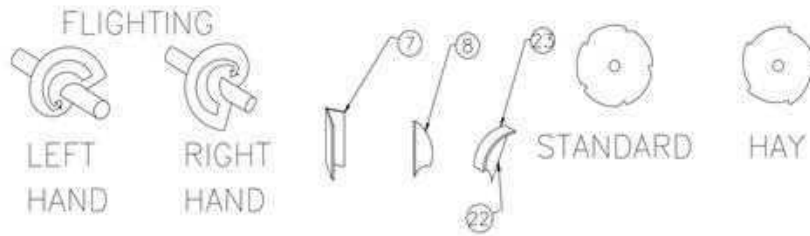
*30 - THE GTD MOUNT PLATE IS NOW AN INTEGRAL PART OF THE FRONT END BOTTOM SHEET (P/N 18738) FOR MOST UNITS ABOVE S/N (630HC0000, 720HC0000, 810HC0000). VERIFY TYPE (WELD-ON OR FRONT END BOTTOM SHEET) WHEN ORDERING REPLACEMENT.

NPN - NO PART NUMBER

MIXER	PART #	GRADE	SHEAR POINT
630 TRUCK	102571	GRADE-2	SHANK
720-810 TRUCK	102572	GRADE-5	THREADS

Auger Assembly

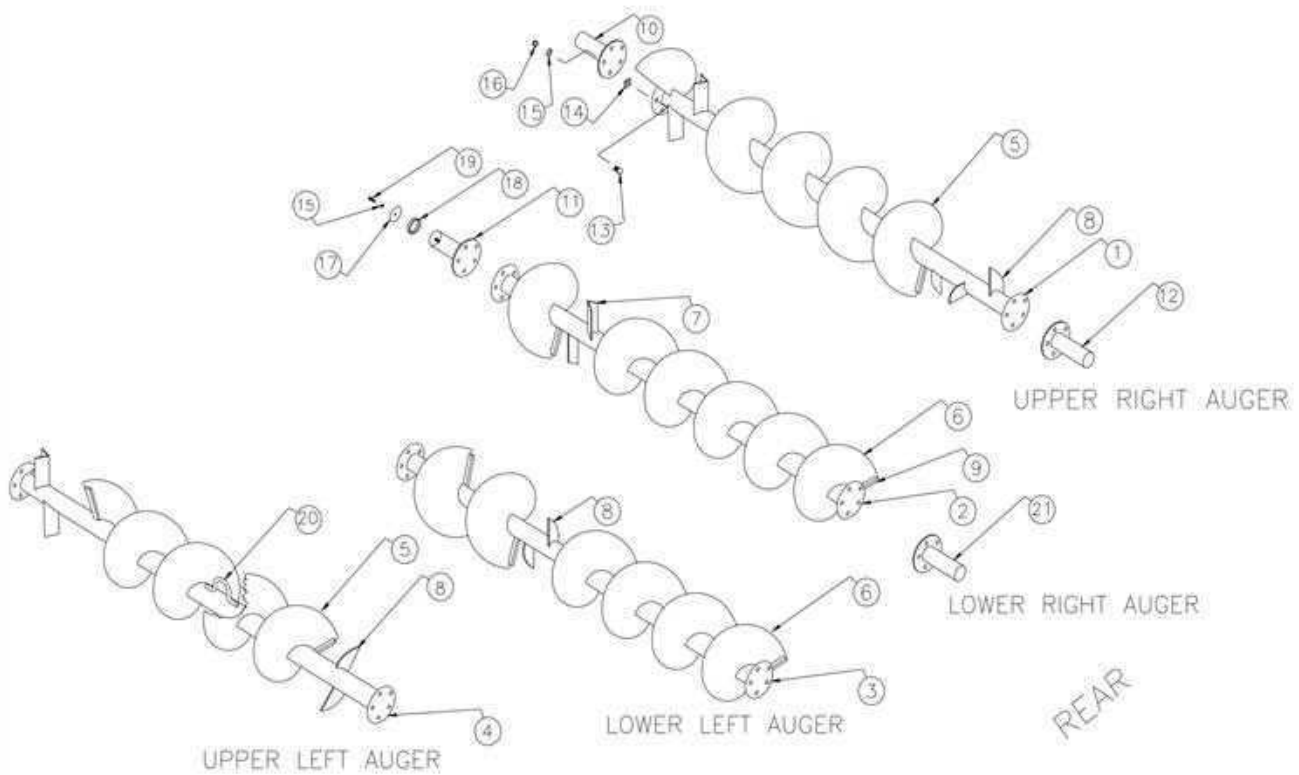
TYPICAL EXAMPLE



TO DETERMINE FLIGHTING TYPE:

COMPARE THE FLIGHTING WITH THE THREADS OF A BOLT AND IF THE FLIGHTING IS WRAPPED AROUND THE PIPE EXTENDING AWAY FROM YOU IN A CLOCKWISE DIRECTION THEN IT IS RIGHT HAND (RH) FLIGHTING IF THE FLIGHTING IS WRAPPED AROUND THE PIPE EXTENDING AWAY FROM YOU IN A COUNTER CLOCKWISE DIRECTION THEN IT IS LEFT HAND (LH) FLIGHTING.

BEARINGS: SEE REAR DRIVE



NOTE:

THESE ARE NOT ACTUAL FLIGHTING ARRANGEMENTS, THESE DRAWINGS ARE FOR ILLUSTRATION ONLY. PLEASE CHECK AUGER TUBE DIAMETER, ORIGINAL FLIGHTING SIZE, AND FLIGHTING ARRANGEMENT BEFORE ORDERING REPLACEMENT FLIGHTING. PLEASE SPECIFY AR OR MILD STEEL. SEE AUGER ORDER FORM.

Auger Assembly

HAY AUGERS

ITEM	PART #	QTY	DESCRIPTION
1	**		HAY AUGER, UPPER RIGHT
2	**		HAY AUGER, LOWER RIGHT
3	**		HAY AUGER, LOWER LEFT
4	**		HAY AUGER, UPPER LEFT
5	16988	AR	FLIGHTING LH 28" OD X 8 5/8" ID 3/8" X 3/4 PITCH
5	16987	AR	FLIGHTING RH 28" OD X 8 5/8" ID 3/8" X 3/4 PITCH
5	16989	AR	FLIGHTING RH 28" OD X 8 5/8" ID 3/8" X FULL PITCH
6	17694	AR	FLIGHTING LH 29 1/4" OD X 8 5/8" ID 1/2" X 3/4 PITCH
6	17695	AR	FLIGHTING RH 29 1/4" OD X 8 5/8" ID 1/2" X 3/4 PITCH
8	15656	AR	KICKER, CURVED
9	15678	AR	BRACE, FLIGHTING UPPER
9	15177	AR	BRACE, FLIGHTING LOWER
11	A15590	4	STUB SHAFT, FRONT
12	A14401	3	STUB SHAFT, REAR 3 7/16" DIA
13	100555	40	SCREW
14	12719	AR	SHIM
15	100554	42	LOCK WASHER
16	100252	40	NUT
17	15404	2	WASHER, FLAT 3 1/2" OD
18	15403	4	SPACER RING
19	101082	4	SCREW
20	16392	4	AUGER HOOK
*21	A16416	1	STUB SHAFT, REAR 3 5/16" DIA

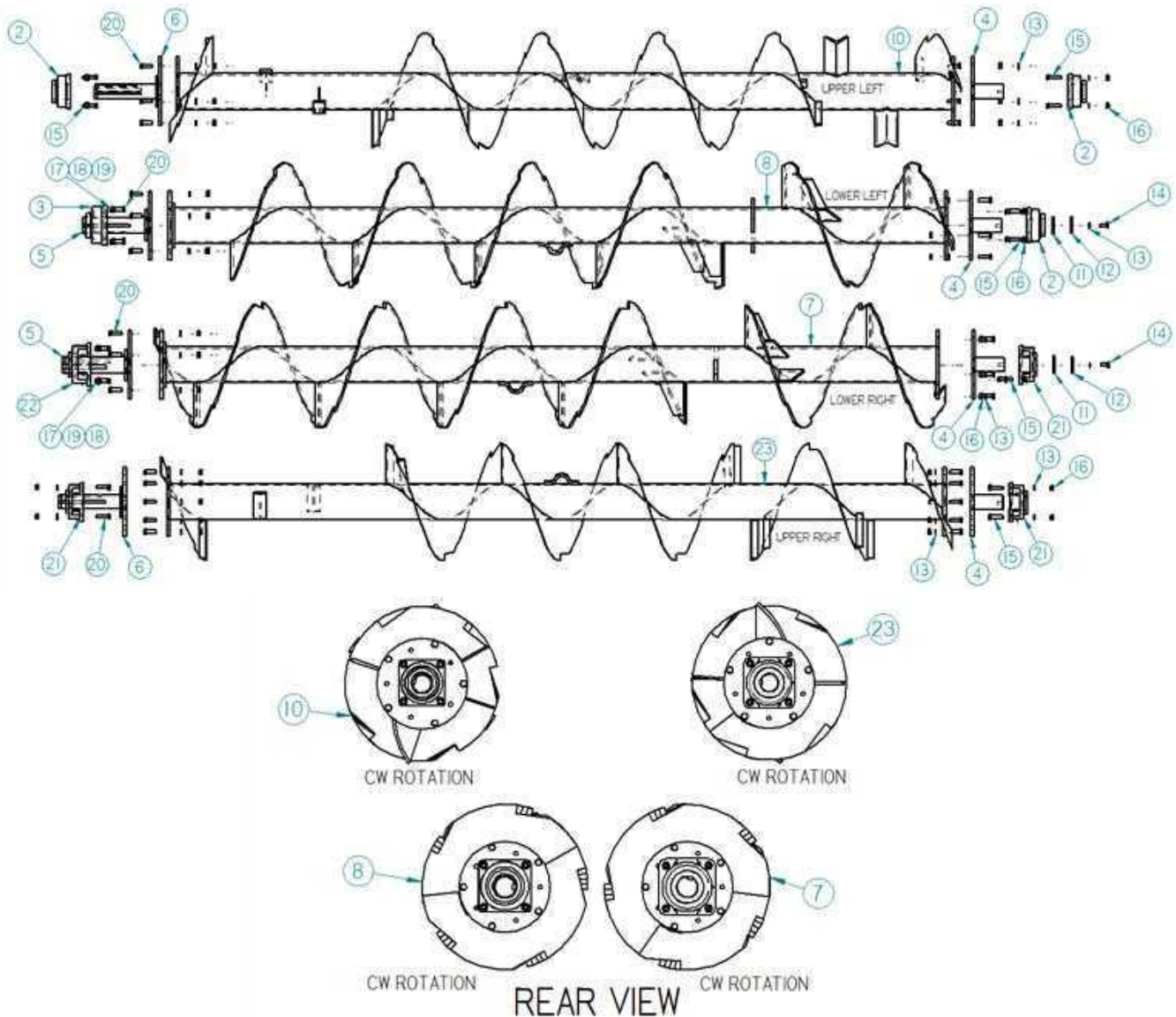
FEEDLOT AUGERS

ITEM	PART #	QTY	DESCRIPTION
1	**		FEED AUGER, UPPER RIGHT
2	**		FEED AUGER, LOWER RIGHT
3	**		FEED AUGER, LOWER LEFT
4	**		FEED AUGER, UPPER LEFT
5	15676	AR	FLG, RH 28" OD X 8 5/8" ID 3/8"
5	15677	AR	FLG, LH 28" OD X 8 5/8" ID 3/8"
6	17696	AR	FLG, RH 29 1/4" OD X 8 5/8" ID 1/2 X 3/4P
6	17697	AR	FLG, LH 29 1/4" OD X 8 5/8" ID 1/2 X 3/4P
9	15678	AR	BRACE, FLIGHTING UPPER
9	14560	AR	BRACE, FLIGHTING LOWER
10	A15590	4	STUB SHAFT, FRONT
12	A14401	3	STUB SHAFT, REAR 3 7/16" DIA
13	100555	40	SCREW
14	12719	AR	SHIM
15	100554	42	LOCK WASHER
16	100252	32	NUT
17	15404	4	WASHER, FLAT 3 1/2" OD
18	15403	4	SPACER RING
19	101082	4	SCREW
20	16392	4	AUGER HOOK
*21	A16416	1	STUB SHAFT, REAR 3 15/16"
22	15005	AR	KICKER, CURVED
23	17001	AR	KICKER BRACE

NOTE: *21 CHECK DIAMETER OF SHAFT AS SOME MODELS HAD A 3 7/16" SHAFT, BUSHING, AND BEARING.
 ** DUE TO VARIOUS AUGER CONFIGURATIONS, PLEASE CHECK YOUR AUGER BEFORE ORDERING.
 AR - AS REQUIRED

Auger Assembly

AUGER GROUP, 720 FEED EZ - A8375



ITEM #	QTY	PART #	DESCRIPTION
12	2	15404	WASHER, SHAFT SPACER 4 OD X 3/8 LG
11	2	15403	SPACER, STUB SHAFT
10	1	19305	AUGER ASSY UPPER LH 720 FEED
8	1	23120	AUGER ASSY, 720 LOWER LEFT EZ
7	1	23121	AUGER ASSY, 720 LOWER RIGHT EZ
6	2	14401	SHAFT ASSY, STUB 3 7/16 OD X 16 1/4 LG
5	2	16416	SHAFT ASSY, STUB 3 15/16 OD X 17 1/4 LG
4	4	15590	SHAFT ASSY, STUB 3 7/16 X 7 3/4 LG TAPPED
3	1	102558	BEARING, 3 15/16 FB SFB1000NE
2	3	102455	BEARING, 3 7/16 FLANGE BLOCK, SPHERICAL

ITEM #	QTY	PART #	DESCRIPTION
23	1	17234	AUGER ASSY, UPPER RH 720 FEED
22	1	104609	BEARING, EMERSON 3 15/16 RFBA 315 - MILLED
21	3	104591	BEARING, SEALMASTER 3 7/16 RFBA307C
20	34	100555	SCREW HX HD CAP, 3/4-16 UNF X 2-1/2 GR 5
19	8	100249	NUT, HEX 7/8-14 UNF
18	8	100361	WASHER, LOCK 7/8
17	8	102559	SCREW HEX HEAD CAP 7/8-14 X 3 LG
16	44	100252	NUT, HEX 3/4-16 UNF
15	15	100825	SCREW HX HD CAP 3/4-16 UNF X 3
14	2	101082	SCREW HX 3/4-10 X 1-1/2 GR 5
13	46	100554	WASHER LOCK, 3/4"

Auger Assembly

NOTE:

The auger group drawing and parts list shown on the previous page is an EZ-MIX Feedlot auger group used on 720 mixers. Other auger groups used on 700's series mixers have differing flighting and kickers. For more part information, contact your Harsh International dealer or our front desk at (970) 454-2291.

630 Auger Group Reference numbers:

AUGER GROUP, 630 FEED - A7631
AUGER GROUP, 630 HAY - A7630 - (RH - A8117)
AUGER GROUP, 630SD HAY SIZOR - A7991

720 Auger Group Reference numbers:

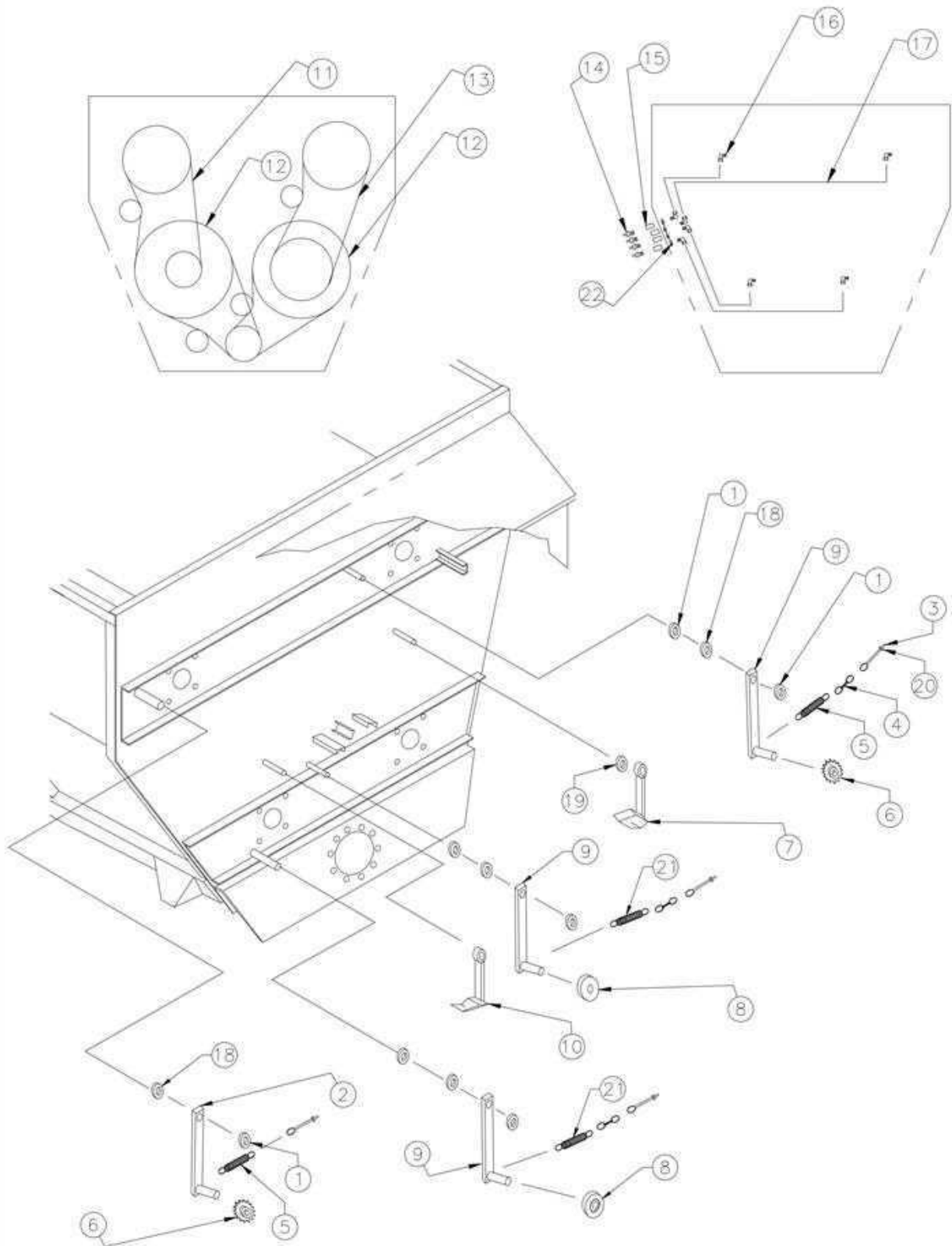
AUGER GROUP, 720 FEED EZ - A8375
AUGER GROUP, 720 HAY - A7632 - (RH - A8385)
AUGER GROUP, 720SD HAYSIZOR - A7990

810 Auger Group Reference numbers:

AUGER GROUP, EZ-MIX, 810SD FEED - A8303 - (3/4 FLIGHTING - A8312)
AUGER GROUP, 810SD FEED - A7960 - (RH - A8061) - (RH 3/4 - A8175)
AUGER GROUP, 810SD HAY - A7961 - (3/4 FLIGHTING - A8174)
AUGER GROUP, ORIGINAL STYLE 3/4 PITCH FLIGHTING - A8177

Rear Drive Assembly

WITH 140 MAIN DRIVE CHAIN



Rear Drive Assembly

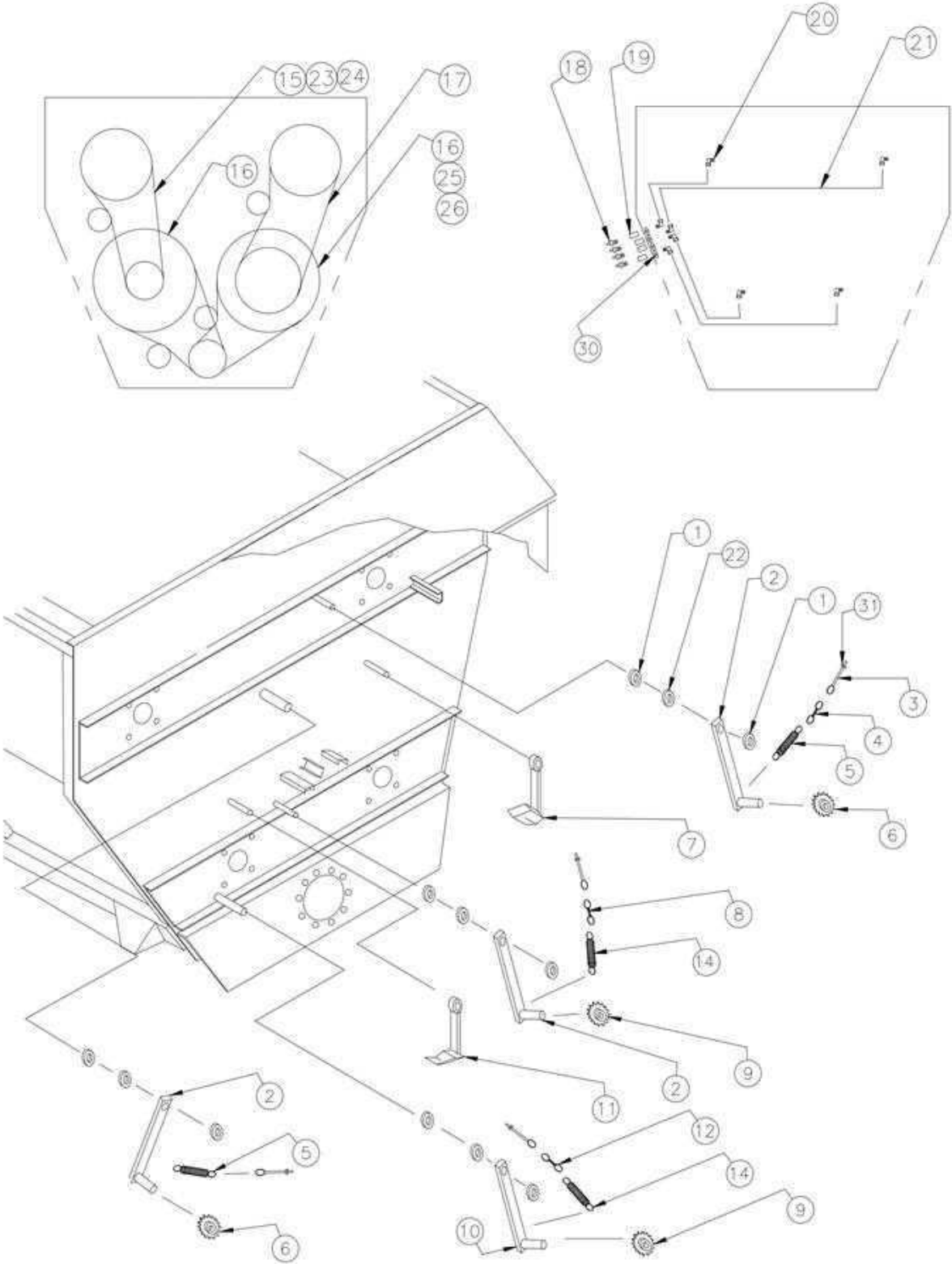
WITH 140 MAIN DRIVE CHAIN

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	101829	8	COLLAR W/ SET SCREW	*12	102322	2	DRIVE CHAIN (W/ CONNECTOR)
*2	A15937	1	IDLER ARM	13	102476	1	DRIVE CHAIN (W/ CONN. & OFFSET)
3	101840	4	EYE BOLT	14	101953	4	GREASE ZERK TIP
*4	7070514	*	CHAIN	15	102454	4	ZERK, COMPL INCL #18
5	101831	2	SPRING 8"	16	102753	8	90° COMP. FITTING
6	A13375	2	SPROCKET ASS'Y	17	6060031	1	ALUMINUM TUBING 16'
7	A16232	1	OILER ASSEMBLY RH	18	102355	4	BEARING, NYLON
8	A14900	2	IDLER ROLLER ASSEMBLY	19	16173	1	SPACER
*9	A15012	3	IDLER ARM	20	100254	8	NUT
10	A15939	1	OILER ASSEMBLY LH	21	101832	2	SPRING
11	102475	1	DRIVE CHAIN (W/ CONNECTOR)	22	100300	4	WASHER, FLAT

NOTE: *2 AND *9 REQUIRE NYLON BEARINGS (#18).
*4 DETERMINE NUMBER OF CHAIN LINKS BEFORE ORDERING.
*12 OFFSET LINK A17322

Rear Drive Assembly

WITH 160 MAIN DRIVE CHAIN



Rear Drive Assembly

WITH 160 MAIN DRIVE CHAIN

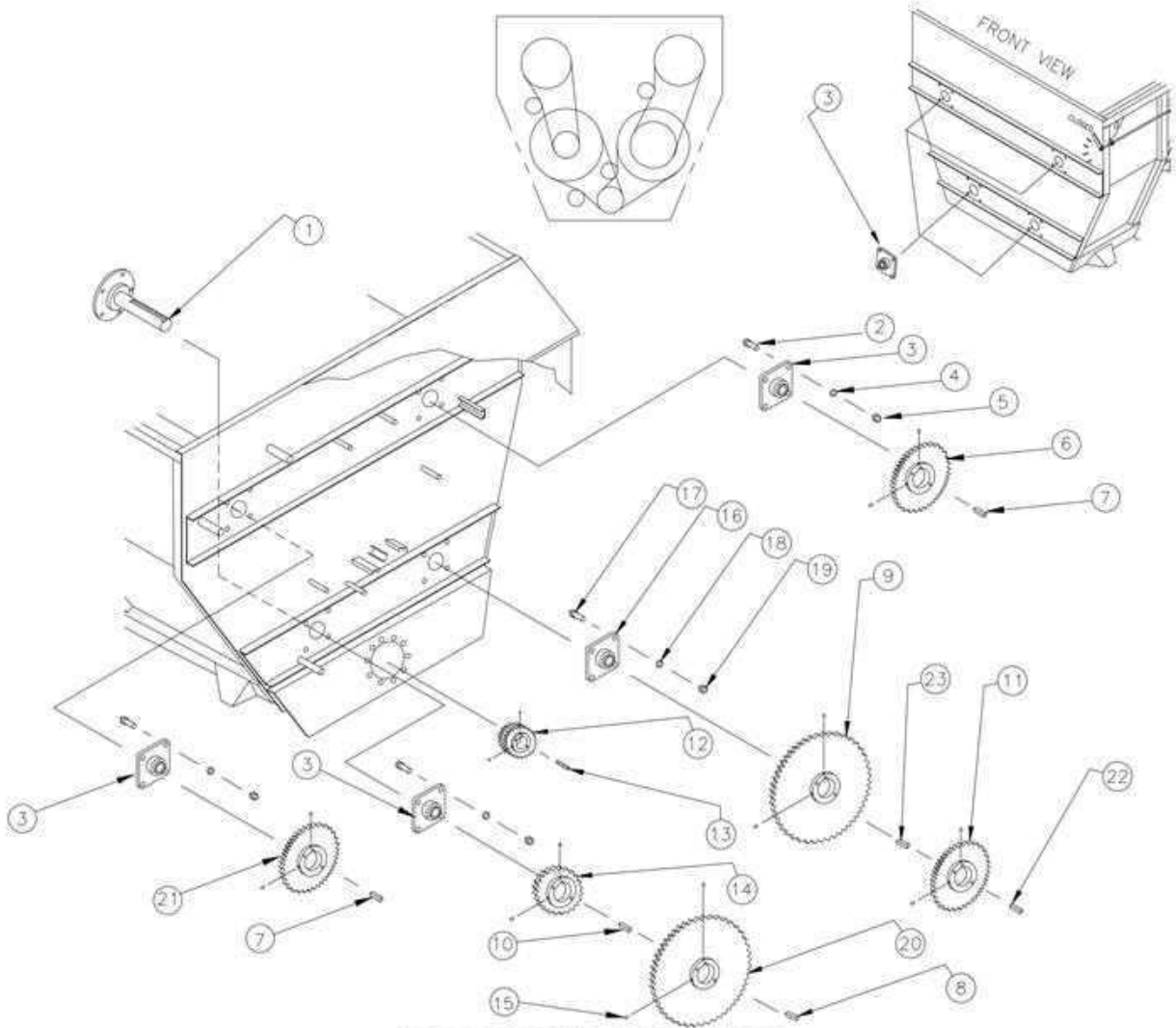
ITEM	PART #	QTY	DESCRIPTION
1	101829	8	COLLAR W/ SET SCREW
*2	A15012	3	IDLER ARM
3	101840	4	EYE BOLT
4	7070514	1	CHAIN
5	101831	2	SPRING 8"
6	A17774	2	SPROCKET
7	A18102	1	OILER ASS'Y
8	15086	1	CHAIN
9	A17773	2	SPROCKET
*10	A15937	1	IDLER ARM
11	A18260	1	OILER ASS'Y
12	15086	1	CHAIN 7 LINKS
14	101832	2	SPRING

ITEM	PART #	QTY	DESCRIPTION
15	102763	1	DRIVE CHAIN (W/ CONN.)
16	102761	2	DRIVE CHAIN (W/ CONN. & OFF.)
17	102760	1	DRIVE CHAIN (W/ CONN.)
18	101953	4	GREASE ZERK TIP
19	102454	4	ZERK COMPL INCL. #18
20	102753	8	90° COMP. FITTING
21	6060031	1	ALUMINUM TUBING 16'
22	102355	4	BEARING, NYLON
23	100671	AR	CONNECTOR LINK, 120
24	100672	AR	OFFSET LINK, 120
25	9623	AR	CONNECTOR LINK, 160
26	9624	AR	OFFSET LINK, 160
30	100300	4	WASHER, FLAT
31	100254	8	NUT

NOTE: *2 & *10 REQUIRE NYLON BEARINGS (#22).
AR - AS REQUIRED

Rear Drive Assembly

STRAIGHT BORE SPROCKETS WITH 160 MAIN DRIVE CHAIN



REAR DRIVE ASSEMBLY

STRAIGHT BORE SPROCKETS WITH 160 MAIN DRIVE CHAIN

ITEM PART # QTY DESCRIPTION

1	A14401	3	STUB SHAFT, 3 7/16"
1	A16416	1	STUB SHAFT, 3 15/16" LRH
2	100825	28	SCREW
3	102455	7	BEARING
4	100554	32	LOCK WASHER
5	100252	32	NUT
6	102749	1	SPROCKET (32 TOOTH - 120 CHAIN)
7	16767	2	KEY
8	17771	1	KEY
9	102742	1	SPROCKET (45 TOOTH - 160 CHAIN)
10	16766	1	KEY
11	102750	1	SPROCKET (30 TOOTH - 120 CHAIN)
11	102744	1	SPROCKET (26 TOOTH - 120 CHAIN)

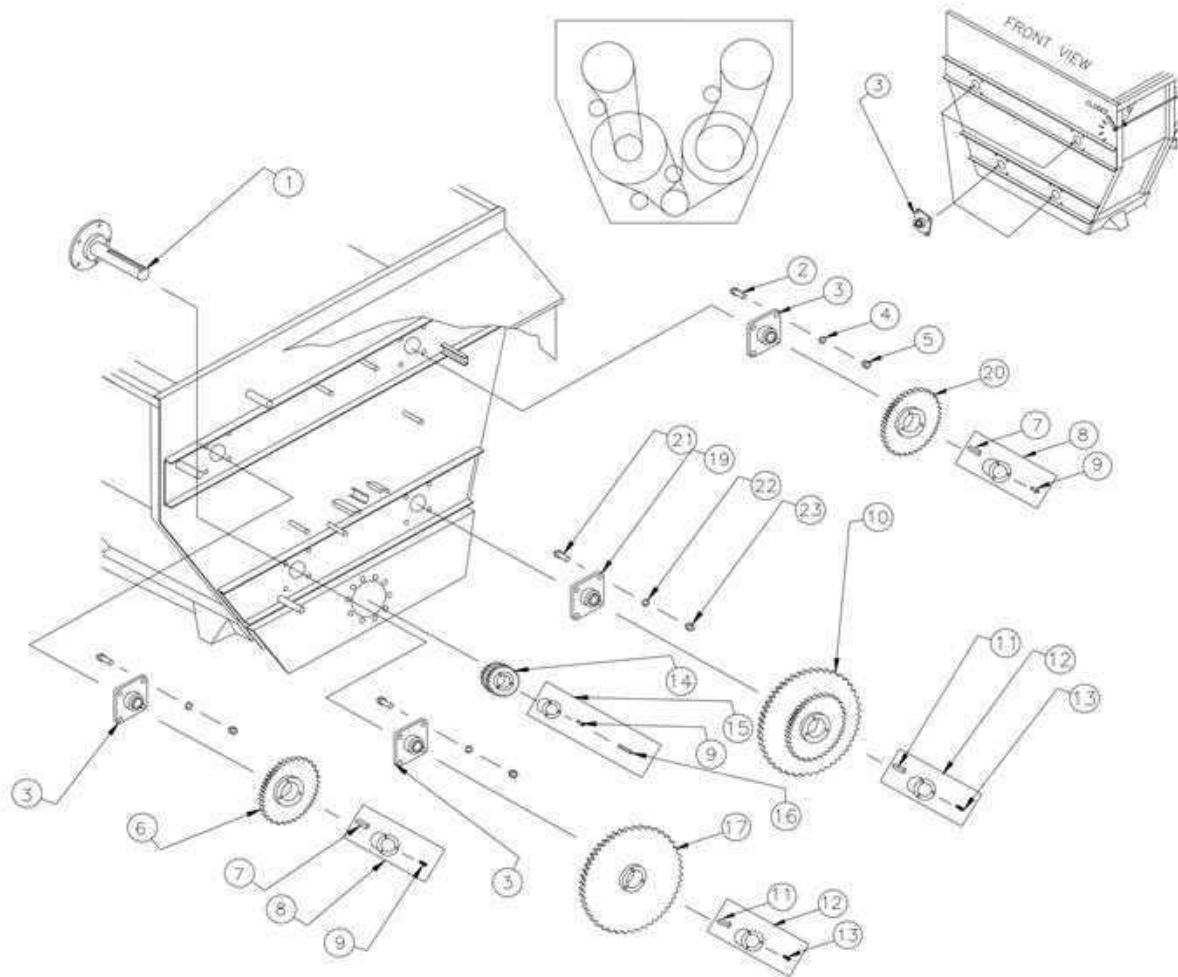
ITEM PART # QTY DESCRIPTION

12	102745	1	SPROCKET, DOUBLE (13-160)
13	NPN	1	KEY
14	102762	1	SPROCKET (19 TOOTH - 120 CHAIN)
15	4467	14	3/4 - 10 X 3/4 LG. SET SCREW
16	102558	1	BEARING, 3 15/16"
17	102559	4	SCREW
18	100361	4	LOCK WASHER
19	100249	4	NUT
20	102739	1	SPROCKET (45 TOOTH - 160 CHAIN)
21	102741	1	SPROCKET (30 TOOTH - 120 CHAIN)
21	102740	1	SPROCKET (23 TOOTH - 120 CHAIN)
22	17782	1	KEY 1"
23	17772	1	KEY 1"

NOTE: ALWAYS DETERMINE ACTUAL NUMBER OF TEETH ON SPROCKETS BEFORE ORDERING.

Rear Drive Assembly

BUSHED SPROCKETS WITH 140 MAIN DRIVE CHAIN



REAR DRIVE ASSEMBLY

BUSHED SPROCKETS WITH 140 MAIN DRIVE CHAIN

ITEM PART # QTY DESCRIPTION

1	A14401	3	STUB SHAFT 3 7/16"
1	A16416	1	STUB SHAFT 3 15/16"
2	100555	28	SCREW
3	102455	7	BEARING
4	100554	32	LOCK WASHER
5	100252	32	NUT
6	A16405	1	SPROCKET (36 TOOTH - 100 CHAIN)
*6	A16670	2	SPROCKET (28 TOOTH - 100 CHAIN)
7	4469	2	KEY
8	101833	2	BUSHING
9	4327	3	SCREW
*10	A16410	1	SPROCKET (54-140, 32-100)
11	4469	2	KEY

ITEM PART # QTY DESCRIPTION

*12	102319	1	BUSHING
*12	102473	1	BUSHING
13	4329	12	SCREW
14	A17028	1	SPROCKET, DOUBLE (15-140)
15	102472	1	BUSHING
16	4397	1	STEP KEY
17	A16407	1	SPROCKET (54-140, 23-100)
18	A17242	1	SPROCKET (40-100)
19	102558	1	BEARING 3 15/16" LRH
20	A17242	1	SPROCKET
21	102559	4	SCREW
22	100361	4	LOCK WASHER
23	100249	4	NUT

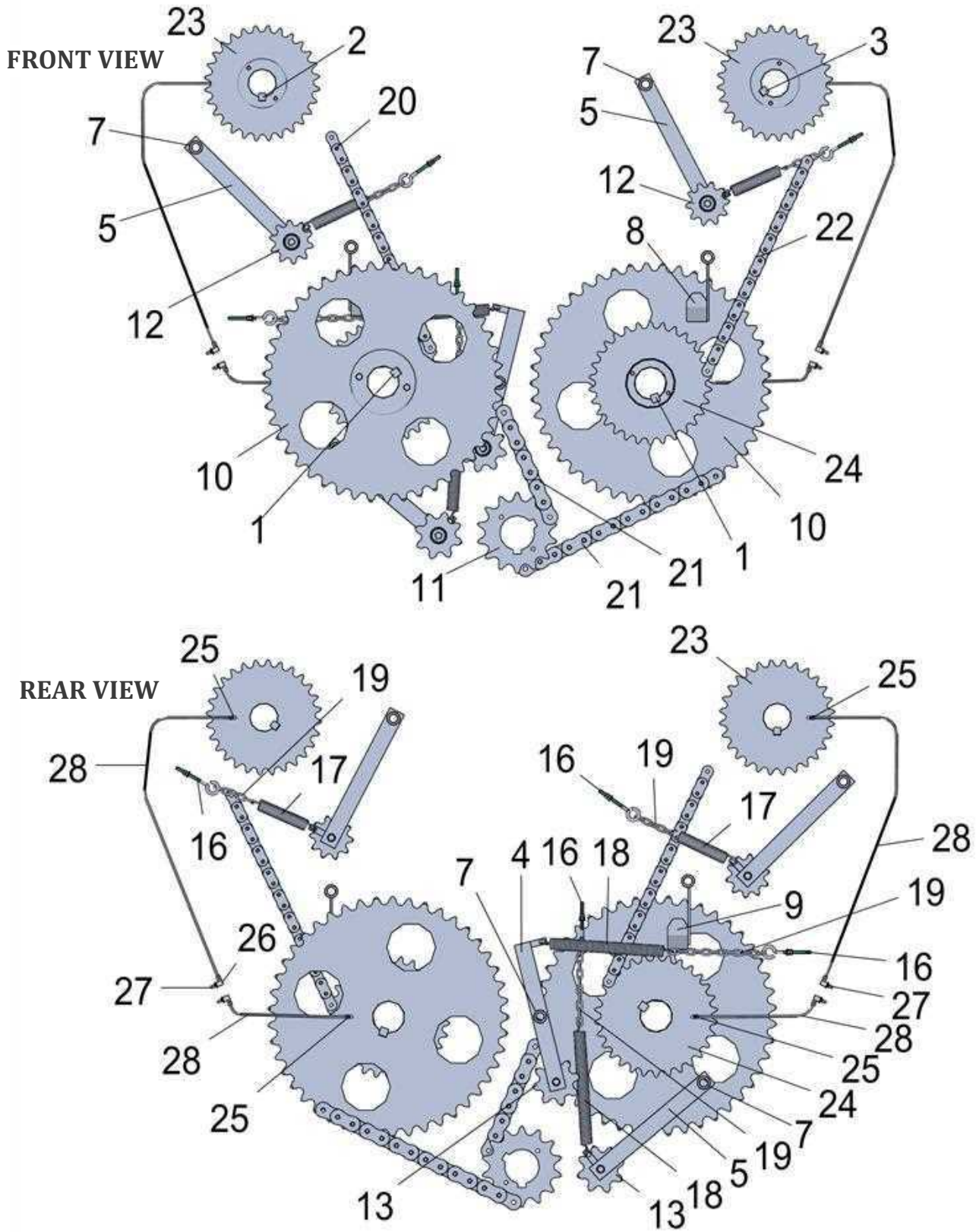
NOTE: *10 LATER MODELS MAY HAVE A 36 TOOTH - 100 CHAIN BOLT-ON SPROCKET PART #17390 WHICH BOLTS ON TO A WELDED FLANGE #17380.

*19 SOME EARLIER MODELS HAVE A 3 7/16" BEARING, SHAFT, AND BUSHING ON LOWER RIGHT HAND AUGER.

*12 ON MODELS WITH 3 7/16" SHAFT, USE A #102473 BUSHING.

Rear Drive Assembly

REAR DRIVE GROUP, 810SD FEED - A7920



Rear Drive Assembly

REAR DRIVE GROUP, 810SD FEED - A7920

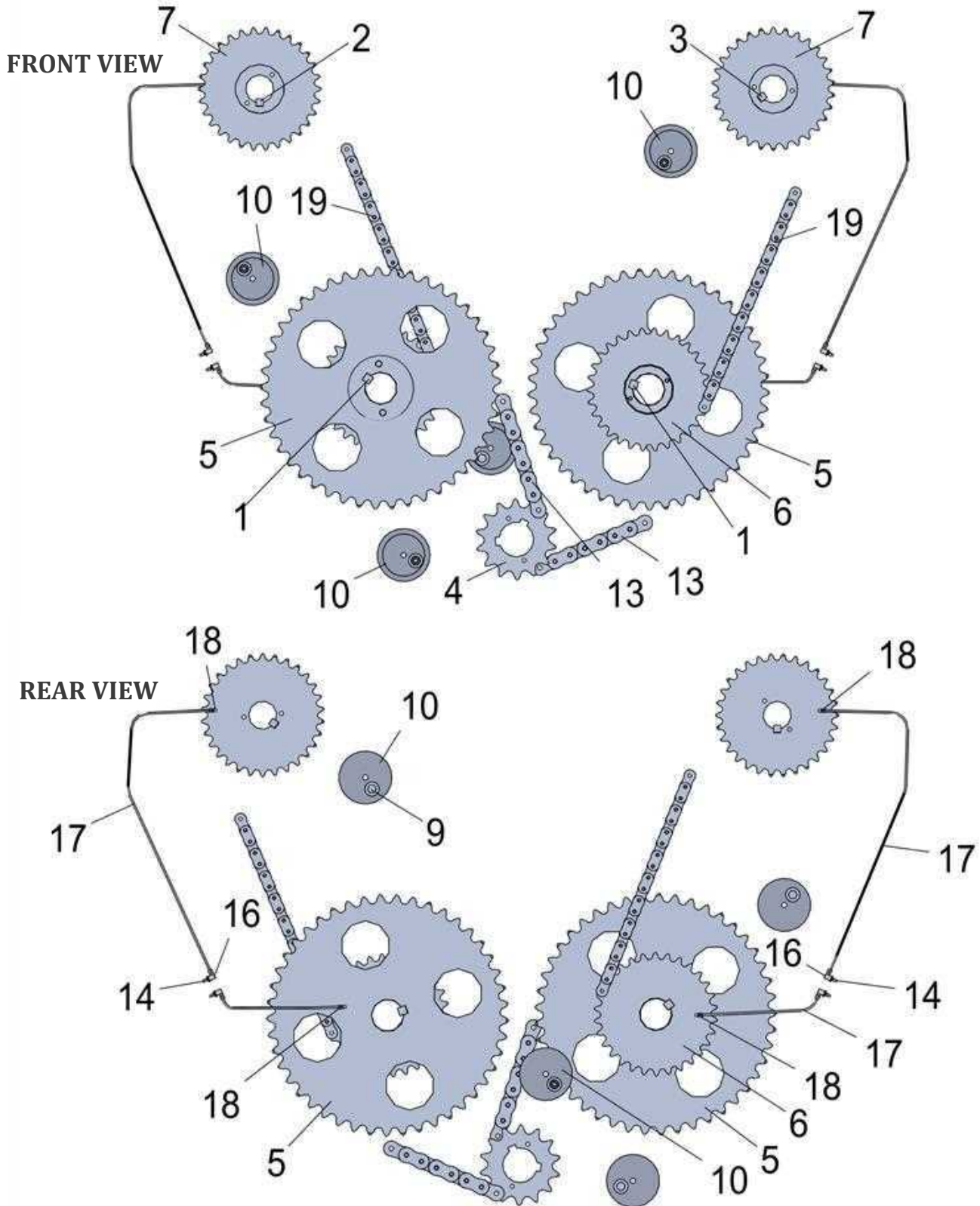
#	Part Number	Title	Quantity
1	18757	KEY, SQUARE 1 X 7 5/8 LG	2
2	19067	KEY, SQUARE 7/8 X 8 LG.	1
3	18756	KEY, SQUARE 7/8 X 5 1/8 LG.	1
4	A18103	TENSIONER ARM ASSY 18 1/2 LG X 3 3/4 PIN	1
5	A15012	TENSIONER ARM ASS'Y, 18 1/2	3
6	102355	BEARING, NYLINER 1 ID	4
7	101829	COLLAR, SET SCREW 1 ID X 1 5/8 OD	8
8	A18102	OIL WIPER ASS'Y 7 LG X 1 1/4 OFFSET	1
9	A18260	OIL WIPER ASS'Y 7LG W/MED END	1
10	102742	SPROCKET, 160B45 3 15/16 BORE	2
11	103270	SPROCKET, DS160A14H 4 1/4 BORE	1
12	A17774	SPROCKET ASS'Y 120A10 W/ RA100RR	2
13	A17773	SPROCKET ASS'Y 160A8 W/ RA100RR	2
14	100300	WASHER, FLAT 3/8" USS	8
15	100254	NUT, HEX 3/8 -16 UNC GR 5	8
16	101840	BOLT, EYE 3/8-16 UNC X 6 IN LG	4
17	101831	SPRING, EXTENSION 1 1/4OD X 8 LG (#626)	2
18	101832	SPRING, EXTENSION 1 1/4OD X 14 LG (#627)	2
19	7070514	CHAIN, LOG 3/16 PLATED (GR30)	4
20	102763	CHAIN, #120 x 78P INCL CONN - LYNX	1
21	102761	CHAIN, #160 H x 56P INCL CONN - LYNX	2
22	102760	CHAIN, #120 x 82P INCL CONN - LYNX	1
23	103036	SPROCKET, 120B28 3 7/16 BORE	2
24	102750	SPROCKET 120B30 3 15/16 BORE	2
25	102759	FITTING, COMPRESSION 1/8 NPT (M) X 1/4 STR.	4
26	102797	FITTING, COMPRESSION, 1/8 NPT (F) 1/4x90deg	4
27	100218	GREASE FITTING, 1/8 NPT	4
28	6060031	GREASE LINE	4

NOTES:

The chain tensioner style rear drives may vary depending on which auger group is being used in the mixer. Reference numbers: 630/720 HIGH ROUGHAGE, HAY-Z - A7750, 630 FEED - A7749, 810SD HIGH ROUGHAGE, HAY-Z - A7921

Rear Drive Assembly

REAR DRIVE GROUP, 700TK, UHMW TENSIONERS - A8473T



Rear Drive Assembly

REAR DRIVE GROUP, 700TK, UHMW TENSIONERS - A8473T

#	Part Number	Title	Quantity
1	18757	KEY, SQUARE 1 X 7 5/8 LG	2
2	19067	KEY, SQUARE 7/8 X 8 LG.	1
3	18756	KEY, SQUARE 7/8 X 5 1/8 LG.	1
4	103270	SPROCKET, DS160A14H 4 1/4 BORE	1
5	102742	SPROCKET, 160B45 3 15/16 BORE	2
6	102750	SPROCKET 120B30 3 15/16 BORE	2
7	102741	SPROCKET, 120B30 3 7/16 BORE	2
8	100179	WASHER, FLAT 5/8	8
9	102016	SCREW, HX HD CAP 5/8-11 X 5 LG GR 5	4
10	23347	CHAIN TENSIONER, UHMW	4
11	100273	WASHER, LOCK, 5/8	4
12	100370	NUT, 5/8 - 11	4
13	102761	CHAIN, #160 H x 56P INCL CONN - TSUBAKI	2
14	100218	GREASE FITTING, 1/8 NPT	4
15	100300	WASHER, FLAT 3/8" USS	4
16	102797	FITTING, COMPRESSION, 1/8 NPT (F) 1/4x90deg	4
17	6060031	GREASE LINE	4
18	102759	FITTING, COMPRESSION 1/8 NPT (M) X 1/4 STR.	4
19	102760	CHAIN, #120 x 82P INCL CONN - TSUBAKI	2

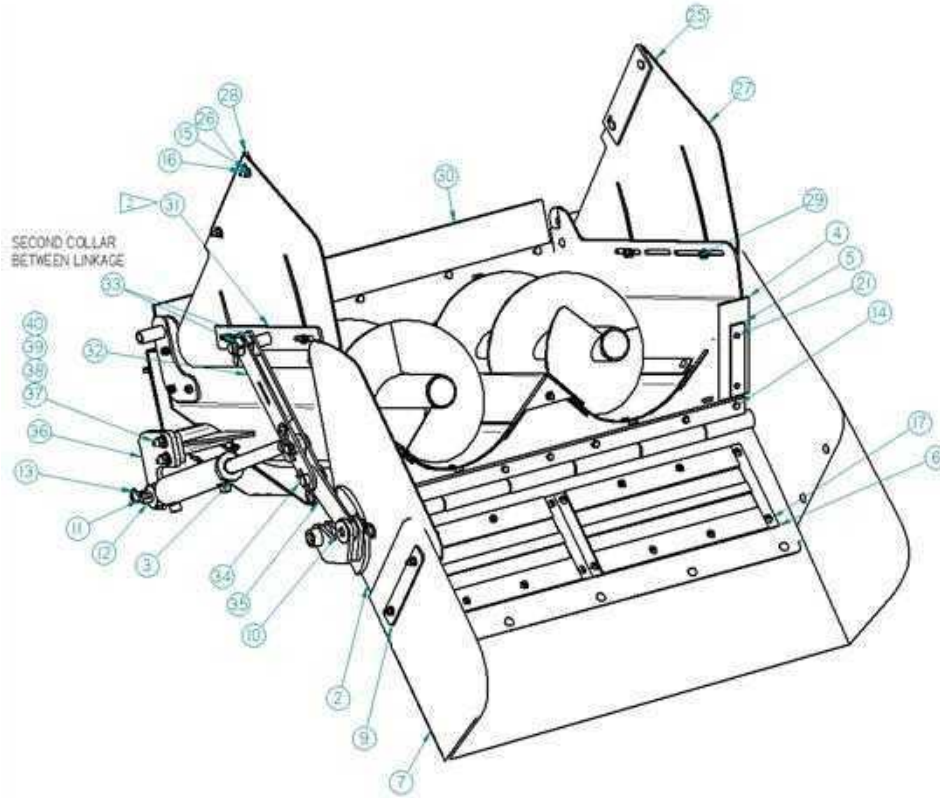
NOTES:

*13, 19: Chains are available in LYNX or TSUBAKI brand. Chains shown in the drawing are only sections of the full chains used.

The drawing and parts list shown is for a rear drive group w/ UHMW tensioners that is used on 720SD and 810SD mixers. For more part information, contact your local Harsh International dealer or our front desk at (970) 454-2291.

Discharge - New Style

DISCHARGE GROUP, DUAL SHORT (NEW STYLE) - A8276



ITEM #	QTY	PART #	DESCRIPTION
40	2	103795	NUT, HEX 1/2-13
39	2	100272	WASHER, 1/2 LOCK
38	2	100838	WASHER, 1/2 FLAT
37	2	103846	SCREW, HK HD CAP 1/2-13 UNC X 2
36	1	32606	DROP CHUTE CYL MOUNT (BOLTED)
35	1	20795	LINKAGE, DROP CHUTE CYLINDER (SHORT)
34	2	A23191	PIN ASSEMBLY, 1" DIA X 1 5/8" LONG
33	2	101829	COLLAR, SET SCREW 1" DIA X 1 5/8" OD
32	1	A23189	DROP CHUTE LINKAGE ASSEMBLY
31	1	A22609	LINKAGE MOUNT PLATE ASSY - SHORT
30	1	A22141	DISCHARGE ASSY DUAL - SHORT (NEW)
29	4	102096	SCREW, CARRIAGE HD 3/8-16 X 1 OR 5
28	2	16078	BAR, CRACER 1/4 X 2 1/2 X 11
27	2	21961	DITCH HANGER, (SHORT 15" HIGH)
26	21	100300	WASHER, FLAT 3/8" USS
25	13	101996	SCREW, CARRIAGE HD 3/8-16 UNC X 1 1/2 GR 5
24	4	100221	NUT, HEX, 1/4-20 UNC OR 5
23	4	100304	WASHER, LOCK 1/4 CADMIUM PLATED
22	4	100443	WASHER, FLAT, 1/4"
21	4	100858	SCREW, HK HD CAP 1/4-20 X 1

ITEM #	QTY	PART #	DESCRIPTION
20	16	100297	NUT, HEX 5/16
19	16	100170	WASHER, LOCK 5/16
18	16	100713	WASHER, FLAT 5/16
17	16	102283	SCREWTRUSS HEAD, 5/16-18 UNC X 3/4 OR 2
16	26	100254	NUT, HEX 3/8-16 UNC OR 5
15	26	100271	WASHER, LOCK 3/8"
14	9	101716	SCREW, HK HD CAP 3/8-16 UNC X 1 1/4
13	4	101018	CLIP, HAR PIN
12	1	100556	WASHER, 3/4 FLAT
11	1	A21476	PIN ASSY, HEIGHT CONTROL
10	1	A22203	PIN ASSEMBLY, 1" X 2 3/8" LG
9	2	21569	BAR, FLAT 1/4" SM SUPPORT
8	1	21556	BAR, RUBBER MAT SUPPORT
7	1	21545	RUBBER MAT, DROP CHUTE, SPILT, SHORT
6	2	100965	MAGNET, 6 X 18 1/2
5	2	20936	SHIELD, PLATE, DISCHARGE WING
4	2	20935	SHIELD, DISCHARGE WING
3	1	A22384	CYLINDER ASSY, DROP CHUTE -NEW
2	1	A22388	DROP CHUTE ASSY, DUAL -NEW

NOTE:

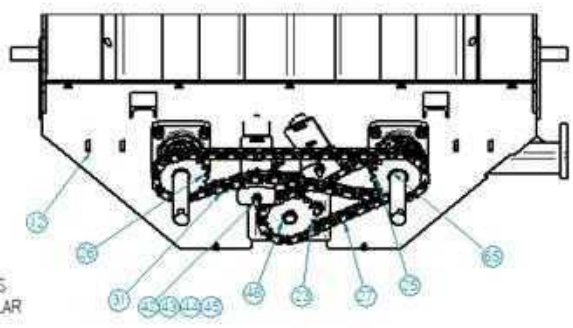
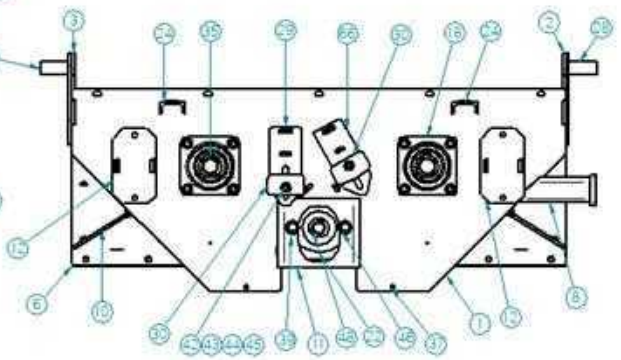
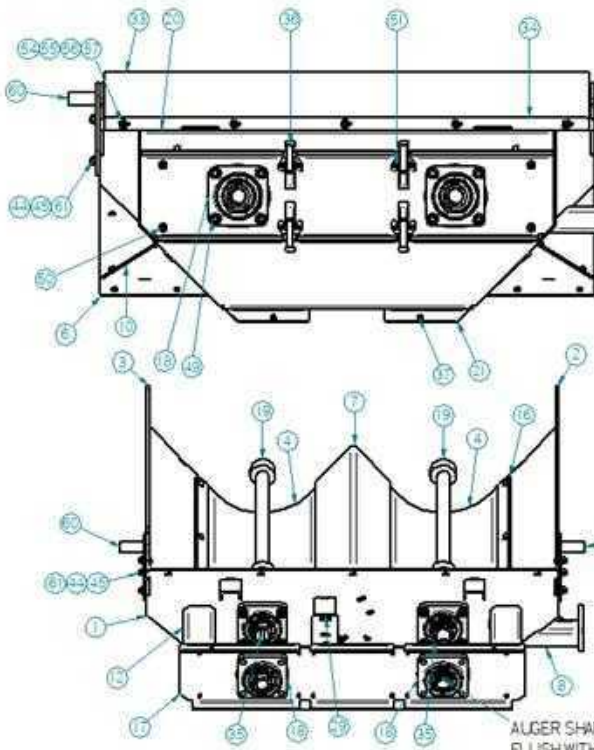
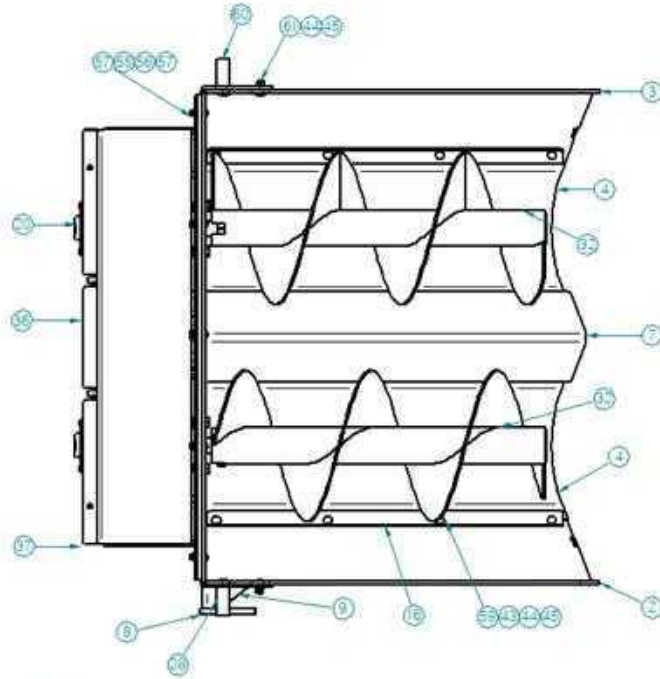
1 THESE ITEMS ARE IN PARTS BAG #A7616

2 ALIGN BOTTOM OF LINKAGE MOUNT PLATE ASSEMBLY (ITEM #31) TO TOP OF DISCHARGE SIDE CENTERED IN SLOTS

Discharge - New Style

DISCHARGE GROUP, DUAL SHORT (NEW STYLE) - A8276

DISCHARGE ASSEMBLY, DUAL SHORT (NEW STYLE) - A22141



AUGER SHAFT ASSEMBLY IS FLUSH WITH BEARING COLLAR

Discharge - New Style

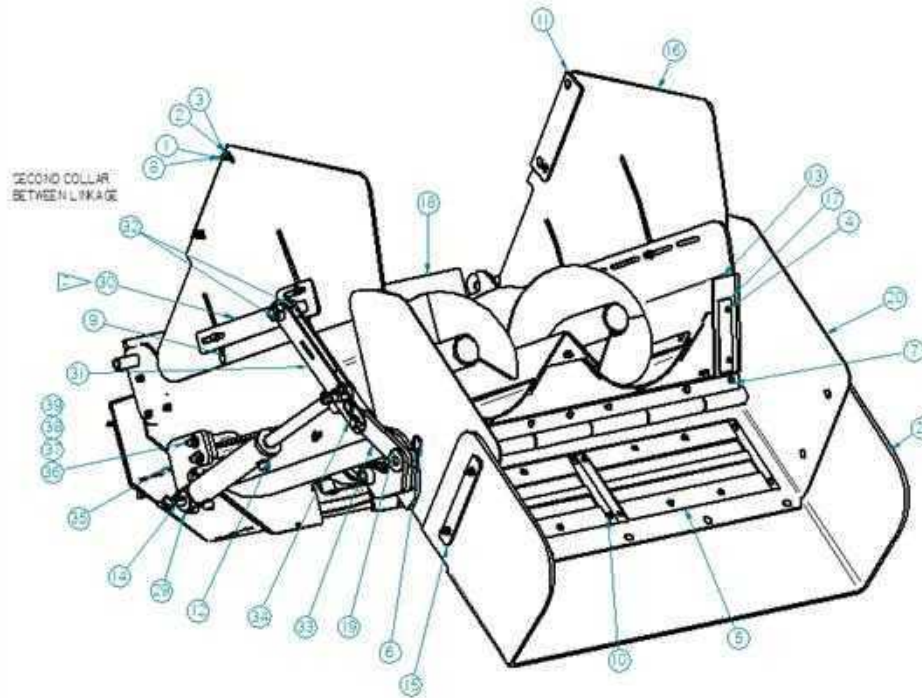
DISCHARGE GROUP, DUAL SHORT (NEW STYLE) - A8276

DISCHARGE ASSEMBLY, DUAL SHORT (NEW STYLE) - A22141

ITEM #	QTY	PART #	DESCRIPTION
66	1	A22130	CHAIN STAND-OFF ASS'Y (SHORT)
65	2	103040	SNAP RING, 1-1/4" SHAFT
63	2	104256	SCREW, SOCKET HD 5/16-18 X 1
62	2	17874	TAB, DISCHARGE TENSIONER
61	6	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5
60	1	A22154	DISCHARGE MOUNT ASS'Y (LEFT)
59	8	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE
58	1	300892	SCREW, HX HD CAP 5/16-18 X 1 1/4
57	8	100297	NUT, HEX 5/16
56	8	100170	WASHER, LOCK 5/16
55	9	100713	WASHER, FLAT 5/16
54	5	104189	SCREW, CARRIAGE HD 5/16-18 X 1 1/4
53	8	102639	NUT, #10 -24
52	8	104107	WASHER, LOCK #10
51	8	104108	HX HD SCREW, #10-24 X .75
50	4	101846	SCREW, HX HD CAP 3/8-16 X 1
49	16	101444	SCREW, HX HD CAP 1/2-13UNC x 1 1/2 GR 5
48	1	103794	SNAPRING, 1" SHAFT
47	2	100250	NUT, HEX 1/2-20 UNF
46	2	100230	SCREW, HX HD CAP 1/2-20 UNF X 2
45	20	100254	NUT, HEX 3/8-16 UNC GR 5
44	20	100271	WASHER, LOCK 3/8"
43	10	100300	WASHER, FLAT 3/8" USS
42	2	104207	SCREW, CARRIAGE HD 3/8-16 X 2 3/4 GR 5
41	16	103795	NUT, HEX 1/2-13
40	18	100272	WASHER, 1/2 LOCK
39	2	100838	WASHER, 1/2 FLAT
37	4	101818	PIN, DOWEL 3/8 X 3/4 LG
36	4	103560	OVERCENTER LATCH
35	2	16340	KEY, SQ. 5/16 X 2 LG
34	1	22153	STRAP, BACKPLATE FILLER (DUAL)
33	1	21896	FILLER, DISCHARGE BACKPLATE (DUAL)
32	2	A22011	DISCH AUGER ASSY -SHORT (NEW)
31	1	104209	CHAIN, #60 64 PITCHES AND CONNECTOR
30	2	22132	UHMW TENSION BLOCK
29	1	A22127	CHAIN STAND-OFF ASS'Y (LONG)
28	1	A22152	DISCHARGE MOUNT ASS'Y (RIGHT)
27	1	104208	CHAIN, #60 44 PITCHES AND CONN LINK
26	1	101845	SPROCKET, H60B17 -1 1/4 BORE W/KEY
25	1	102778	SPROCKET, DSH60A17 W/ 1 1/4 BORE
24	2	22149	SUPPORT, CHAIN GUARD
23	1	102128	SPROCKET, H60B17 1" BORE SPECIAL HUB
22	1	102980	MOTOR, ROSS HYDRAULIC
21	1	22148	GUARD, DISCHARGE CHAIN (LOWER) - DUAL
20	1	22147	GUARD, DISCHARGE CHAIN (UPPER) - DUAL
19	2	A22006	DISCHARGE AUGER SHAFT ASSEMBLY
18	4	104193	BEARING, 4 BOLT FLANGE 1 1/4 (SEALED)
17	1	22146	CHANNEL BEARING MOUNT - DUAL
16	2	22002	STRAP, DISCHARGE BOTTOM
12	2	A23157	BEARING CHANNEL MOUNT ASSY
11	1	23373	CHANNEL DISCH MOTOR MNT - DUAL W/HOLES
10	2	22059	GUSSET, DISCH FRONT PLATE
9	1	16348	GUSSET, 1/4 X 4 1/2 X 6
8	1	A21995	DISCH CYLINDER MNT ASSY (NEW)
7	1	A22145	FORMED PEAK ASSY (DUAL)
6	1	22143	FRONT PLATE, DISCHARGE - DUAL
5	1	22142	ANGLE, DISCH AUGER BOTTOM (DUAL)
4	2	21991	AUGER BOTTOM, DISCHARGE - SHORT
3	1	21987	SIDE, DISCHARGE (LEFT) - SHORT
2	1	21988	SIDE, DISCHARGE (RIGHT) - SHORT
1	1	22138	BACKPLATE, DISCH DUAL (NEW)

Discharge - New Style

DISCHARGE GROUP, DUAL MEDIUM (NEW STYLE) - A8281




ITEM #	QTY	PART #	DESCRIPTION
19	1	A22203	PIN ASSEMBLY, 1" X 2-3/8" LG
18	1	A22196	DISCHARGE ASSY DUAL - MED (NEW)
17	2	20936	SHIELD PLATE, DISCHARGE WING
16	2	21962	DISCH HANGER, MEDIUM 15" HIGH(1)
15	2	21569	BAR, FLAT 1/4" SM SUPPORT
14	1	A21476	PIN ASSY, HEIGHT CONTROL
13	2	20935	SHIELD, DISCHARGE WING
12	1	A22384	CYLINDER ASSY, DROP CHUTE -NEW
11	2	16078	BAR, SPACER 1/4 X 2 1/2 X 11
10	16	102283	SCREWTRUSS HEAD, 5/16-16 UNC x 3/4 GR 2
9	4	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5
8	13	101996	SCREW, CARRIAGE HD 3/8-16 UNC X 1 1/2 GR5
7	9	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4
6	4	101018	CLIP, HAIR PIN
5	2	100985	MAGNET, 8 X 18 1/2
4	4	100858	SCREW, HX HD CAP 1/4-20 X 1
3	21	100300	WASHER, FLAT 3/8" USS
2	26	100271	WASHER, LOCK 3/8"
1	26	100254	NUT, HEX 3/8 -16 UNC GR 5

ITEM #	QTY	PART #	DESCRIPTION
39	2	103795	NUT, HEX 1/2-13
38	2	100272	WASHER, 1/2 LOCK
37	2	100838	WASHER, 1/2 FLAT
36	2	103846	SCREW, HX HD CAP 1/2 -13 UNC X 2
35	1	22606	DROP CHUTE CYL. MOUNT (BOLTED)
34	2	A23191	PIN ASSEMBLY, 1" DIA. X 1 5/8" LONG
33	1	22795	LINKAGE, DROP CHUTE CYLINDER (SHORT)
32	2	101829	COLLAR, SET SCREW 1 ID X 1 5/8 OD
31	1	A23189	DROP CHUTE LINKAGE ASSEMBLY
30	1	A23222	LINKAGE MOUNT PLATE ASSY - MEDIUM
29	1	100556	WASHER, 3/4 FLAT
28	16	100297	NUT, HEX 5/16
27	16	100170	WASHER, LOCK 5/16
26	16	100713	WASHER, FLAT 5/16
25	4	100221	NUT, HEX, 1/4-20 UNC GR 5
24	4	100304	WASHER, LOCK 1/4 CADMIUM PLATED
23	4	100443	WASHER FLAT, 1/4"
22	1	21556	BAR, RUBBER MAT SUPPORT
21	1	21545	RUBBER MAT, DROP CHUTE SPOUT, SHORT
20	1	A22388	DROP CHUTE ASSY, DUAL -NEW

NOTE

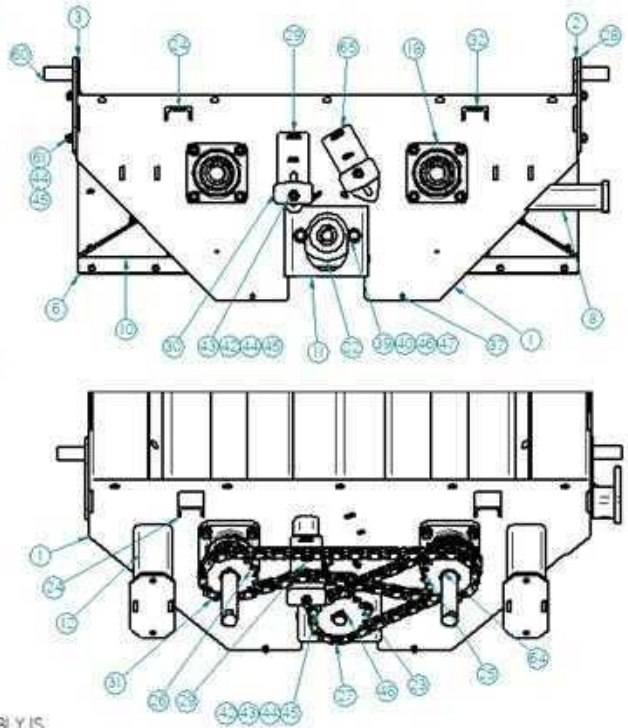
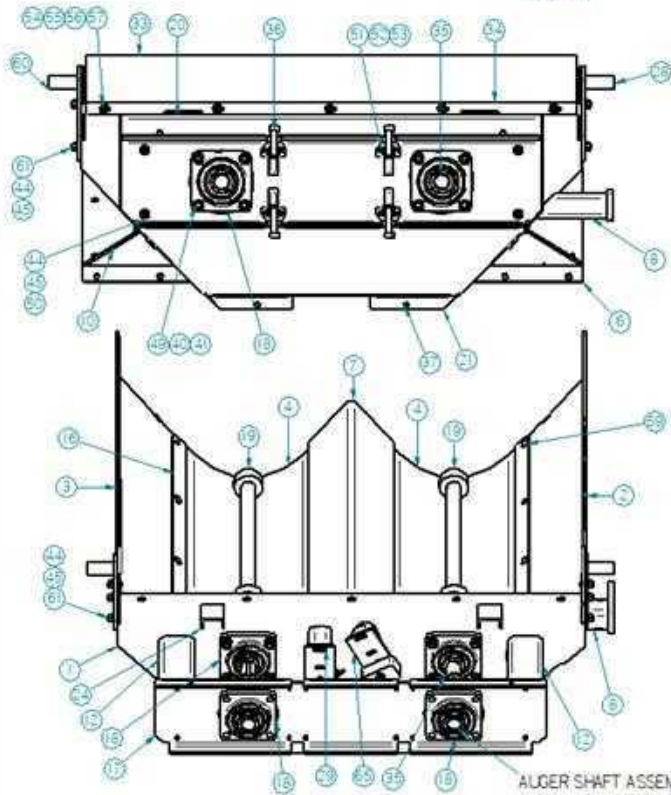
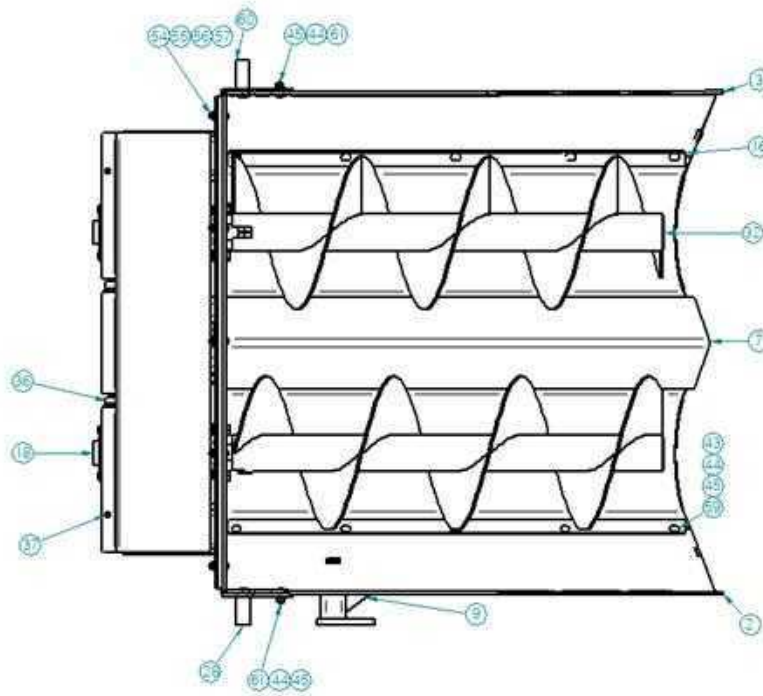
 THESE ITEMS ARE IN PARTS BAG #A7616

 ALIGN BOTTOM OF LINKAGE MOUNT PLATE ASSEMBLY (ITEM #30) TO TOP OF DISCHARGE SIDE CENTERED IN SLOTS

Discharge - New Style

DISCHARGE GROUP, DUAL MEDIUM (NEW STYLE) - A8281

DISCHARGE ASSEMBLY, DUAL MEDIUM (NEW STYLE) - A22196



AUGER SHAFT ASSEMBLY IS
FLUSH WITH BEARING COLLAR

Discharge - New Style

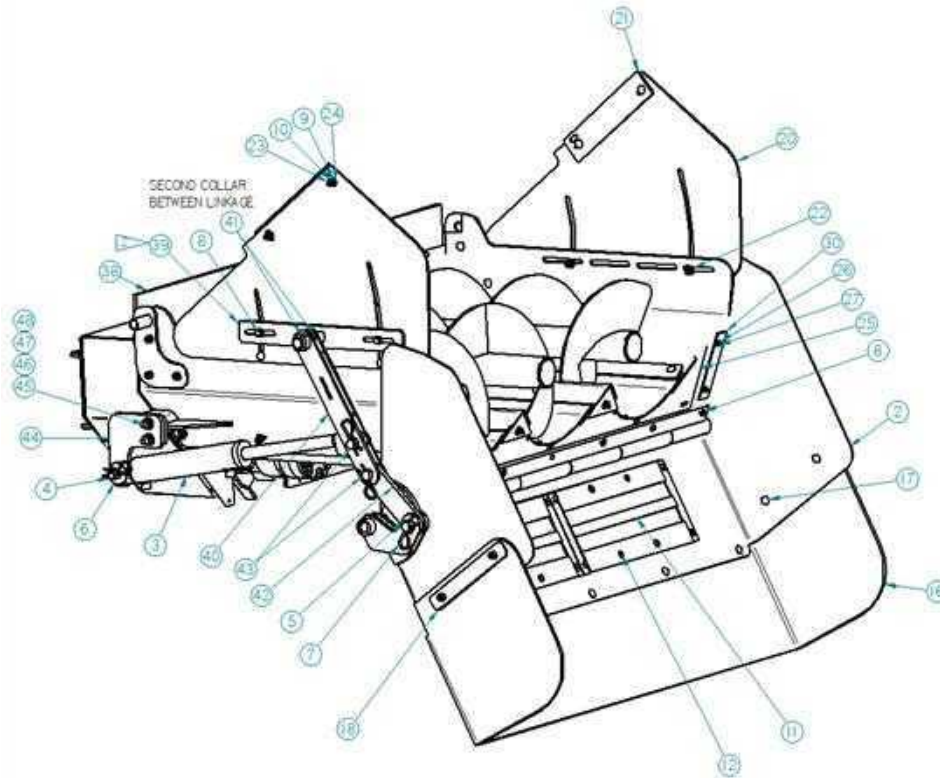
DISCHARGE GROUP, DUAL MEDIUM (NEW STYLE) - A8281

DISCHARGE ASSEMBLY, DUAL MEDIUM (NEW STYLE) - A22196

ITEM #	QTY	PART #	DESCRIPTION
65	1	A22130	CHAIN STAND - OFF ASS'Y (SHORT)
64	2	103040	SNAP RING, 1-1/4" SHAFT
63	2	104256	SCREW, SOCKET HD 5/16-18 X 1
62	2	17874	TAB, DISCHARGE TENSIONER
61	6	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5
60	1	A22154	DISCHARGE MOUNT ASS'Y (LEFT)
59	10	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE
58	1	300892C	SCREW, HX HD CAP 5/16-18 X 1 1/4
57	8	100297	NUT, HEX 5/16
56	8	100170	WASHER, LOCK 5/16
55	9	100713	WASHER, FLAT 5/16
54	5	104189	SCREW, CARRIAGE HD 5/16-18 X 1 1/4
53	8	102639	NUT, #10-24
52	8	104107	WASHER, LOCK #10
51	8	104108	HX HD SCREW, #10-24 X .75
50	4	101846	SCREW, HX HD CAP 3/8-16 X 1
49	16	101444	SCREW, HX HD CAP 1/2-13UNC x 1 1/2 GR5
48	1	103794	SNAP RING, 1" SHAFT
47	2	100250	NUT, HEX 1/2-20 UNF
46	2	100230	SCREW, HX HD CAP 1/2-20 UNF X 2
45	22	100254	NUT, HEX 3/8-16 UNC GR 5
44	22	100271	WASHER, LOCK 3/8"
43	12	100300	WASHER, FLAT 3/8" USS
42	2	104207	SCREW, CARRIAGE HD 3/8-16 X 2 3/4 GR 5
41	16	103795	NUT, HEX 1/2-13
40	18	100272	WASHER, 1/2 LOCK
39	2	100838	WASHER, 1/2 FLAT
37	4	101818	PIN, DOWEL 3/8 X 3/4 LG
36	4	103560	OVERCENTER LATCH
35	2	16340	KEY, SQ. 5/16 X 2 LG.
34	1	22153	STRAP, BACKPLATE FILLER (DUAL)
33	1	21896	FILLER, DISCHARGE BACKPLATE (DUAL)
32	2	A22170	DISCH AUGER ASS'Y -MED (NEW)
31	1	104209	CHAIN, #60 64 PITCHES AND CONNECTOR
30	2	22132	UHMW TENSION BLOCK
29	1	A22127	CHAIN STAND - OFF ASS'Y (LONG)
28	1	A22152	DISCHARGE MOUNT ASS'Y (RIGHT)
27	1	104208	CHAIN, #60 44 PITCHES AND CONN LINK
26	1	101845	SPROCKET, H60B17 -1 1/4 BORE W/KEY
25	1	102778	SPROCKET, DSH60A17 W/ 1 1/4 BORE
24	2	22149	SUPPORT, CHAIN GUARD
23	1	102128	SPROCKET, H60B17 1" BORE SPECIAL HUB
22	1	102980	MOTOR, ROSS HYDRAULIC
21	1	22148	GUARD, DISCHARGE CHAIN (LOWER) - DUAL
20	1	22147	GUARD, DISCHARGE CHAIN (UPPER) - DUAL
19	2	A22006	DISCHARGE AUGER SHAFT ASSEMBLY
18	4	104193	BEARING, 4 BOLT FLANGE 1 1/4 (SEALED)
17	1	22146	CHANNEL BEARING MOUNT - DUAL
16	2	22167	STRAP, DISCH BOTTOM - MED
12	2	A23157	BEARING CHANNEL MOUNT ASS'Y
11	1	23373	CHANNEL, DISCH MOTOR MNT - DUAL W/HOLES
10	2	22059	GUSSET, DISCH FRONT PLATE
9	1	16348	GUSSET, 1/4 X 4 1/2 X 6
8	1	A22164	DISC CYL MNT ASS'Y -MED (NEW)
7	1	A22198	FORMED PEAK ASS'Y, (DUAL) MED
6	1	22143	FRONT PLATE, DISCHARGE - DUAL
5	1	22197	ANGLE, DISCH AUGER BOTTOM DUAL (MED)
4	2	22165	AUGER BOTTOM, DISCH - MED
3	1	22133	SIDE, DISCHARGE (LEFT) - MED
2	1	22134	SIDE, DISCHARGE (RIGHT) - MED
1	1	22138	BACKPLATE, DISCH DUAL (NEW)

Discharge - New Style

DISCHARGE GROUP, TRIPLE SHORT (NEW STYLE) - A8262



ITEM #	QTY	PART #	DESCRIPTION
25	2	20935	SHIELD, DISCHARGE WING
24	12	100300	WASHER FLAT 3/8" USS
23	4	101996	SCREW, CARRIAGE HD 3/8-16 UNC X 1 1/2 GR 5
22	4	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5
21	2	16078	BAR, SPACER 1/4 X 2 1/2 X 11
20	2	21961	DISCH HANGER, SHORT (5" HIGHER)
18	2	21569	BAR, FLAT 1/4" SM SUPPORT
17	9	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE
16	1	21592	RUBBER MAT, DROP CHUTE SPOUT, SHORT TRIPLE
12	16	102283	SCREW TRUSS HEAD, 5/16-16 UNC X 3/4 GR 2
11	2	100985	MAGNET, 8 X 18 1/2
10	25	100254	NUT, HEX 3/8 -16-UNC GR 5
9	25	100271	WASHER, LOCK 3/8"
8	8	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4
7	4	101018	CLIP, HAIR PIN
6	1	100556	WASHER, 3/4 FLAT
5	1	A22203	PIN ASSEMBLY, 1" X 2 3/8" LG
4	1	A21476	PIN ASSY, HEIGHT CONTROL
3	1	A22384	CYLINDER ASSY, DROP CHUTE -NEW
2	1	A22387	DROP CHUTE ASSY, TRIPLE -NEW

ITEM #	QTY	PART #	DESCRIPTION
48	2	103795	NUT, HEX 1/2-13
47	2	100272	WASHER, 1/2 LOCK
46	2	100838	WASHER, 1/2 FLAT
45	2	103846	SCREW, HX HD CAP 1/2 -13 UNC X 2
44	1	22606	DROP CHUTE CYL MOUNT (BOLTED)
43	2	A23191	PIN ASSEMBLY, 1" DIA. X 1 5/8" LONG
42	1	22795	LINKAGE DROP CHUTE CYLINDER (SHORT)
41	2	101829	COLLAR, SET SCREW 1 ID X 1 5/8 OD
40	1	A23189	DROP CHUTE LINKAGE ASSEMBLY
39	1	A22609	LINKAGE MOUNT PLATE ASSY - SHORT
38	1	A21993	DISCHARGE ASSY, TRIPLE -SHORT INEW
37	4	100221	NUT, HEX, 1/4-20, UNC, GR 5
36	4	100304	WASHER, LOCK, 1/4 CADMIUM PLATED
35	1	21594	BAR, FLAT, 1/4" RUBBER MAT SUPPORT
34	16	100297	NUT, HEX 5/16
33	16	100170	WASHER, LOCK 5/16
32	16	100713	WASHER, FLAT 5/16
30	2	20936	SHIELD PLATE, DISCHARGE WING
27	4	100858	SCREW, HX HD CAP 1/4-20 X 1
26	6	100443	WASHER FLAT, 1/4"
25	2	20935	SHIELD, DISCHARGE WING

NOTE



THESE ITEMS ARE IN PARTS BAG #A7616

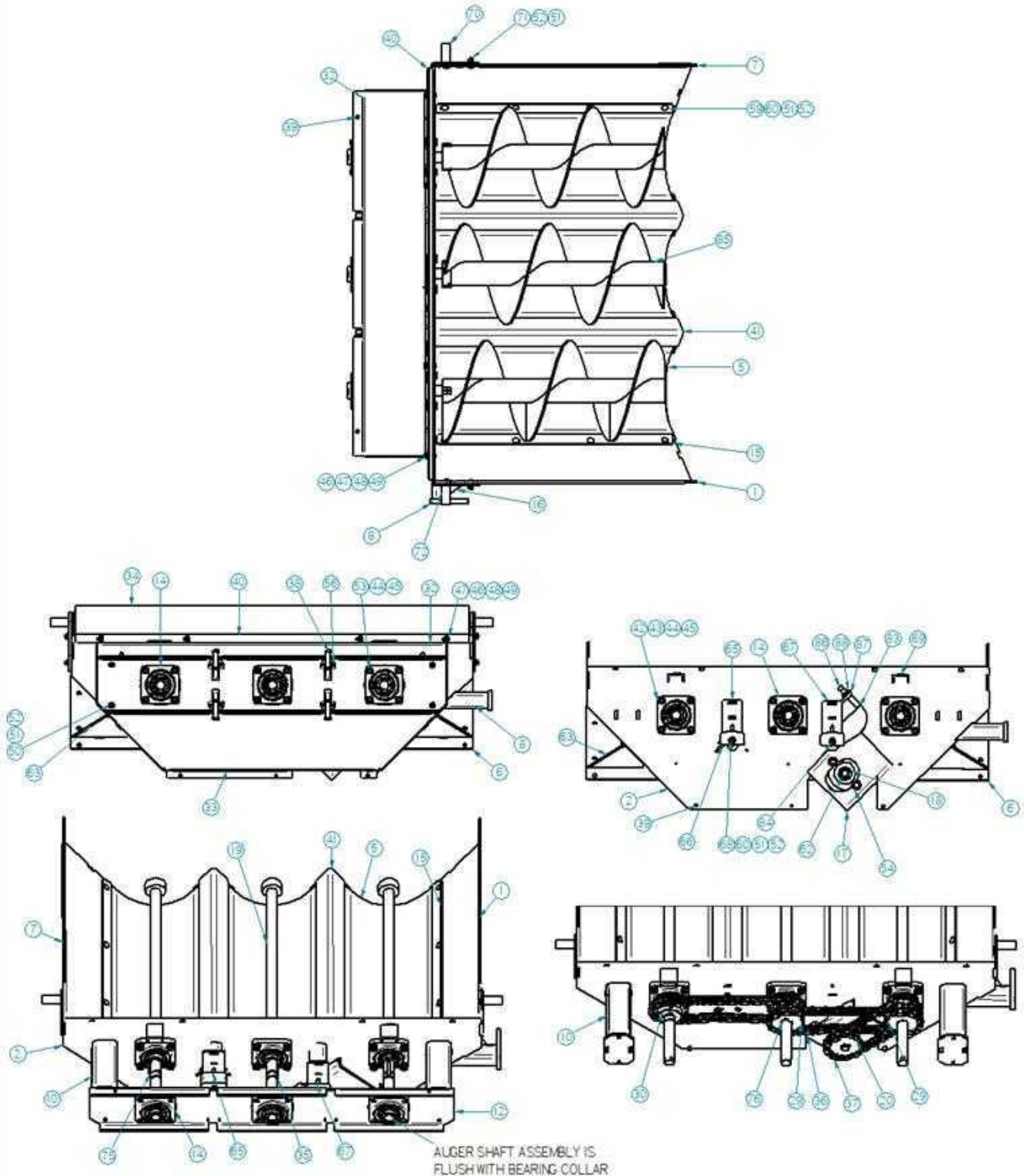


ALIGN BOTTOM OF LINKAGE MOUNT PLATE ASSEMBLY (ITEM 39) TO TOP OF DISCHARGE SIDE CENTERED IN SLOTS

Discharge - New Style

DISCHARGE GROUP, TRIPLE SHORT (NEW STYLE) - A8262

DISCHARGE ASSEMBLY, TRIPLE SHORT (NEW STYLE) - A21993



Discharge - New Style

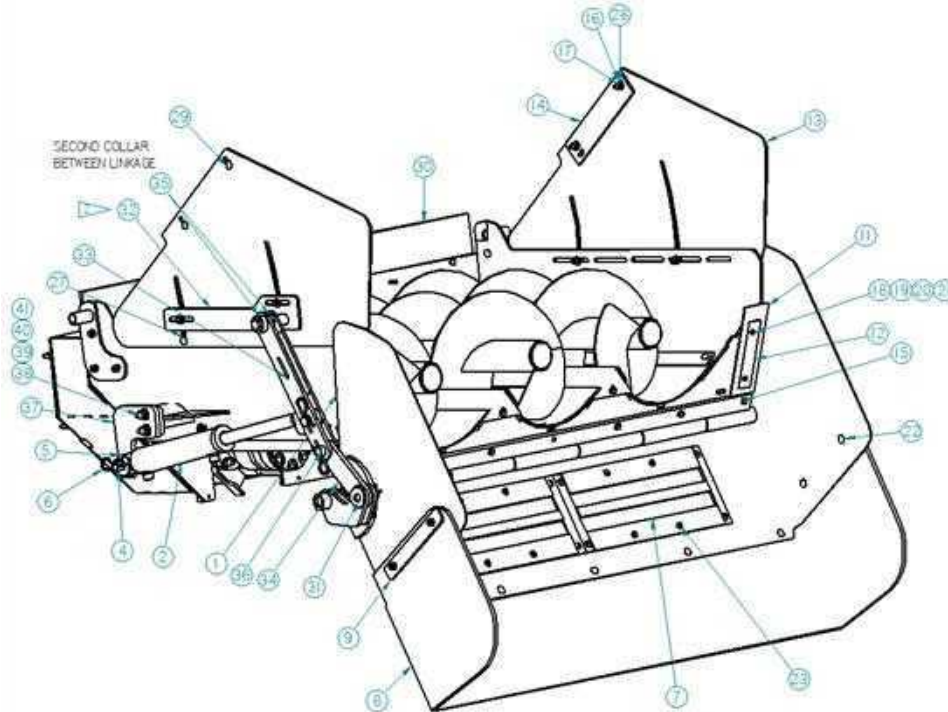
DISCHARGE GROUP, TRIPLE SHORT (NEW STYLE) - A8262

DISCHARGE ASSEMBLY, TRIPLE SHORT (NEW STYLE) - A21993

ITEM #	QTY	PART #	DESCRIPTION
88	1	104018	JAM NUT, 5/8-18 UNF GR 5
87	1	24699	TAB, DISCHARGE MOTOR CHAIN TENSIONER
86	1	103790	SO HD SET SCREW 5/8-11 X 3 LG
85	3	A22011	DISCH AUGER ASSY -SHORT (NEW)
84	1	101661	SCREW, HX HD CAP 3/8-16 X 4
83	1	23178	TENSIONER, DISCH MOTOR - TRIPLE
82	3	104256	SCREW, SOCKET HD 5/16-18 X 1
81	3	17874	TAB, DISCHARGE TENSIONER
80	2	300892C	SCREW, HX HD CAP 5/16-18 X 1 1/4
76	3	103040	SNAP RING, 1-1/4" SHAFT
75	1	19083	KEY, SQ 5/16 X 1 1/16
72	1	A22152	DISCHARGE MOUNT ASSY (RIGHT)
71	6	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5
70	1	A22154	DISCHARGE MOUNT ASSY (LEFT)
69	2	22149	SUPPORT, CHAIN GUARD
68	1	104207	SCREW, CARRIAGE HD 3/8-16 X 2 3/4 GR 5
67	1	A22127	CHAIN STAND-OFF ASSY (LONG)
66	2	22132	UHMW TENSION BLOCK
65	1	A22130	CHAIN STAND-OFF ASSY (SHORT)
64	2	21992	ANGLE, DISCHARGE AUGER BOTTOM
63	2	22059	GUSSET, DISCH FRONT PLATE
62	1	103794	SNAP RING, 1" SHAFT
60	2	100300	WASHER, FLAT 3/8" USS
59	8	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE
56	8	104108	HX HD SCREW, #10-24 X .75
54	2	100230	SCREW, HX HD CAP 1/2 -20 UNF X 2
53	24	101444	SCREW, HX HD CAP 1/2-13UNC x 1 1/2 GR 5
52	20	100254	NUT, HEX 3/8 -16 UNC GR 5
51	14	100271	WASHER, LOCK 3/8"
50	4	101846	SCREW, HX HD CAP 3/8 - 16 X 1
49	9	100297	NUT, HEX 5/16
48	9	100170	WASHER, LOCK 5/16
47	9	100713	WASHER, FLAT 5/16
46	4	104189	SCREW, CARRIAGE HD 5/16-18 X 1 1/4
45	24	103795	NUT, HEX 1/2-13
44	25	100272	WASHER, 1/2 LOCK
42	2	100838	WASHER, 1/2 FLAT
41	2	A22019	FORMED PEAK ASSEMBLY (TRIPLE)
40	1	22021	STRAP, BACKPLATE FILLER (TRIPLE)
39	5	101818	PIN, DOWEL 3/8 X 3/4 LG
38	4	103560	OVERCENTER LATCH
37	1	102765	CHAIN, #60 -42P AND CONN LINK
36	2	102764	CHAIN, #60 -54P AND CONN LINK
35	2	16340	KEY, SQ 5/16 X 2 LG
34	1	22014	FILLER, DISCHARGE BACKPLATE (TRIPLE)
33	1	22013	GUARD, DISCHARGE CHAIN (LOWER)-TRIPLE
32	1	22012	GUARD, DISCHARGE CHAIN (UPPER)-TRIPLE
30	1	101845	SPROCKET, H60B17 -1 1/4 BORE W/KEY
29	2	102778	SPROCKET, DSH60A17 W/ 1 1/4 BORE
20	1	102128	SPROCKET, H60B17 1" BORE SPECIAL HUB
19	3	A22006	DISCHARGE AUGER SHAFT ASSEMBLY
18	1	102980	MOTOR, ROSS HYDRAULIC
17	1	23372	CHANNEL, DISCH MOTOR MNT - TRIPLE
16	1	16348	GUSSET, 1/4 X 4 1/2 X 6
15	2	22002	STRAP, DISCHARGE BOTTOM
14	6	104193	BEARING, 4 BOLT FLANGE 1 1/4 (SEALED)
12	1	21998	CHANNEL, BEARING MOUNT -TRIPLE
10	2	A23157	BEARING CHANNEL MOUNT ASSY
8	1	A21995	DISCH CYLINDER MNT ASSY (NEW)
7	1	21987	SIDE, DISCHARGE (LEFT)-SHORT
6	1	21989	FRONT PLATE, DISCHARGE -TRIPLE
5	3	21991	AUGER BOTTOM, DISCHARGE -SHORT
2	1	21986	BACK PLATE, DISCH -TRIPLE (NEW)
1	1	21988	SIDE, DISCHARGE (RIGHT)-SHORT

Discharge - New Style

DISCHARGE GROUP, TRIPLE MEDIUM (NEW STYLE) - A8279



ITEM #	QTY	PART #	DESCRIPTION
20	4	100304	WASHER, LOCK 1/4 CADMIUM PLATED
19	4	100443	WASHER, FLAT, 1/4"
18	4	100858	SCREW, HX HD CAP 1/4-20 X 1
17	25	100254	NUT, HEX 3/8 -16 UNC GR 5
16	25	100271	WASHER, LOCK 3/8"
15	8	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4
14	2	16078	BAR, SPACER 1/4 X 2 1/2 X 11
13	2	21962	DISCH HANGER, MEDIUM (5" HIGH)
12	2	20936	SHIELD PLATE, DISCHARGE WING
11	2	20935	SHIELD, DISCHARGE WING
10	1	21594	BAR, FLAT, 1/4" RUBBER MAT SUPPORT
9	2	21569	BAR, FLAT 1/4" SM SUPPORT
8	1	21592	RUBBER MAT, DROP CHUTE SPOUT, SHORT, TRIPLE
7	2	100985	MAGNET, 8 X 18 1/2
6	4	101018	CLIP, HAIR PIN
5	1	100556	WASHER, 3/4 FLAT
4	1	A21476	PIN ASSY, HEIGHT CONTROL
2	1	A22384	CYLINDER ASSY, DROP CHUTE -NEW
1	1	A22387	DROP CHUTE ASSY, TRIPLE -NEW

ITEM #	QTY	PART #	DESCRIPTION
41	2	103795	NUT, HEX 1/2-13
40	2	100272	WASHER, 1/2 LOCK
39	2	100838	WASHER, 1/2 FLAT
38	2	103846	SCREW, HX HD CAP 1/2 -13 UNC X 2
37	1	22606	DROP CHUTE CYL MOUNT (BOLTED)
36	2	A23191	PIN ASSEMBLY, 1" DIA X 1 5/8" LONG
35	2	101829	COLLAR, SET SCREW 1 ID X 1 5/8 OD
34	1	22795	LINKAGE, DROP CHUTE CYLINDER (SHORT)
33	1	A23189	DROP CHUTE LINKAGE ASSEMBLY
32	1	A23222	LINKAGE MOUNT PLATE ASSY - MEDIUM
31	1	A22203	PIN ASSEMBLY, 1" X 2 3/8" LG
30	1	A22135	DISCH ASSY, TRIPLE -MED NEW
29	4	101996	SCREW, CARRIAGE HD 3/8-16 UNC X 1 1/2 GR 5
28	12	100300	WASHER, FLAT 3/8" USS
27	4	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5
26	16	100297	NUT, HEX 5/16
25	16	100170	WASHER, LOCK 5/16
24	16	100713	WASHER, FLAT 5/16
23	16	102283	SCREW, TRUSS HEAD, 5/16-18 UNC X 3/4 GR 2
22	9	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE
21	4	100221	NUT, HEX 1/4-20 UNC GR 5

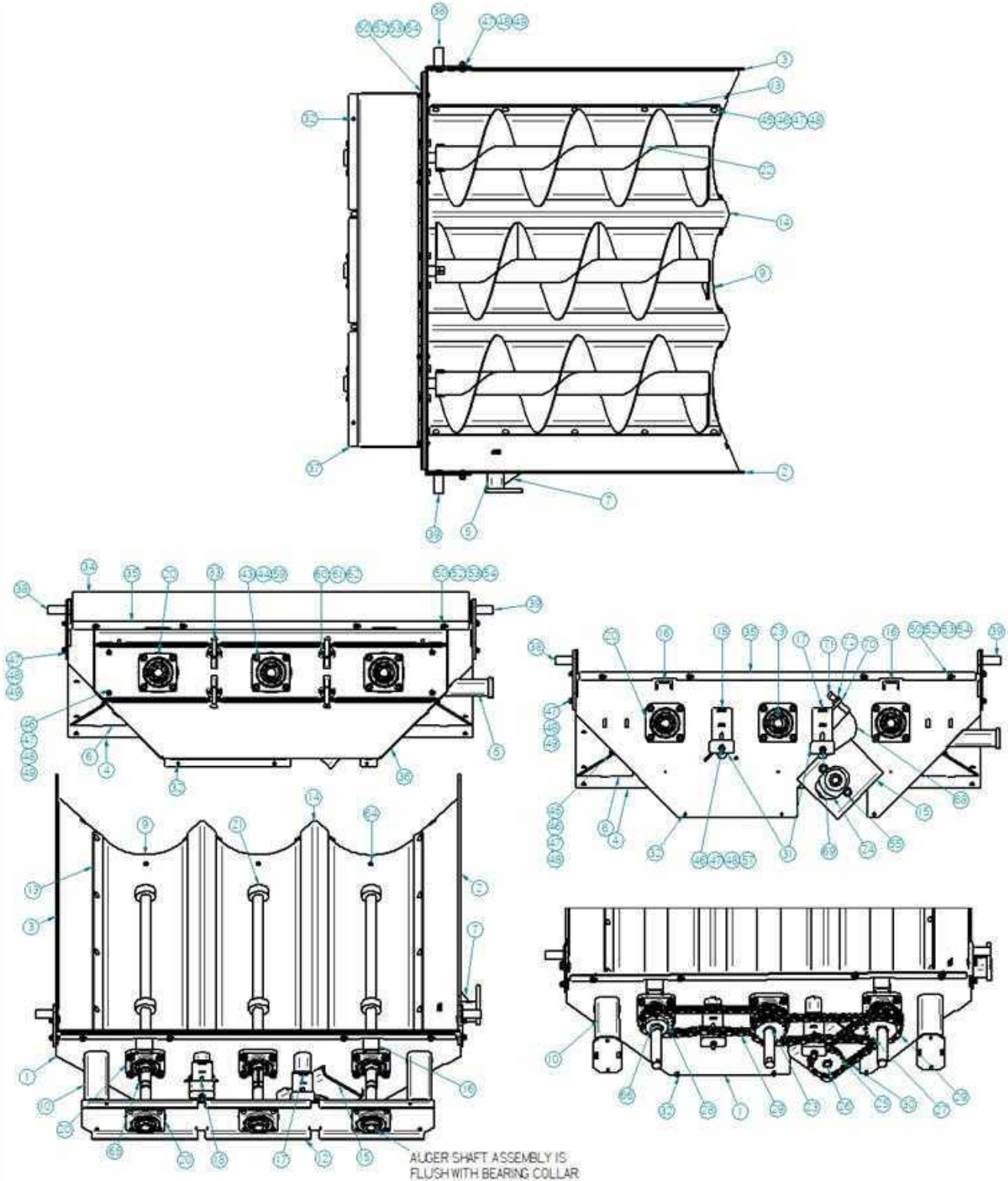
NOTE:

- 1 THESE ITEMS ARE IN PARTS BAG #A7616
- 2 ALIGN BOTTOM OF LINKAGE MOUNT PLATE ASSEMBLY (ITEM #32) TO TOP OF DISCHARGE SIDE CENTERED IN SLOTS

Discharge - New Style

DISCHARGE GROUP, TRIPLE MEDIUM (NEW STYLE) - A8279

DISCHARGE ASSEMBLY, TRIPLE MEDIUM (NEW STYLE) - A22135



Discharge - New Style

DISCHARGE GROUP, TRIPLE MEDIUM (NEW STYLE) - A8279

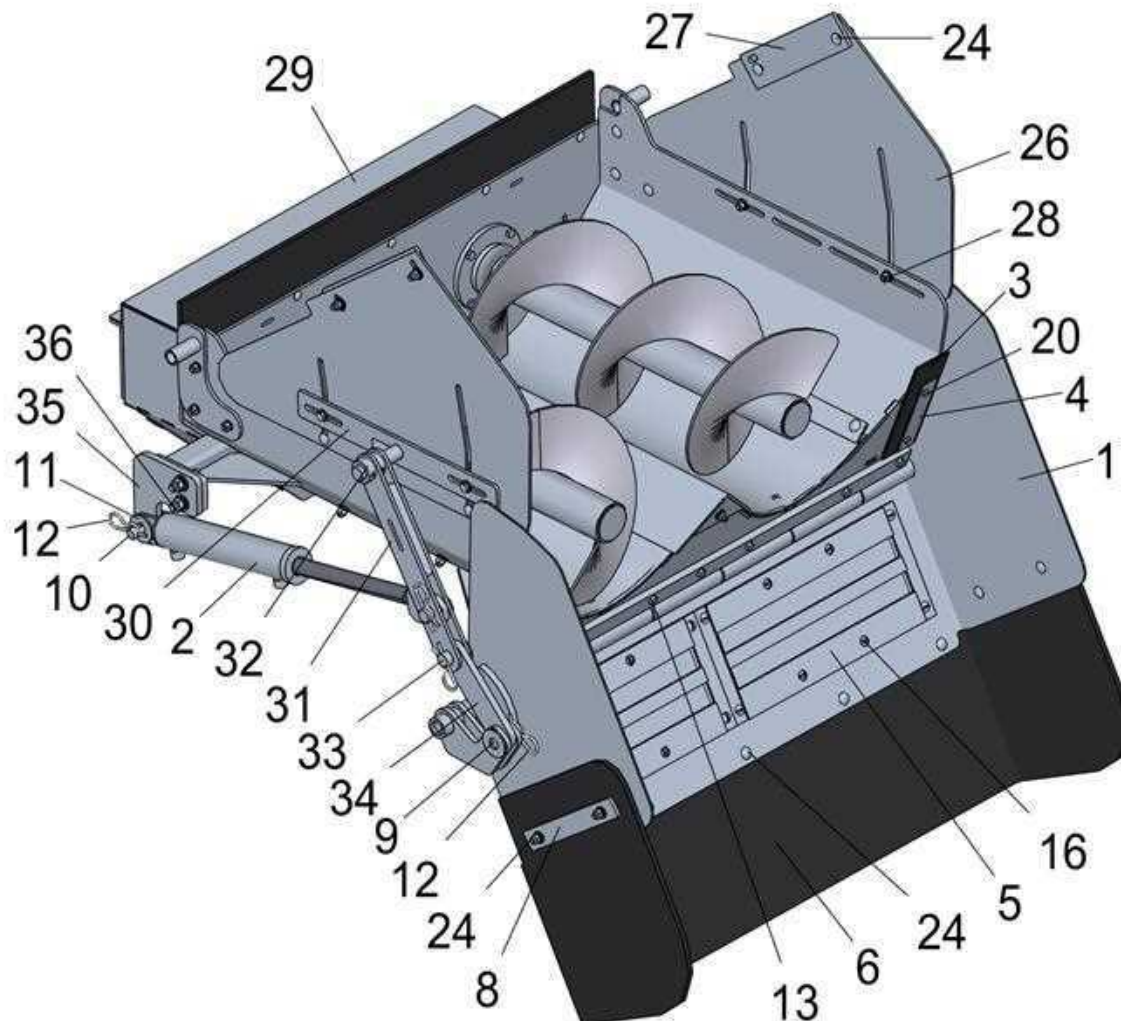
DISCHARGE ASSEMBLY, TRIPLE MEDIUM (NEW STYLE) - A22135

ITEM #	QTY	PART #	DESCRIPTION
72	1	104018	JAM NUT, 5/8-18 UNF GR 5
71	1	103790	SO HD SET SCREW 5/8-11 X 3 LG
70	1	24699	TAB, DISCHARGE MOTOR CHAIN TENSIONER
69	1	101661	SCREW, HX HD CAP 3/8-16 X 4
68	1	23178	TENSIONER, DISCH MOTOR - TRIPLE
66	3	103040	SNAP RING, 1-1/4" SHAFT
65	1	19083	KEY, SQ 5/16 X 1 1/16
64	3	104256	SCREW, SOCKET HD 5/16-18 X 1
63	3	17874	TAB, DISCHARGE TENSIONER
62	8	102639	NUT, #10-24
61	8	104107	WASHER, LOCK #10
60	8	104108	HX HD SCREW, #10-24 X .75
59	24	101444	SCREW, HX HD CAP 1/2-13UNC x 1 1/2 GR5
58	4	101846	SCREW, HX HD CAP 3/8-16 X 1
57	1	104207	SCREW, CARRIAGE HD 3/8-16 X 2 3/4 GR 5
56	2	100250	NUT, HEX 1/2-20 UNF
55	2	100230	SCREW, HX HD CAP 1/2-20 UNF X 2
54	4	104189	SCREW, CARRIAGE HD 5/16-18 X 1 1/4
53	9	100297	NUT, HEX 5/16
52	9	100170	WASHER, LOCK 5/16
51	2	300892 C	SCREW, HX HD CAP 5/16-18 X 1 1/4
50	11	100713	WASHER, FLAT 5/16
49	6	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5
48	22	100254	NUT, HEX 3/8-16 UNC GR 5
47	22	100271	WASHER, LOCK 3/8"
46	13	100300	WASHER, FLAT 3/8" USS
45	10	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE
44	24	103795	NUT, HEX 1/2-13
43	26	100272	WASHER, 1/2 LOCK
41	2	100838	WASHER, 1/2 FLAT

ITEM #	QTY	PART #	DESCRIPTION
39	1	A22152	DISCHARGE MOUNT ASSY (RIGHT)
38	1	A22154	DISCHARGE MOUNT ASSY (LEFT)
37	1	22012	GUARD, DISCHARGE CHAIN (UPPER) TRIPLE
36	1	22013	GUARD, DISCHARGE CHAIN (LOWER) TRIPLE
35	1	22021	STRAP, BACKPLATE FILLER (TRIPLE)
34	1	22014	FILLER, DISCHARGE BACKPLATE (TRIPLE)
33	4	103560	OVERCENTER LATCH
32	5	101818	PIN, DOWEL 3/8 X 3/4 LG
31	2	22132	UHMW TENSION BLOCK
30	1	102765	CHAIN, #60-42P AND CONN LINK
29	2	102764	CHAIN, #60-54P AND CONN LINK
28	1	101845	SPROCKET, H60B17-1 1/4 BORE W/KEY
27	2	102778	SPROCKET, DSH60A17 W/ 1 1/4 BORE
26	1	103794	SNAP RING, 1" SHAFT
25	1	102128	SPROCKET, H60B17 1" BORE SPECIAL HUB
24	1	102980	MOTOR, ROSS HYDRAULIC
23	2	16340	KEY, SQ. 5/16 X 2 LG.
22	3	A22170	DISCH AUGER ASSY -MED (NEW)
21	3	A22006	DISCHARGE AUGER SHAFT ASSEMBLY
20	6	104193	BEARING, 4 BOLT FLANGE 1 1/4 (SEALED)
18	1	A22130	CHAIN STAND-OFF ASSY (SHORT)
17	1	A22127	CHAIN STAND-OFF ASSY (LONG)
16	2	22149	SUPPORT, CHAIN GUARD
15	1	23372	CHANNEL, DISCH MOTOR MNT - TRIPLE
14	2	A22169	FORMED PEAK ASSY (TRIPLE) MED
13	2	22167	STRAP, DISCH BOTTOM -MED
12	1	21998	CHANNEL BEARING MOUNT -TRIPLE
10	2	A23157	BEARING CHANNEL MOUNT ASSY
9	3	22165	AUGER BOTTOM, DISCH -MED
8	2	22166	ANGLE, DISCHARGE AUGER BOTTOM
7	1	16348	GUSSET, 1/4 X 4 1/2 X 6
6	2	22059	GUSSET, DISCH FRONT PLATE
5	1	A22164	DISC CYL MNT ASSY -MED (NEW)
4	1	21989	FRONT PLATE, DISCHARGE -TRIPLE
3	1	22133	SIDE, DISCHARGE (LEFT) -MED
2	1	22134	SIDE, DISCHARGE (RIGHT) -MED
1	1	21986	BACK PLATE, DISCH -TRIPLE (NEW)

Discharge - W/ Bearing Housing

DISCHARGE GROUP, DUAL SHORT W/ BEARING HOUSING - A8569



#	Part Number	Title	Quantity
1	A22388	DROP CHUTE ASS'Y, DUAL -NEW	1
2	A22384	CYLINDER ASS'Y, DROP CHUTE -NEW	1
3	20935	SHIELD, DISCHARGE WING	2
4	20936	SHIELD PLATE, DISCHARGE WING	2
5	100985	MAGNET, 8 X 18 1/2	2
6	21545	RUBBER MAT, DROP CHUTE SPOUT, SHORT	1
7	21556	BAR, RUBBER MAT SUPPORT	1
8	21569	BAR, FLAT 1/4" SM SUPPORT	2
9	A22203	PIN ASSEMBLY, 1" X 2 3/8" LG.	1

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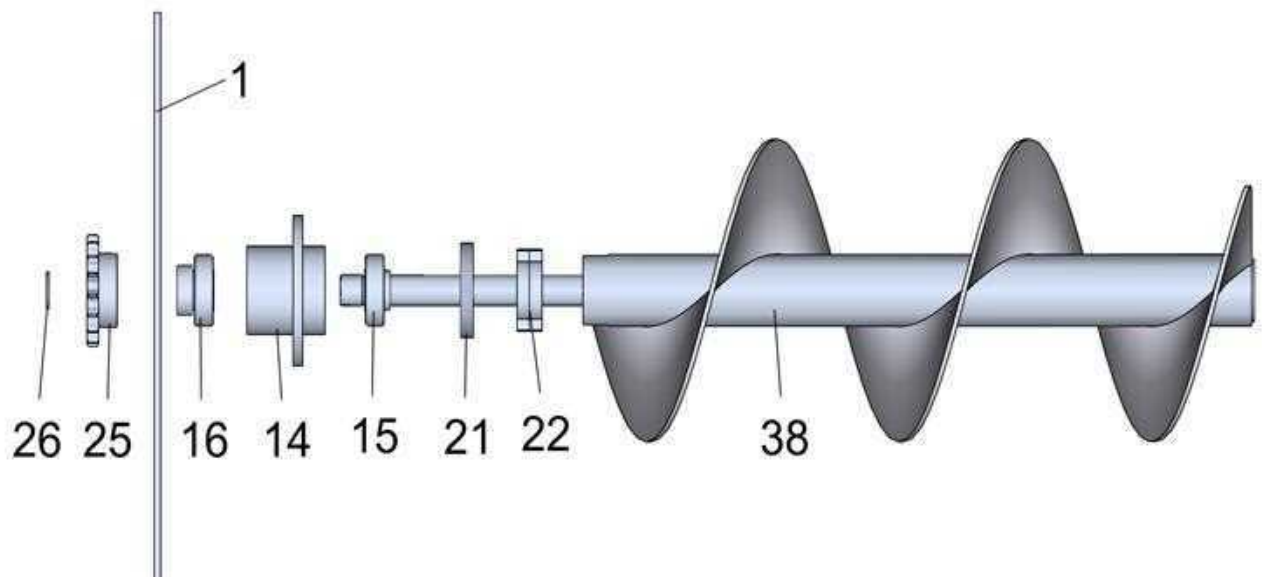
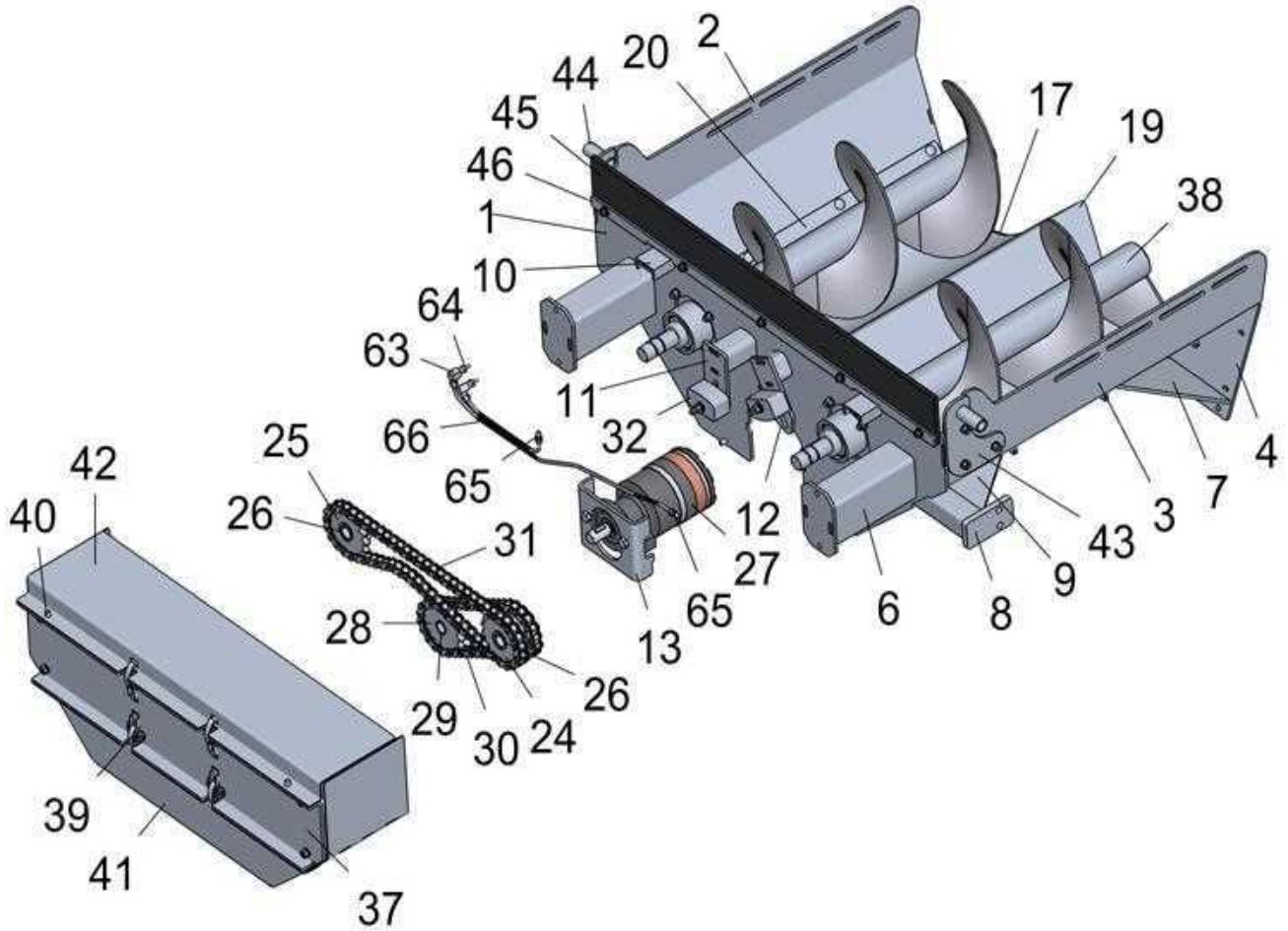
Discharge - W/ Bearing Housing

DISCHARGE GROUP, DUAL SHORT W/ BEARING HOUSING - A8569

#	Part Number	Title	Quantity
10	A21476	PIN ASSY, HEIGHT CONTROL	1
11	100556	WASHER, 3/4 FLAT	1
12	101018	CLIP, HAIR PIN	4
13	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4	9
14	100271	WASHER, LOCK 3/8"	26
15	100254	NUT, HEX 3/8 -16 UNC GR 5	26
16	102283	SCREW,TRUSS HEAD, 5/16-18 UNC x 3/4 GR 2	16
17	100713	WASHER, FLAT 5/16	16
18	100170	WASHER, LOCK 5/16	16
19	100297	NUT, HEX 5/16	16
20	100858	SCREW, HX HD CAP 1/4-20 X 1	4
21	100443	WASHER FLAT, 1/4"	4
22	100304	WASHER, LOCK 1/4 CADMIUM PLATED	4
23	100221	NUT, HEX, 1/4-20 UNC GR 5	4
24	101996	SCREW, CARRIAGE HD 3/8-16 UNC X 1 1/2 GR5	13
25	100300	WASHER, FLAT 3/8" USS	21
26	21961	DISCH HANGER, SHORT (5" HIGHER)	2
27	16078	BAR, SPACER 1/4 X 2 1/2 X 11	2
28	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	4
29	A24866	DISCH ASS'Y, DUAL SHORT WITH BEARING HOUSING	1
30	A22609	LINKAGE MOUNT PLATE ASS'Y - SHORT	1
31	A23189	DROP CHUTE LINKAGE ASSEMBLY	1
32	101829	COLLAR, SET SCREW 1 ID X 1 5/8 OD	2
33	A23191	PIN ASSEMBLY, 1" DIA. X 1 5/8" LONG	2
34	22795	LINKAGE, DROP CHUTE CYLINDER (SHORT)	1
35	22606	DROP CHUTE CYL MOUNT (BOLTED)	1
36	103846	SCREW, HX HD CAP 1/2 -13 UNC X 2	2
37	100838	WASHER, 1/2 FLAT	2
38	100272	WASHER, 1/2 LOCK	2
39	103795	NUT, HEX 1/2-13	2

Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, DUAL SHORT W/ BEARING HOUSING - A24866



Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, DUAL SHORT W/ BEARING HOUSING - A24866

#	Part Number	Title	Quantity
1	24741	BACKPLATE, DISCH-DUAL W/ BEARING HOUSING	1
2	21987	SIDE, DISCHARGE (LEFT)-SHORT	1
3	21988	SIDE, DISCHARGE (RIGHT)-SHORT	1
4	22143	FRONT PLATE, DISCHARGE - DUAL	1
5	22142	ANGLE, DISCH AUGER BOTTOM (DUAL)	1
6	A23157	BEARING CHANNEL MOUNT ASS'Y	2
7	22059	GUSSET, DISCH FRONT PLATE	2
8	A21995	DISCH CYLINDER MNT ASSY (NEW)	1
9	16348	GUSSET, 1/4 X 4 1/2 X 6	1
10	22149	SUPPORT, CHAIN GUARD	2
11	A22127	CHAIN STAND-OFF ASS'Y (LONG)	1
12	A22130	CHAIN STAND-OFF ASS'Y (SHORT)	1
13	23373	CHANNEL, DISCH MOTOR MNT - DUAL W/HOLES	1
14	A14590	AUGER BEARING HOUSING ASS'Y	2
15	16818	BEARING, 1 1/4 ID WITH 1 SEAL REMOVED (w/o collar)	2
16	16818	BEARING, 1 1/4 ID WITH 1 SEAL REMOVED	2
17	21991	AUGER BOTTOM, DISCHARGE -SHORT	2
18	17874	TAB, DISCHARGE TENSIONER	2
19	A22145	FORMED PEAK ASS'Y (DUAL)	1
20	22002	STRAP, DISCHARGE BOTTOM	2
21	16608	CAP, DISCHARGE BEARING 3 3/4 OD X 1 1/4 ID	2
22	A24652	DISCHARGE AUGER SHAFT ASS'Y - BEARING HOUSING	2
23	16340	KEY, SQ. 5/16 X 2 LG.	2
24	102778	SPROCKET, DSH60A17 W/ 1 1/4 BORE	1
25	101845	SPROCKET, H60B17 -1 1/4 BORE W/KEY	1
26	103040	SNAP RING, 1-1/4" SHAFT	2
27	102980	MOTOR, ROSS HYDRAULIC	1
28	102128	SPROCKET, H60B17 1" BORE SPECIAL HUB	1
29	103794	SNAP RING, 1" SHAFT	1
30	104208	CHAIN, #60 44 PITCHES AND CONN LINK	1
31	104209	CHAIN, #60 64 PITCHES AND CONNECTOR	1
32	22132	UHMW TENSION BLOCK	2
33	104207	SCREW, CARRIAGE HD 3/8-16 X 2 3/4 GR 5	2

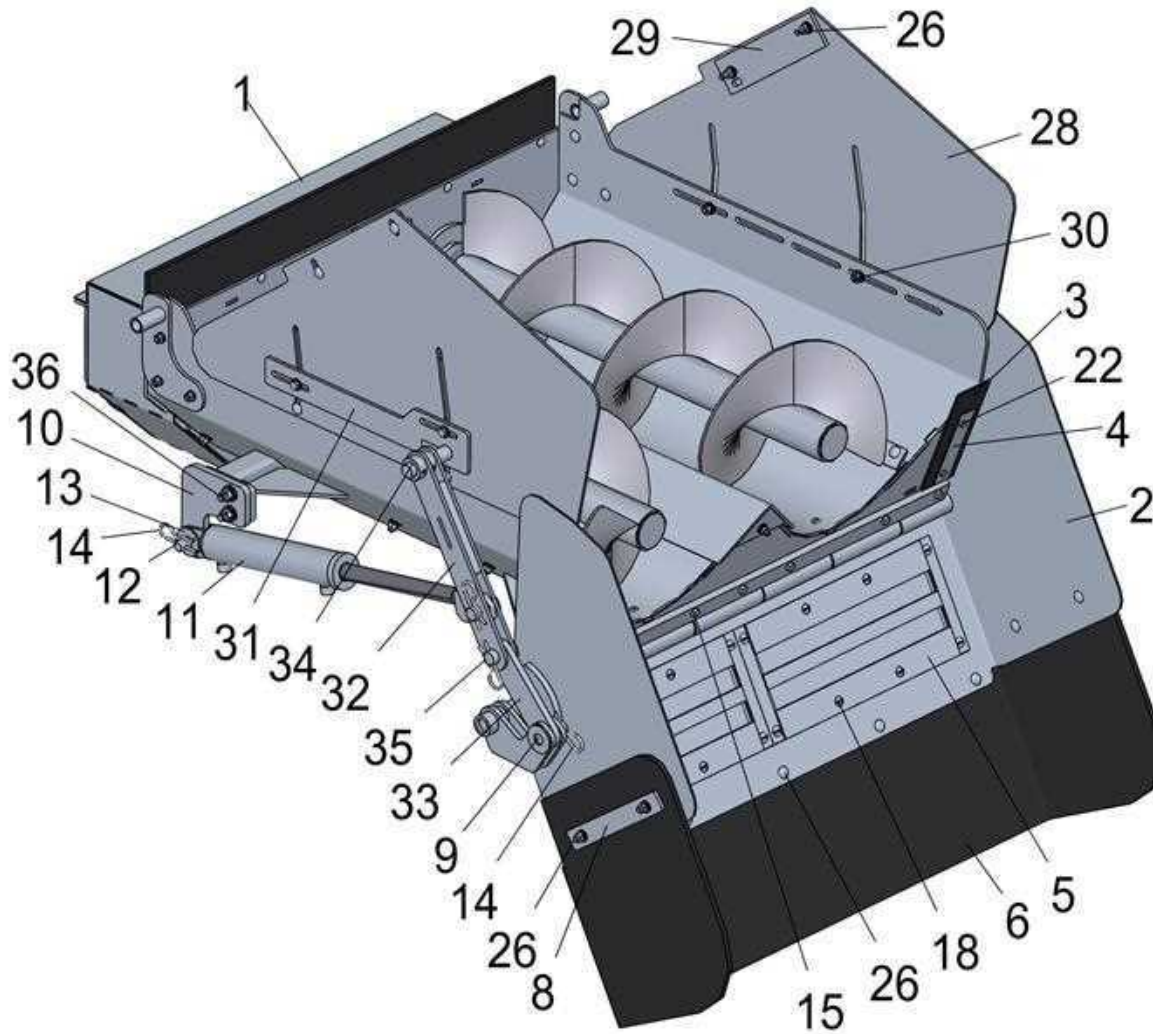
Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, DUAL SHORT W/ BEARING HOUSING - A24866

#	Part Number	Title	Quantity
34	100300	WASHER, FLAT 3/8" USS	10
35	100271	WASHER, LOCK 3/8"	28
36	100254	NUT, HEX 3/8 -16 UNC GR 5	28
37	24734	CHANNEL, DUAL END PLATE	1
38	A22011	DISCH AUGER ASS'Y -SHORT (NEW)	2
39	103560	OVERCENTER LATCH	4
40	101818	PIN, DOWEL 3/8 X 3/4 LG	4
41	24742	GUARD, DISCH CHAIN-LOWER-DUAL W/CUTOUT	1
42	22147	GUARD, DISCHARGE CHAIN (UPPER)- DUAL	1
43	A22152	DISCHARGE MOUNT ASS'Y (RIGHT)	1
44	A22154	DISCHARGE MOUNT ASS'Y (LEFT)	1
45	21896	FILLER, DISCHARGE BACKPLATE (DUAL)	1
46	22153	STRAP, BACKPLATE FILLER (DUAL)	1
47	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE	8
48	104256	SCREW, SOCKET HD 5/16-18 X 1	2
49	100713	WASHER, FLAT 5/16	9
50	100170	WASHER, LOCK 5/16	8
51	100297	NUT, HEX 5/16	8
52	300892C	SCREW, HX HD CAP 5/16-18 X 1 1/4	1
53	300889	SCREW, HEX HD CAP 1/2-13 X 1 3/4	2
54	100272	WASHER, 1/2 LOCK	2
55	100250	NUT, HEX 1/2-20 UNF	2
56	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4	8
57	101846	SCREW, HX HD CAP 3/8 - 16 X 1	4
58	104108	HX HD SCREW, #10-24 X .75	8
59	104107	WASHER, LOCK #10	8
60	102639	NUT, #10 -24	8
61	104189	SCREW, CARRIAGE HD 5/16-18 X 1 1/4	5
62	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	6
63	102797	FITTING, COMPRESSION, 1/8 NPT (F) 1/4x90deg	2
64	102454	GREASE FITTING, 1/8 NPT (F)	2
65	102759	FITTING, COMPRESSION 1/8 NPT (M) X 1/4 STR.	2
66	6060031	GREASELINE	2

Discharge - W/ Bearing Housing

DISCHARGE GROUP, DUAL MEDIUM W/ BEARING HOUSING - A8582



#	Part Number	Title	Quantity
1	A24922	DISCH ASS'Y, DUAL -MED W/BEARING HOUSING	1
2	A22388	DROP CHUTE ASS'Y, DUAL -NEW	1
3	20935	SHIELD, DISCHARGE WING	2
4	20936	SHIELD PLATE, DISCHARGE WING	2
5	100985	MAGNET, 8 X 18 1/2	2
6	21545	RUBBER MAT, DROP CHUTE SPOUT, SHORT	1
7	21556	BAR, RUBBER MAT SUPPORT	1
8	21569	BAR, FLAT 1/4" SM SUPPORT	2
9	A22203	PIN ASSEMBLY, 1" X 2 3/8" LG.	1

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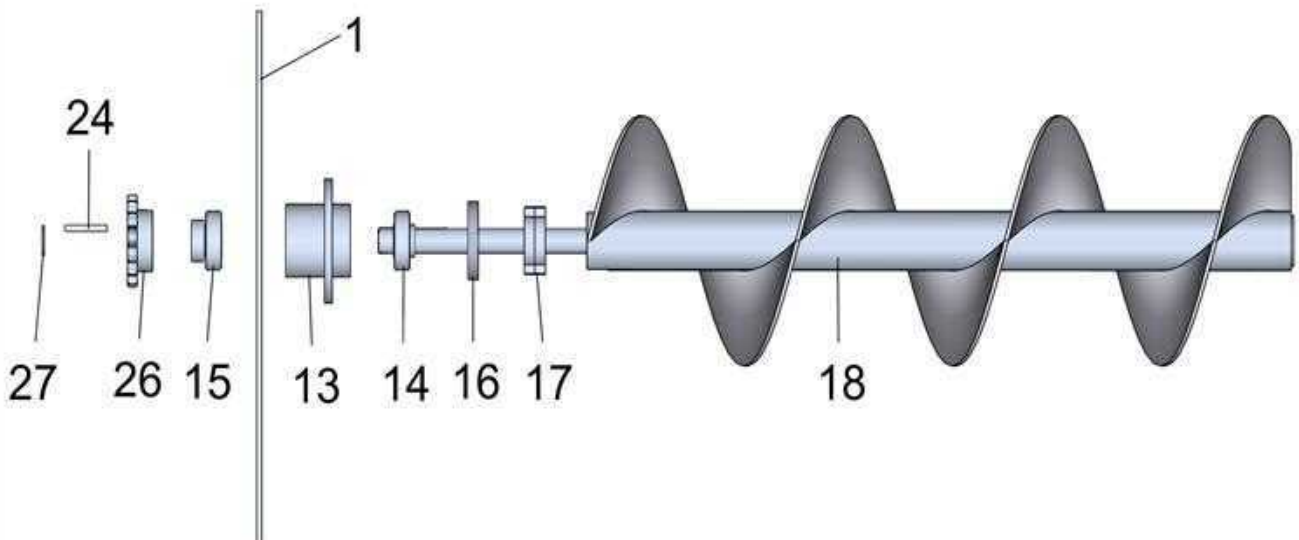
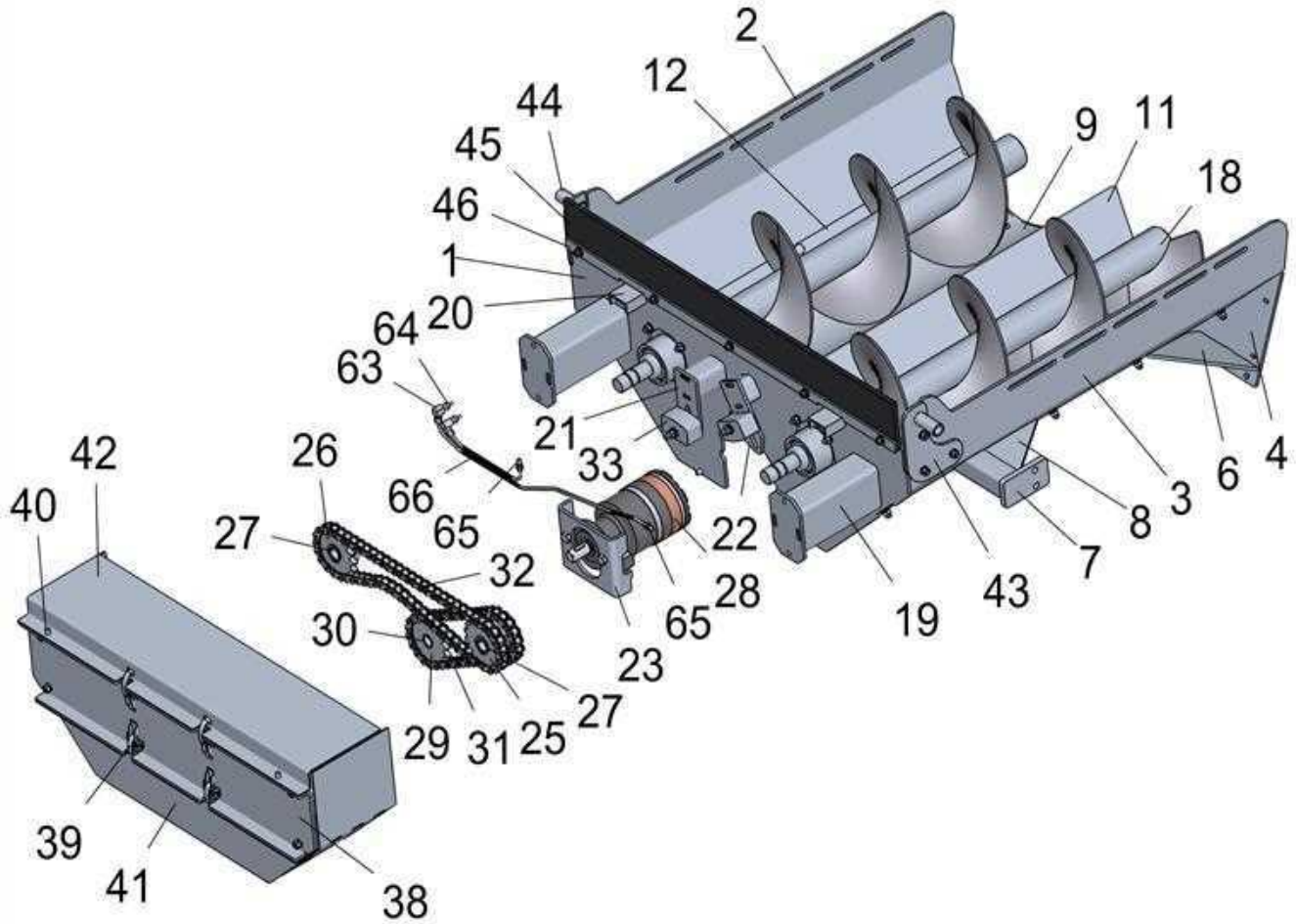
Discharge - W/ Bearing Housing

DISCHARGE GROUP, DUAL MEDIUM W/ BEARING HOUSING - A8582

#	Part Number	Title	Quantity
10	22606	DROP CHUTE CYL MOUNT (BOLTED)	1
11	A22384	CYLINDER ASS'Y, DROP CHUTE -NEW	1
12	A21476	PIN ASSY, HEIGHT CONTROL	1
13	100556	WASHER, 3/4 FLAT	1
14	101018	CLIP, HAIR PIN	4
15	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4	9
16	100271	WASHER, LOCK 3/8"	26
17	100254	NUT, HEX 3/8 -16 UNC GR 5	26
18	102283	SCREW,TRUSS HEAD, 5/16-18 UNC x 3/4 GR 2	16
19	100713	WASHER, FLAT 5/16	16
20	100170	WASHER, LOCK 5/16	16
21	100297	NUT, HEX 5/16	16
22	100858	SCREW, HX HD CAP 1/4-20 X 1	4
23	100443	WASHER FLAT, 1/4"	4
24	100304	WASHER, LOCK 1/4 CADMIUM PLATED	4
25	100221	NUT, HEX, 1/4-20 UNC GR 5	4
26	101996	SCREW, CARRIAGE HD 3/8-16 UNC X 1 1/2 GR5	13
27	100300	WASHER, FLAT 3/8" USS	21
28	21962	DISCH HANGER, MEDIUM (5" HIGHER)	2
29	16078	BAR, SPACER 1/4 X 2 1/2 X 11	2
30	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	4
31	A23222	LINKAGE MOUNT PLATE ASS'Y - MEDIUM	1
32	A23189	DROP CHUTE LINKAGE ASSEMBLY	1
33	22795	LINKAGE, DROP CHUTE CYLINDER (SHORT)	1
34	101829	COLLAR, SET SCREW 1 ID X 1 5/8 OD	2
35	A23191	PIN ASSEMBLY, 1" DIA. X 1 5/8" LONG	2
36	103846	SCREW, HX HD CAP 1/2 -13 UNC X 2	2
37	100838	WASHER, 1/2 FLAT	2
38	100272	WASHER, 1/2 LOCK	2
39	103795	NUT, HEX 1/2-13	2

Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, DUAL MEDIUM W/ BEARING HOUSING - A24922



Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, DUAL MEDIUM W/ BEARING HOUSING - A24922

#	Part Number	Title	Quantity
1	24741	BACKPLATE, DISCH-DUAL W/ BEARING HOUSING	1
2	22133	SIDE, DISCHARGE (LEFT)-MED	1
3	22134	SIDE, DISCHARGE (RIGHT)-MED	1
4	22143	FRONT PLATE, DISCHARGE - DUAL	1
5	24919	ANGLE, DISCH AUGER BOTTOM (DUAL MED)	1
6	22059	GUSSET, DISCH FRONT PLATE	2
7	A22164	DISC CYL MNT ASS'Y -MED (NEW)	1
8	16348	GUSSET, 1/4 X 4 1/2 X 6	1
9	22165	AUGER BOTTOM, DISCH -MED	2
10	17874	TAB, DISCHARGE TENSIONER	2
11	A24921	FORMED PEAK ASS'Y (DUAL MED)	1
12	22167	STRAP, DISCH BOTTOM -MED	2
13	A14590	AUGER BEARING HOUSING ASS'Y	2
14	16818	BEARING, 1 1/4 ID WITH 1 SEAL REMOVED (w/o collar)	2
15	16818	BEARING, 1 1/4 ID WITH 1 SEAL REMOVED	2
16	16608	CAP, DISCHARGE BEARING 3 3/4 OD X 1 1/4 ID	2
17	A24652	DISCHARGE AUGER SHAFT ASS'Y - BEARING HOUSING	2
18	A22170	DISCH AUGER ASS'Y -MED (NEW)	2
19	A23157	BEARING CHANNEL MOUNT ASS'Y	2
20	22149	SUPPORT, CHAIN GUARD	2
21	A22127	CHAIN STAND-OFF ASS'Y (LONG)	1
22	A22130	CHAIN STAND-OFF ASS'Y (SHORT)	1
23	23373	CHANNEL, DISCH MOTOR MNT - DUAL W/HOLES	1
24	16340	KEY, SQ. 5/16 X 2 LG.	2
25	102778	SPROCKET, DSH60A17 W/ 1 1/4 BORE	1
26	101845	SPROCKET, H60B17 -1 1/4 BORE W/KEY	1
27	103040	SNAP RING, 1-1/4" SHAFT	2
28	102980	MOTOR, ROSS HYDRAULIC	1
29	102128	SPROCKET, H60B17 1" BORE SPECIAL HUB	1
30	103794	SNAP RING, 1" SHAFT	1
31	104208	CHAIN, #60 44 PITCHES AND CONN LINK	1
32	104209	CHAIN, #60 64 PITCHES AND CONNECTOR	1
33	22132	UHMW TENSION BLOCK	2

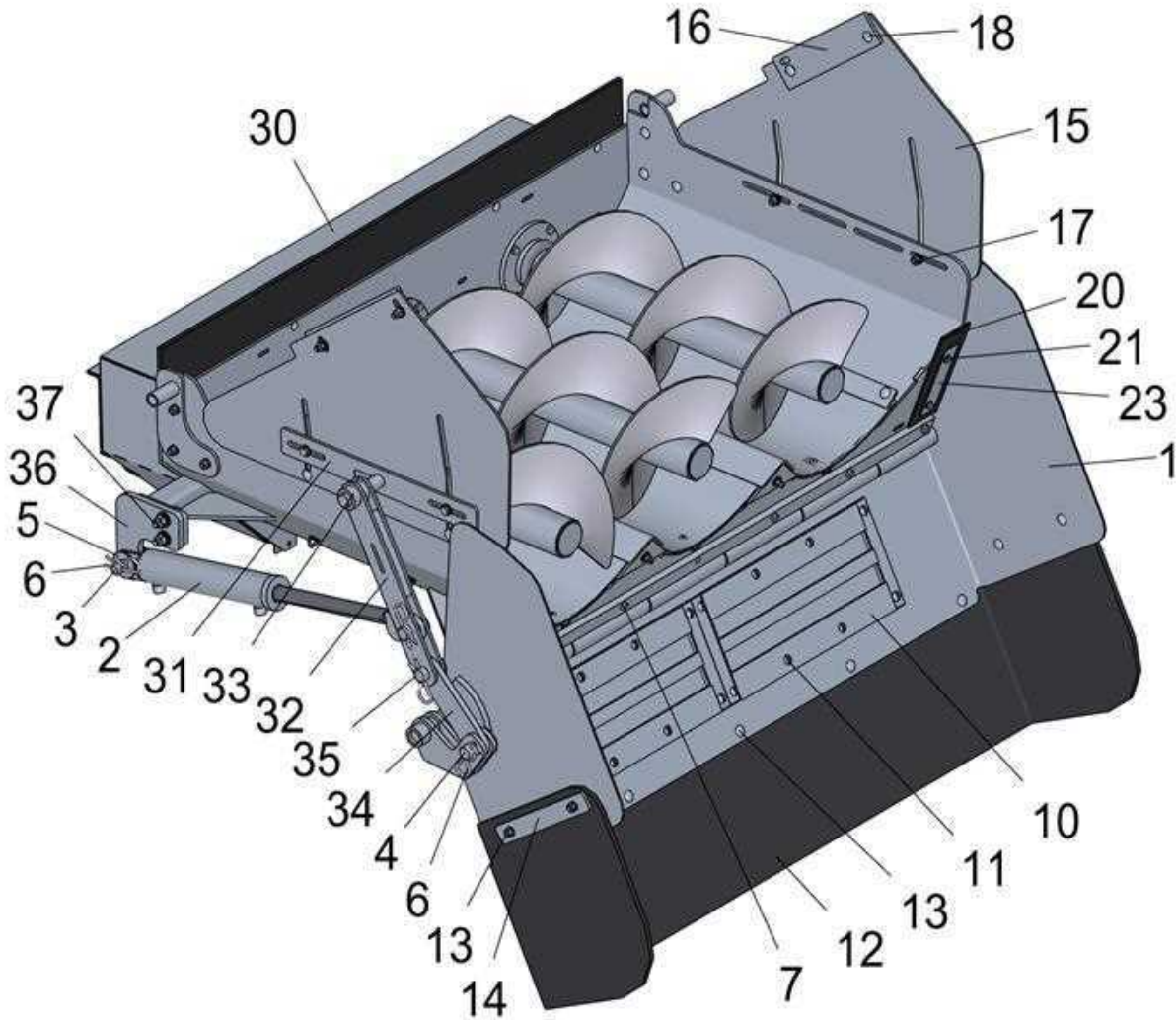
Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, DUAL MEDIUM W/ BEARING HOUSING - A24922

#	Part Number	Title	Quantity
34	104207	SCREW, CARRIAGE HD 3/8-16 X 2 3/4 GR 5	2
35	100300	WASHER, FLAT 3/8" USS	12
36	100271	WASHER, LOCK 3/8"	30
37	100254	NUT, HEX 3/8 -16 UNC GR 5	30
38	24734	CHANNEL, DUAL END PLATE	1
39	103560	OVERCENTER LATCH	4
40	101818	PIN, DOWEL 3/8 X 3/4 LG	4
41	24742	GUARD, DISCH CHAIN-LOWER-DUAL W/CUTOUT	1
42	22147	GUARD, DISCHARGE CHAIN (UPPER)- DUAL	1
43	A22152	DISCHARGE MOUNT ASS'Y (RIGHT)	1
44	A22154	DISCHARGE MOUNT ASS'Y (LEFT)	1
45	21896	FILLER, DISCHARGE BACKPLATE (DUAL)	1
46	22153	STRAP, BACKPLATE FILLER (DUAL)	1
47	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE	10
48	104256	SCREW, SOCKET HD 5/16-18 X 1	2
49	100713	WASHER, FLAT 5/16	9
50	100170	WASHER, LOCK 5/16	8
51	100297	NUT, HEX 5/16	8
52	300892C	SCREW, HX HD CAP 5/16-18 X 1 1/4	1
53	300889	SCREW, HEX HD CAP 1/2-13 X 1 3/4	2
54	100272	WASHER, 1/2 LOCK	2
55	100250	NUT, HEX 1/2-20 UNF	2
56	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4	8
57	101846	SCREW, HX HD CAP 3/8 - 16 X 1	4
58	104108	HX HD SCREW, #10-24 X .75	8
59	104107	WASHER, LOCK #10	8
60	102639	NUT, #10 -24	8
61	104189	SCREW, CARRIAGE HD 5/16-18 X 1 1/4	5
62	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	6
63	102797	FITTING, COMPRESSION, 1/8 NPT (F) 1/4x90deg	2
64	102454	GREASE FITTING, 1/8 NPT (F)	2
65	102759	FITTING, COMPRESSION 1/8 NPT (M) X 1/4 STR.	2
66	6060031	GREASELINE	2

Discharge - W/ Bearing Housing

DISCHARGE GROUP, TRIPLE SHORT W/ BEARING HOUSING - A8543



#	Part Number	Title	Quantity
1	A22387	DROP CHUTE ASS'Y, TRIPLE -NEW	1
2	A22384	CYLINDER ASS'Y, DROP CHUTE -NEW	1
3	A21476	PIN ASSY, HEIGHT CONTROL	1
4	A22203	PIN ASSEMBLY, 1" X 2 3/8" LG.	1
5	100556	WASHER, 3/4 FLAT	1
6	101018	CLIP, HAIR PIN	4
7	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4	8
8	100271	WASHER, LOCK 3/8"	25
9	100254	NUT, HEX 3/8 -16 UNC GR 5	25

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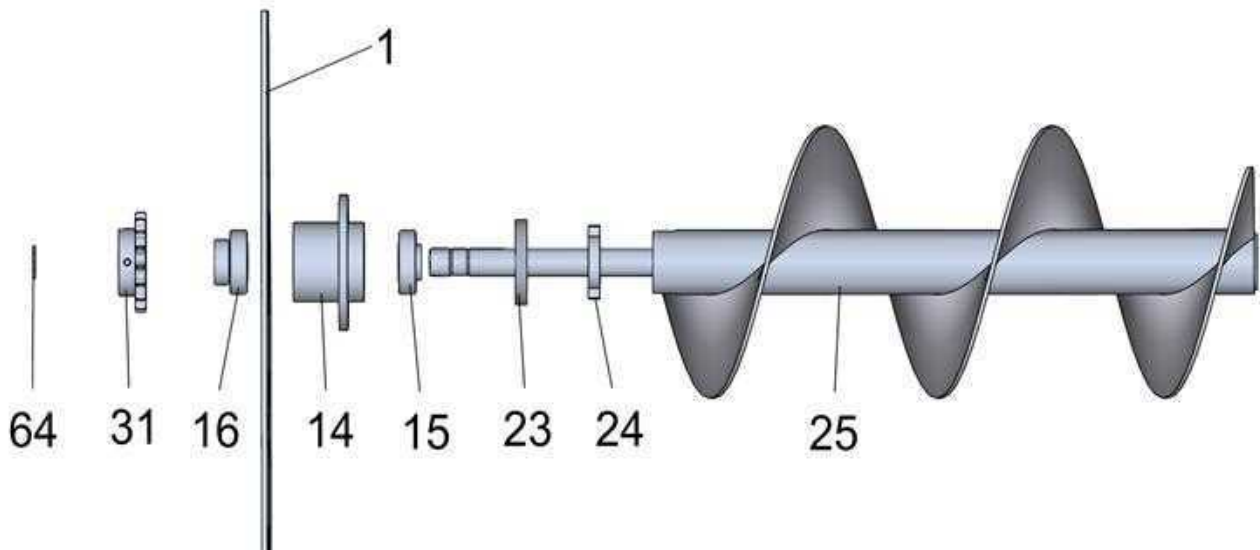
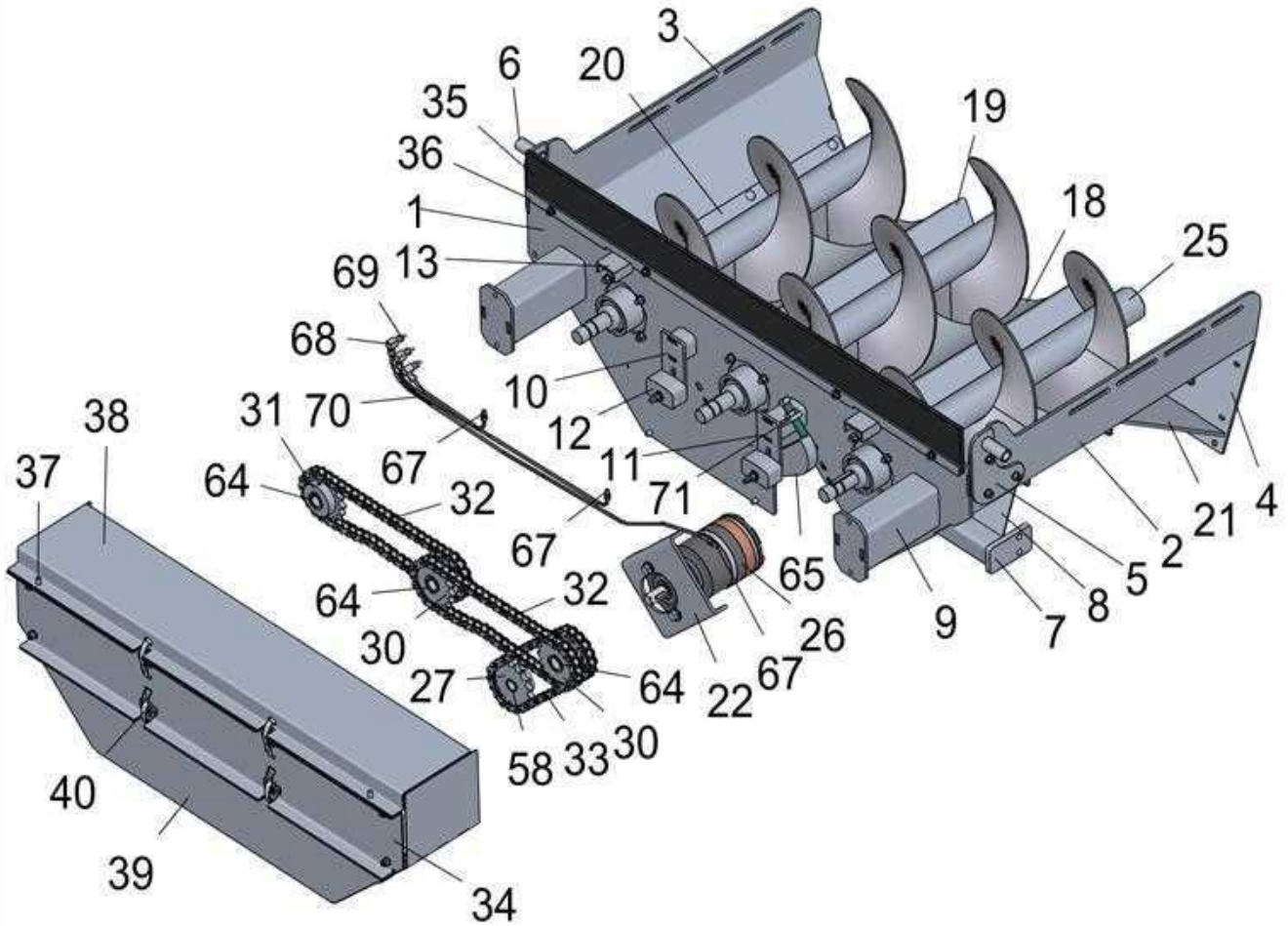
Discharge - W/ Bearing Housing

DISCHARGE GROUP, TRIPLE SHORT W/ BEARING HOUSING - A8543

#	Part Number	Title	Quantity
10	100985	MAGNET, 8 X 18 1/2	2
11	102283	SCREW,TRUSS HEAD, 5/16-18 UNC x 3/4 GR 2	16
12	21592	RUBBER MAT, DROP CHUTE SPOUT, SHORT,TRIPLE	1
13	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE	9
14	21569	BAR, FLAT 1/4" SM SUPPORT	2
15	21961	DISCH HANGER, SHORT (5" HIGHER)	2
16	16078	BAR, SPACER 1/4 X 2 1/2 X 11	2
17	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	4
18	101996	SCREW, CARRIAGE HD 3/8-16 UNC X 1 1/2 GR5	4
19	100300	WASHER, FLAT 3/8" USS	12
20	20935	SHIELD, DISCHARGE WING	2
21	100443	WASHER FLAT, 1/4"	8
22	100858	SCREW, HX HD CAP 1/4-20 X 1	4
23	20936	SHIELD PLATE, DISCHARGE WING	2
24	100713	WASHER, FLAT 5/16	16
25	100170	WASHER, LOCK 5/16	16
26	100297	NUT, HEX 5/16	16
27	21594	BAR, FLAT, 1/4" RUBBER MAT SUPPORT	1
28	100304	WASHER, LOCK 1/4 CADMIUM PLATED	4
29	100221	NUT, HEX, 1/4-20 UNC GR 5	4
30	A24654	DISCH ASSY, TRIPLE -SHORT W/ BEARING HOUSING	1
31	A22609	LINKAGE MOUNT PLATE ASS'Y - SHORT	1
32	A23189	DROP CHUTE LINKAGE ASSEMBLY	1
33	101829	COLLAR, SET SCREW 1 ID X 1 5/8 OD	2
34	22795	LINKAGE, DROP CHUTE CYLINDER (SHORT)	1
35	A23191	PIN ASSEMBLY, 1" DIA. X 1 5/8" LONG	2
36	22606	DROP CHUTE CYL MOUNT (BOLTED)	1
37	103846	SCREW, HX HD CAP 1/2 -13 UNC X 2	2
38	100838	WASHER, 1/2 FLAT	2
39	100272	WASHER, 1/2 LOCK	2
40	103795	NUT, HEX 1/2-13	2

Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, TRIPLE SHORT W/ BEARING HOUSING - A24654



Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, TRIPLE SHORT W/ BEARING HOUSING - A24654

#	Part Number	Title	Quantity
1	24640	BACKPLATE, TRIPLE W/ BEARING HOUSING	1
2	21988	SIDE, DISCHARGE (RIGHT)-SHORT	1
3	21987	SIDE, DISCHARGE (LEFT)-SHORT	1
4	21989	FRONT PLATE, DISCHARGE -TRIPLE	1
5	A22152	DISCHARGE MOUNT ASS'Y (RIGHT)	1
6	A22154	DISCHARGE MOUNT ASS'Y (LEFT)	1
7	A21995	DISCH CYLINDER MNT ASSY (NEW)	1
8	16348	GUSSET, 1/4 X 4 1/2 X 6	1
9	A23157	BEARING CHANNEL MOUNT ASS'Y	2
10	A22130	CHAIN STAND-OFF ASS'Y (SHORT)	1
11	A22127	CHAIN STAND-OFF ASS'Y (LONG)	1
12	22132	UHMW TENSION BLOCK	2
13	22149	SUPPORT, CHAIN GUARD	2
14	A14590	AUGER BEARING HOUSING ASS'Y	3
15	16818	BEARING, 1 1/4 ID WITH 1 SEAL REMOVED (w/o collar)	3
16	16818	BEARING, 1 1/4 ID WITH 1 SEAL REMOVED	3
17	21992	ANGLE, DISCHARGE AUGER BOTTOM	2
18	21991	AUGER BOTTOM, DISCHARGE -SHORT	3
19	A22019	FORMED PEAK ASSEMBLY (TRIPLE)	2
20	22002	STRAP, DISCHARGE BOTTOM	2
21	22059	GUSSET, DISCH FRONT PLATE	2
22	23372	CHANNEL, DISCH MOTOR MNT - TRIPLE	1
23	16608	CAP, DISCHARGE BEARING 3 3/4 OD X 1 1/4 ID	3
24	A24652	DISCHARGE AUGER SHAFT ASS'Y - BEARING HOUSING	3
25	A22011	DISCH AUGER ASS'Y -SHORT (NEW)	3
26	102980	MOTOR, ROSS HYDRAULIC	1
27	102128	SPROCKET, H60B17 1" BORE SPECIAL HUB	1
28	16340	KEY, SQ. 5/16 X 2 LG.	2
29	19083	KEY, SQ 5/16 X 1 1/16	1
30	102778	SPROCKET, DSH60A17 W/ 1 1/4 BORE	2
31	101845	SPROCKET, H60B17 -1 1/4 BORE W/KEY	1
32	102764	CHAIN, #60 -54P AND CONN LINK	2
33	102765	CHAIN, #60 -42P AND CONN LINK	1
34	24655	CHANNEL, TRIPLE END PLATE	1
35	22014	FILLER, DISCHARGE BACKPLATE (TRIPLE)	1
36	22021	STRAP, BACKPLATE FILLER (TRIPLE)	1
37	101818	PIN, DOWEL 3/8 X 3/4 LG	5
38	22012	GUARD, DISCHARGE CHAIN (UPPER)-TRIPLE	1
39	22013	GUARD, DISCHARGE CHAIN (LOWER)-TRIPLE	1

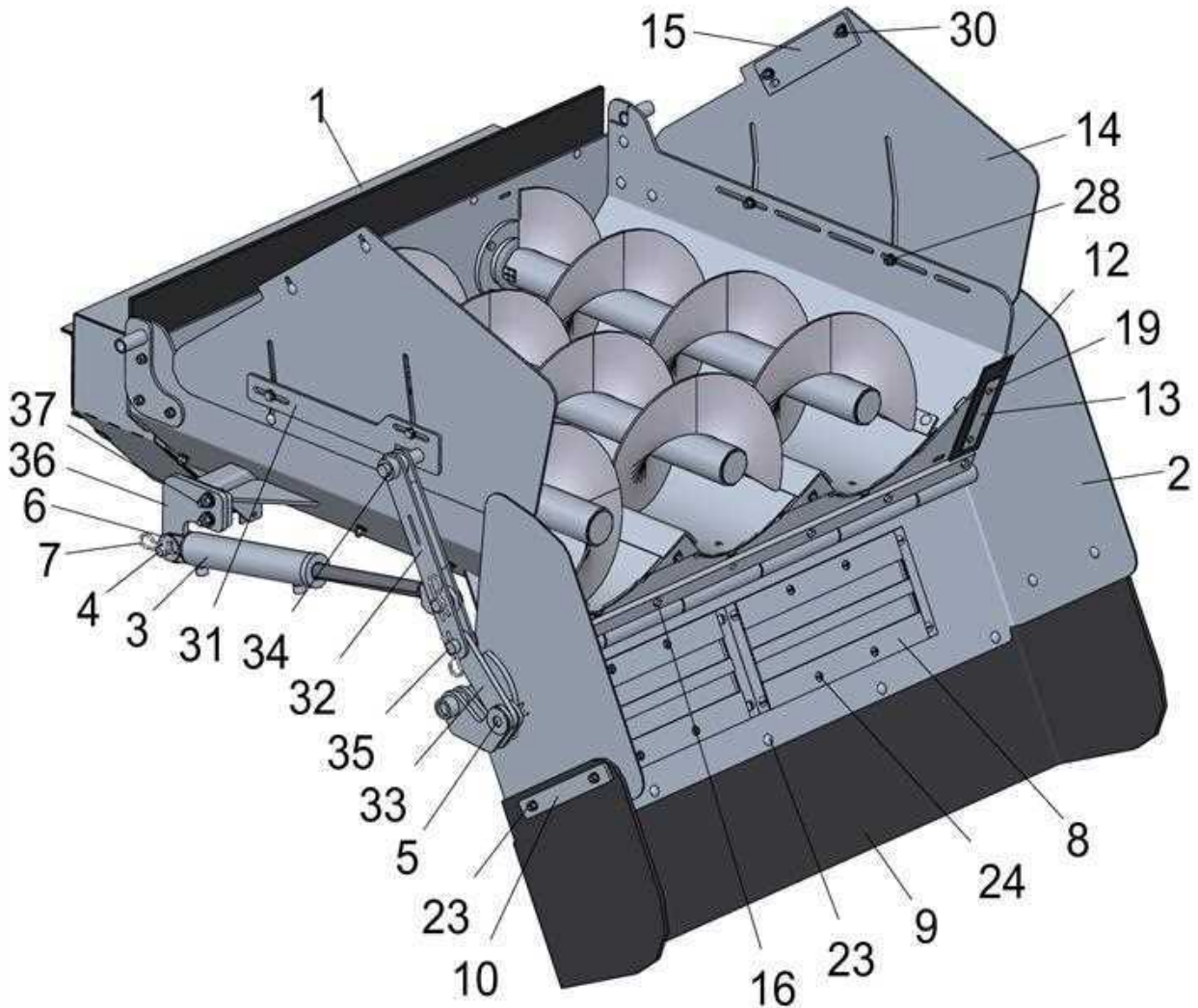
Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, TRIPLE SHORT W/ BEARING HOUSING - A24654

#	Part Number	Title	Quantity
40	103560	OVERCENTER LATCH	4
41	104189	SCREW, CARRIAGE HD 5/16-18 X 1 1/4	4
42	100713	WASHER, FLAT 5/16	11
43	100170	WASHER, LOCK 5/16	9
44	100297	NUT, HEX 5/16	9
45	101846	SCREW, HX HD CAP 3/8 - 16 X 1	4
46	100271	WASHER, LOCK 3/8"	32
47	100254	NUT, HEX 3/8 -16 UNC GR 5	32
48	100230	SCREW, HX HD CAP 1/2 -20 UNF X 2	2
49	100838	WASHER, 1/2 FLAT	2
50	100272	WASHER, 1/2 LOCK	2
51	100250	NUT, HEX 1/2-20 UNF	2
52	104108	HX HD SCREW, #10-24 X .75	8
53	104107	WASHER, LOCK #10	8
54	102639	NUT, #10 -24	8
55	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE	8
56	100300	WASHER, FLAT 3/8" USS	11
57	300892C	SCREW, HX HD CAP 5/16-18 X 1 1/4	2
58	103794	SNAP RING, 1" SHAFT	1
59	104207	SCREW, CARRIAGE HD 3/8-16 X 2 3/4 GR 5	1
60	101661	SCREW, HX HD CAP 3/8-16 X 4	1
61	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	6
62	17874	TAB, DISCHARGE TENSIONER	3
63	104256	SCREW, SOCKET HD 5/16-18 X 1	3
64	103040	SNAP RING, 1-1/4" SHAFT	3
65	23178	TENSIONER, DISCH MOTOR - TRIPLE	1
66	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4	12
67	102759	FITTING, COMPRESSION 1/8 NPT (M) X 1/4 STR.	3
68	102797	FITTING, COMPRESSION, 1/8 NPT (F) 1/4x90deg	3
69	102454	GREASE FITTING, 1/8 NPT (F)	3
70	6060000	GREASE LINE	3
71	24699	TAB, DISCHARGE MOTOR CHAIN TENSIONER	1
72	103790	SQ HD SET SCREW 5/8-11 X 3 LG	1
73	104018	JAM NUT, 5/8-18 UNF GR 5	1

Discharge - W/ Bearing Housing

DISCHARGE GROUP, TRIPLE MEDIUM W/ BEARING HOUSING - A8559



#	Part Number	Title	Quantity
1	A24727	DISCH ASS'Y, TRIPLE -MED W/BEARING HOUSING	1
2	A22387	DROP CHUTE ASS'Y, TRIPLE -NEW	1
3	A22384	CYLINDER ASS'Y, DROP CHUTE -NEW	1
4	A21476	PIN ASSY, HEIGHT CONTROL	1
5	A22203	PIN ASSEMBLY, 1" X 2 3/8" LG.	1
6	100556	WASHER, 3/4 FLAT	1
7	101018	CLIP, HAIR PIN	4
8	100985	MAGNET, 8 X 18 1/2	2
9	21592	RUBBER MAT, DROP CHUTE SPOUT, SHORT,TRIPLE	1

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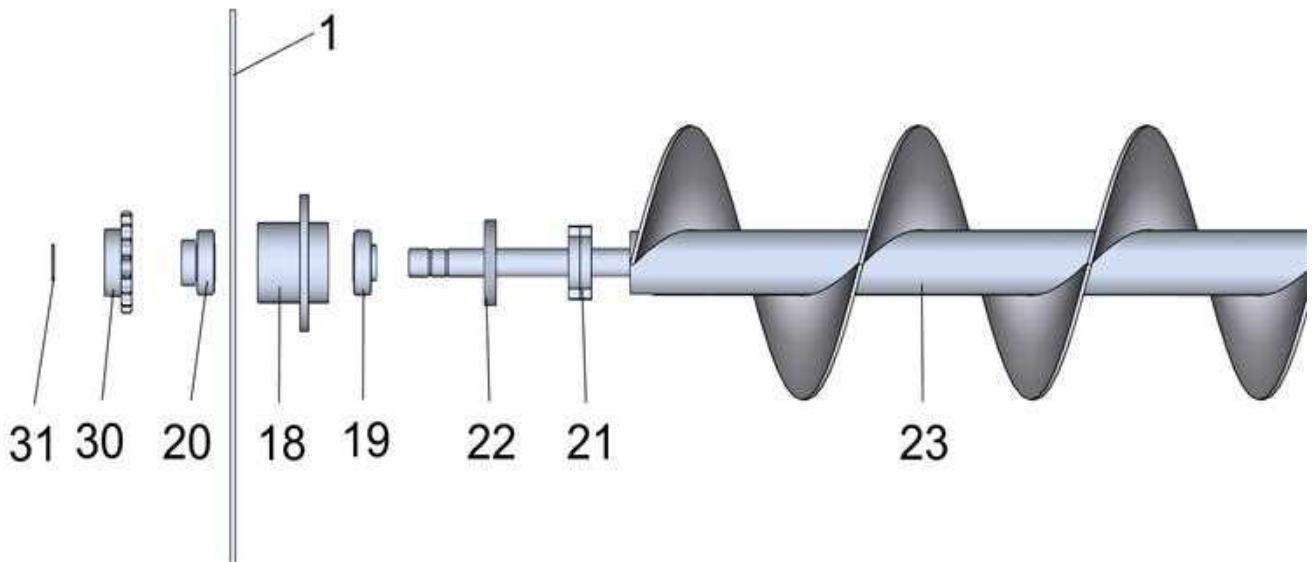
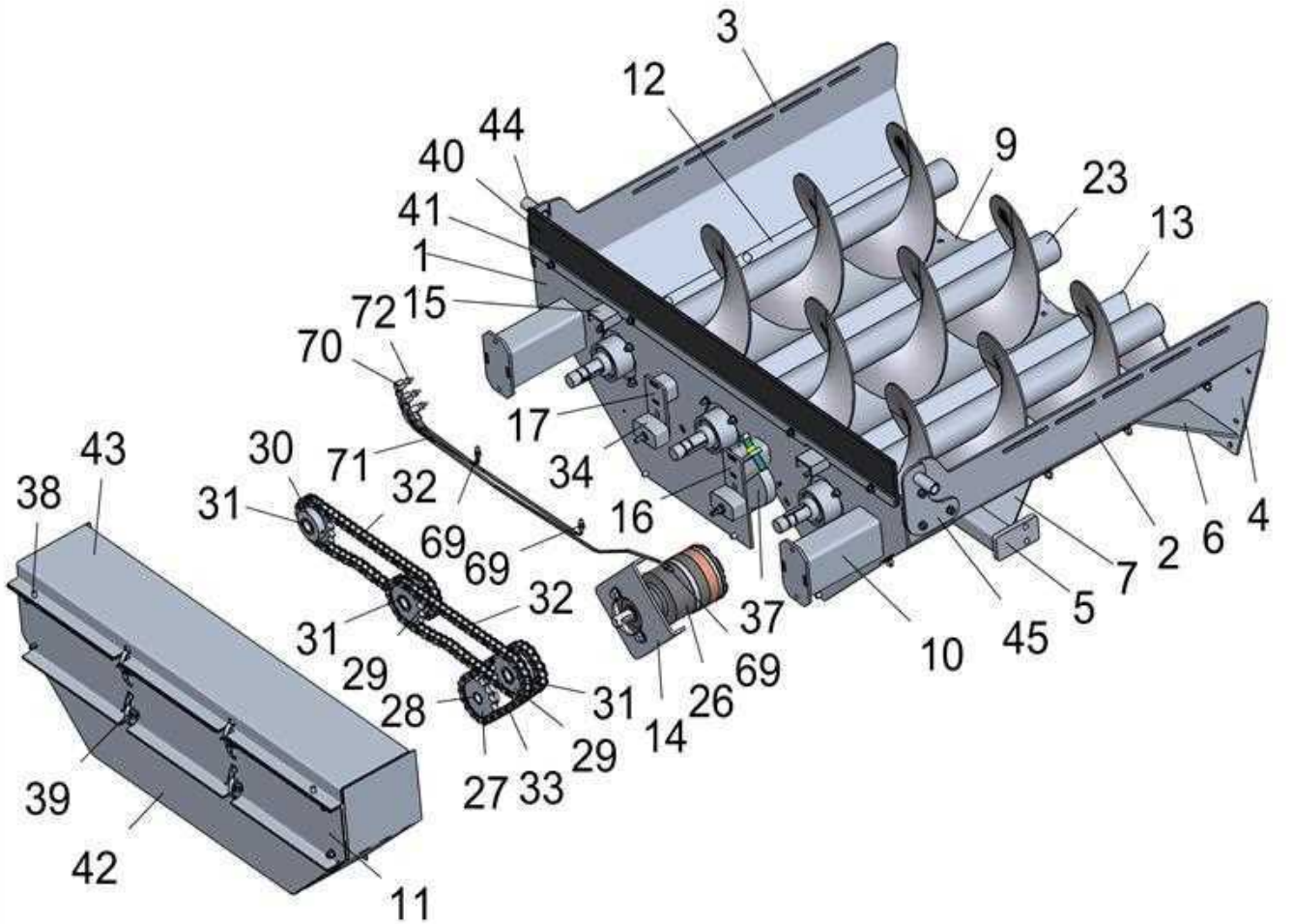
Discharge - W/ Bearing Housing

DISCHARGE GROUP, TRIPLE MEDIUM W/ BEARING HOUSING - A8559

#	Part Number	Title	Quantity
9	21592	RUBBER MAT, DROP CHUTE SPOUT, SHORT,TRIPLE	1
10	21569	BAR, FLAT 1/4" SM SUPPORT	2
11	21594	BAR, FLAT, 1/4" RUBBER MAT SUPPORT	1
12	20935	SHIELD, DISCHARGE WING	2
13	20936	SHIELD PLATE, DISCHARGE WING	2
14	21962	DISCH HANGER, MEDIUM (5" HIGHER)	2
15	16078	BAR, SPACER 1/4 X 2 1/2 X 11	2
16	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4	8
17	100271	WASHER, LOCK 3/8"	25
18	100254	NUT, HEX 3/8 -16 UNC GR 5	25
19	100858	SCREW, HX HD CAP 1/4-20 X 1	4
20	100443	WASHER FLAT, 1/4"	4
21	100304	WASHER, LOCK 1/4 CADMIUM PLATED	4
22	100221	NUT, HEX, 1/4-20 UNC GR 5	4
23	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE	9
24	102283	SCREW,TRUSS HEAD, 5/16-18 UNC x 3/4 GR 2	16
25	100713	WASHER, FLAT 5/16	16
26	100170	WASHER, LOCK 5/16	16
27	100297	NUT, HEX 5/16	16
28	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	4
29	100300	WASHER, FLAT 3/8" USS	12
30	101996	SCREW, CARRIAGE HD 3/8-16 UNC X 1 1/2 GR5	4
31	A23222	LINKAGE MOUNT PLATE ASS'Y - MEDIUM	1
32	A23189	DROP CHUTE LINKAGE ASSEMBLY	1
33	22795	LINKAGE, DROP CHUTE CYLINDER (SHORT)	1
34	101829	COLLAR, SET SCREW 1 ID X 1 5/8 OD	2
35	A23191	PIN ASSEMBLY, 1" DIA. X 1 5/8" LONG	2
36	22606	DROP CHUTE CYL MOUNT (BOLTED)	1
37	103846	SCREW, HX HD CAP 1/2 -13 UNC X 2	2
38	100838	WASHER, 1/2 FLAT	2
39	100272	WASHER, 1/2 LOCK	2
40	103795	NUT, HEX 1/2-13	2

Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, TRIPLE MEDIUM W/ BEARING HOUSING - A24727



Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, TRIPLE MEDIUM W/ BEARING HOUSING - A24727

#	Part Number	Title	Quantity
1	24640	BACKPLATE, TRIPLE W/ BEARING HOUSING	1
2	22134	SIDE, DISCHARGE (RIGHT)-MED	1
3	22133	SIDE, DISCHARGE (LEFT)-MED	1
4	21989	FRONT PLATE, DISCHARGE -TRIPLE	1
5	A22164	DISC CYL MNT ASS'Y -MED (NEW)	1
6	22059	GUSSET, DISCH FRONT PLATE	2
7	16348	GUSSET, 1/4 X 4 1/2 X 6	1
8	22166	ANGLE, DISCHARGE AUGER BOTTOM	2
9	22165	AUGER BOTTOM, DISCH -MED	3
10	A23157	BEARING CHANNEL MOUNT ASS'Y	2
11	24655	CHANNEL, TRIPLE END PLATE	1
12	22167	STRAP, DISCH BOTTOM -MED	2
13	A22169	FORMED PEAK ASS'Y (TRIPLE) MED	2
14	23372	CHANNEL, DISCH MOTOR MNT - TRIPLE	1
15	22149	SUPPORT, CHAIN GUARD	2
16	A22127	CHAIN STAND-OFF ASS'Y (LONG)	1
17	A22130	CHAIN STAND-OFF ASS'Y (SHORT)	1
18	A14590	AUGER BEARING HOUSING ASS'Y	3
19	16818	BEARING, 1 1/4 ID WITH 1 SEAL REMOVED (w/o collar)	3
20	16818	BEARING, 1 1/4 ID WITH 1 SEAL REMOVED	3
21	A24652	DISCHARGE AUGER SHAFT ASS'Y - BEARING HOUSING	3
22	16608	CAP, DISCHARGE BEARING 3 3/4 OD X 1 1/4 ID	3
23	A22170	DISCH AUGER ASS'Y -MED (NEW)	3
24	19083	KEY, SQ 5/16 X 1 1/16	1
25	16340	KEY, SQ. 5/16 X 2 LG.	2
26	102980	MOTOR, ROSS HYDRAULIC	1
27	102128	SPROCKET, H60B17 1" BORE SPECIAL HUB	1
28	103794	SNAP RING, 1" SHAFT	1
29	102778	SPROCKET, DSH60A17 W/ 1 1/4 BORE	2
30	101845	SPROCKET, H60B17 -1 1/4 BORE W/KEY	1
31	103040	SNAP RING, 1-1/4" SHAFT	3
32	102764	CHAIN, #60 -54P AND CONN LINK	2
33	102765	CHAIN, #60 -42P AND CONN LINK	1
34	22132	UHMW TENSION BLOCK	2
35	24699	TAB, DISCHARGE MOTOR CHAIN TENSIONER	1
36	103790	SQ HD SET SCREW 5/8-11 X 3 LG	1
37	23178	TENSIONER, DISCH MOTOR - TRIPLE	1
38	101818	PIN, DOWEL 3/8 X 3/4 LG	5
39	103560	OVERCENTER LATCH	4

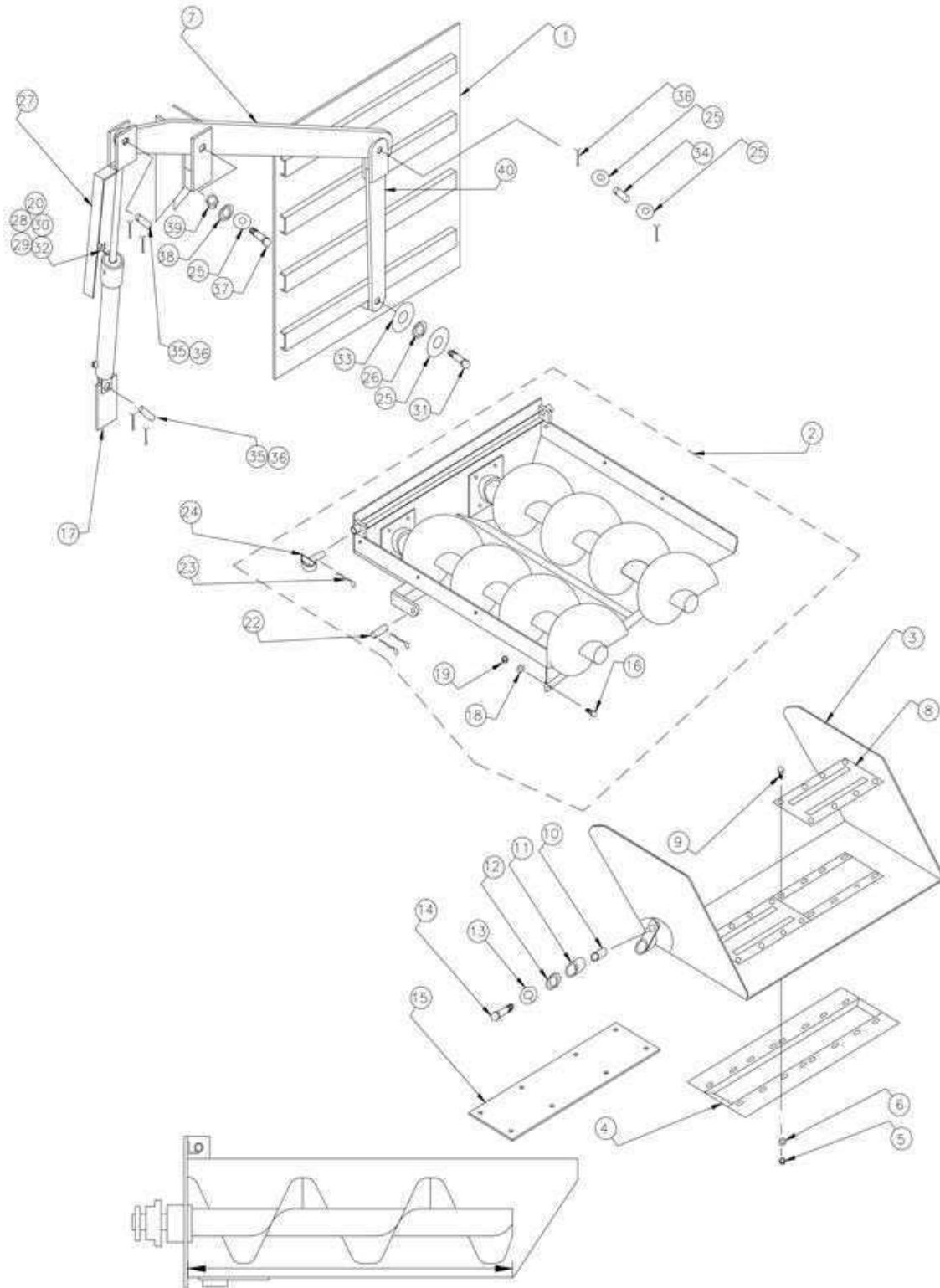
Discharge - W/ Bearing Housing

DISCHARGE ASSEMBLY, TRIPLE MEDIUM W/ BEARING HOUSING - A24727

#	Part Number	Title	Quantity
40	22014	FILLER, DISCHARGE BACKPLATE (TRIPLE)	1
41	22021	STRAP, BACKPLATE FILLER (TRIPLE)	1
42	22013	GUARD, DISCHARGE CHAIN (LOWER)-TRIPLE	1
43	22012	GUARD, DISCHARGE CHAIN (UPPER)-TRIPLE	1
44	A22154	DISCHARGE MOUNT ASS'Y (LEFT)	1
45	A22152	DISCHARGE MOUNT ASS'Y (RIGHT)	1
46	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE	10
47	100300	WASHER, FLAT 3/8" USS	13
48	100271	WASHER, LOCK 3/8"	31
49	100254	NUT, HEX 3/8 -16 UNC GR 5	31
50	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	6
51	100713	WASHER, FLAT 5/16	11
52	300892C	SCREW, HX HD CAP 5/16-18 X 1 1/4	2
53	100170	WASHER, LOCK 5/16	9
54	100297	NUT, HEX 5/16	9
55	104189	SCREW, CARRIAGE HD 5/16-18 X 1 1/4	4
56	101716	SCREW, HX HD CAP 3/8-16 UNC X 1 1/4	12
57	100838	WASHER, 1/2 FLAT	2
58	100230	SCREW, HX HD CAP 1/2 -20 UNF X 2	2
59	100272	WASHER, 1/2 LOCK	2
60	100250	NUT, HEX 1/2-20 UNF	2
61	104207	SCREW, CARRIAGE HD 3/8-16 X 2 3/4 GR 5	1
62	101661	SCREW, HX HD CAP 3/8-16 X 4	1
63	101846	SCREW, HX HD CAP 3/8 - 16 X 1	4
64	104108	HX HD SCREW, #10-24 X .75	8
65	104107	WASHER, LOCK #10	8
66	102639	NUT, #10 -24	8
67	17874	TAB, DISCHARGE TENSIONER	3
68	104256	SCREW, SOCKET HD 5/16-18 X 1	3
69	102759	FITTING, COMPRESSION 1/8 NPT (M) X 1/4 STR.	3
70	102797	FITTING, COMPRESSION, 1/8 NPT (F) 1/4x90deg	3
71	6060000	GREASE LINE	3
72	102454	GREASE FITTING, 1/8 NPT (F)	3
73	104018	JAM NUT, 5/8-18 UNF GR 5	1

Discharge Door

DUAL AUGER DISCHARGE W/ DOOR ASSEMBLY



DISCHARGE LENGTH IS MEASURED
BETWEEN THESE POINTS

Discharge Door

DUAL AUGER DISCHARGE W/ DOOR ASSEMBLY

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	A16940	1	DUAL DISCHARGE DOOR	20	17120	1	ANGLE, SWITCH MOUNT
*2	A17982	1	DUAL SHORT DISCHARGE ASS'Y (27.5")	22	14533	1	CYLINDER PIN
*2	A17992	1	DUAL MED DISCHARGE ASS'Y (34.5")	23	101018	4	CLIP, HAIR PIN
*2	A17997	1	DUAL EXT DISCHARGE ASS'Y (42.5")	24	A15285	2	DISCHARGE HINGE PULL PIN
3	A17988	1	DUAL DROP CHUTE WITH MAGNET GUARD	25	100360	4	FLAT WASHER
4	A15622	1	MAGNET GUARD	26	16959	1	BUSHING
5	100297	16	NUT	27	16964	1	POINTER, DOOR POSITION
6	100170	16	LOCK WASHER	28	102254	4	WASHER
7	16958	1	PIVOT ARM	29	100175	4	SCREW
8	100985	2	MAGNET 18"	30	102253	4	NUT
9	102283	16	SCREW	31	100324	1	SCREW
10	14453	1	TUBE, CYL. MNT. HINGE	32	102401	1	SWITCH, MAGNET
11	14573	1	BUSHING LONG	33	102666	1	WASHER, FLAT
12	14574	1	BUSHING SHORT	34	16169	1	PIN
13	100272	1	LOCK WASHER	35	12146	2	CYLINDER PIN
14	100796	1	SCREW	36	100174	6	COTTER PIN
15	16792	1	COVER, MAGNET GUARD	37	102452	1	SCREW
16	100240	7	SCREW	38	102355	1	BEARING, NYLINER
17	16954	1	BAR, CYLINDER MOUNT	39	102453	1	LOCK NUT
18	100271	7	LOCK WASHER	40	A16960	1	LOWER ARM ASS'Y
19	100254	7	NUT				

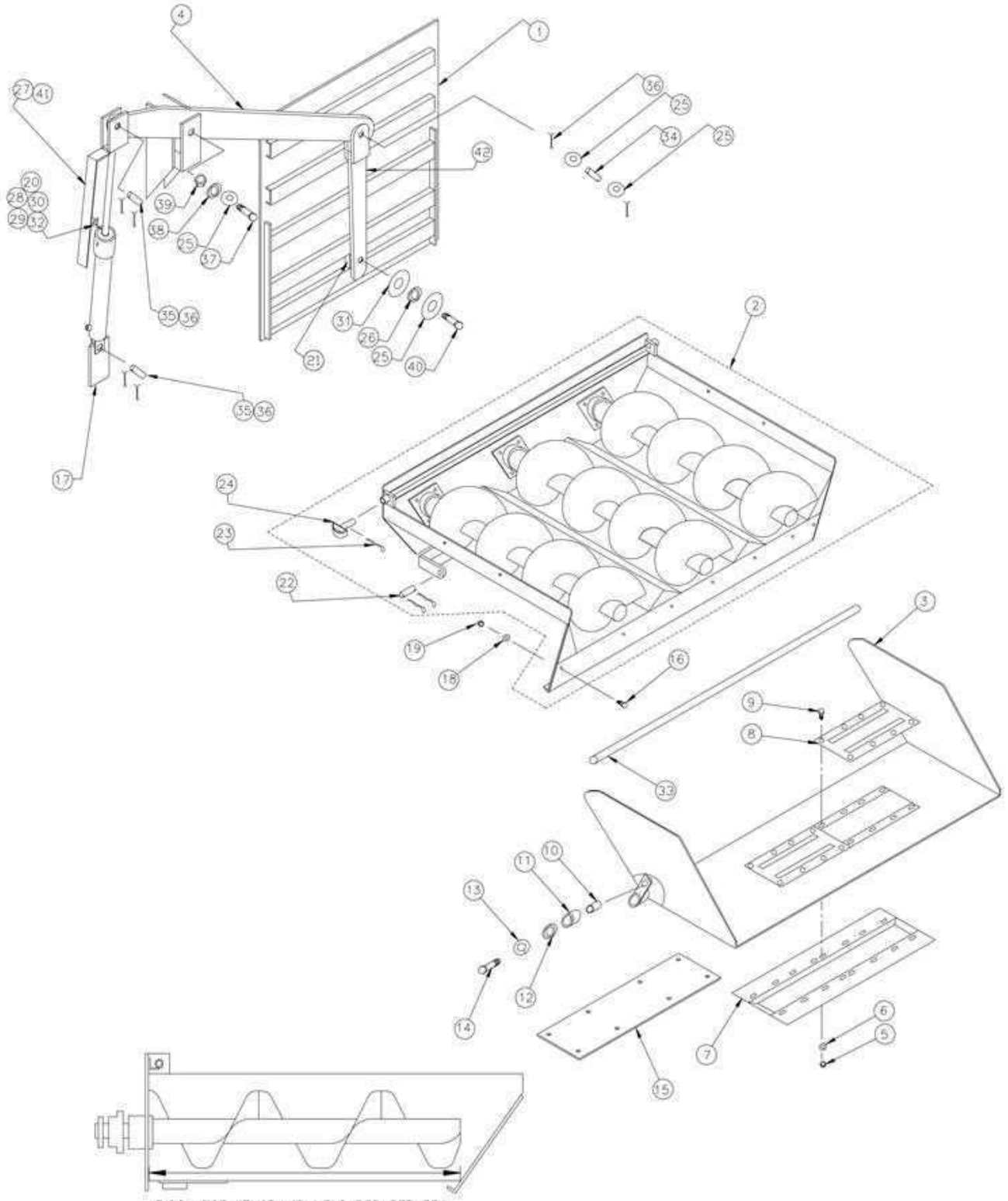
NOTE:

*2 WHEN ORDERING A NEW DISCHARGE, HANGER PLATE, AUGER, AUGER FLIGHTING, BOTTOM, OR LINERS; MEASURE DISCHARGE LENGTH. MEASUREMENTS ARE TAKEN FROM UNDER EITHER AUGER, FROM THE BACK PLATE TO THE END (WHERE CHUTE BEGINS). SEE PAGE 84 FOR VISUAL REFERENCE.

*2 DISCHARGE INCLUDES CHAINS, SPROCKETS, BEARINGS, AND HYDRAULIC MOTOR. IT DOES NOT INCLUDE DROP CHUTE CYLINDER (OR PAGE 113/114).

Discharge Door

TRIPLE AUGER DISCHARGE W/ DOOR ASSEMBLY



DISCHARGE LENGTH IS MEASURED
BETWEEN THESE POINTS

Discharge Door

TRIPLE AUGER DISCHARGE W/ DOOR ASSEMBLY

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	A17904	1	TRIPLE DISCHARGE DOOR	21	16942	1	LOWER DOOR ARM MOUNT BLOCK
*2	A17902	1	TRIPLE SHORT DISCHARGE ASS'Y (27.5")	22	14533	1	CYLINDER PIN
*2	A18168	1	TRIPLE MED DISCHARGE ASS'Y (34.5")	23	101018	4	CLIP, HAIR PIN
*2	A18169	1	TRIPLE EXT DISCHARGE ASS'Y (42.5")	24	A15285	2	DISCHARGE HINGE PULL PIN
3	A17916	1	TRIPLE DROP CHUTE WITH MAGNET GUARD	25	100360	4	FLAT WASHER
4	17909	1	PIVOT ARM	26	16959	1	BUSHING
5	100297	16	NUT	27	16964	1	POINTER, DOOR POSITION
6	100170	16	LOCK WASHER	28	102254	4	WASHER
7	A15622	1	MAGNET GUARD	29	100175	4	SCREW
8	100985	2	MAGNET 18"	30	102253	4	NUT
9	102283	16	SCREW	31	102666	1	FLAT WASHER
10	14453	1	TUBE, CLY. MNT. HINGE	32	102401	1	SWITCH, MAGNET
11	14573	1	BUSHING LONG	33	17918	1	SHAFT, HINGE
12	14574	1	BUSHING SHORT	34	16169	1	PIN
13	100272	1	LOCK WASHER	35	12146	2	CYLINDER PIN
14	100796	1	SCREW	36	100174	6	COTTER PIN
15	16792	1	COVER, MAGNET GUARD	37	102452	1	SCREW
16	100240	7	SCREW	38	102355	1	BEARING, NYLINER
17	16954	1	BAR, CYLINDER MOUNT	39	102453	1	LOCK NUT
18	100271	7	LOCK WASHER	40	100324	1	SCREW
19	100254	7	NUT	41	101181	1	DECAL, DOOR GUAGE
20	17120	1	ANGLE, SWITCH MOUNT	42	A17908	1	LOWER ARM ASS'Y

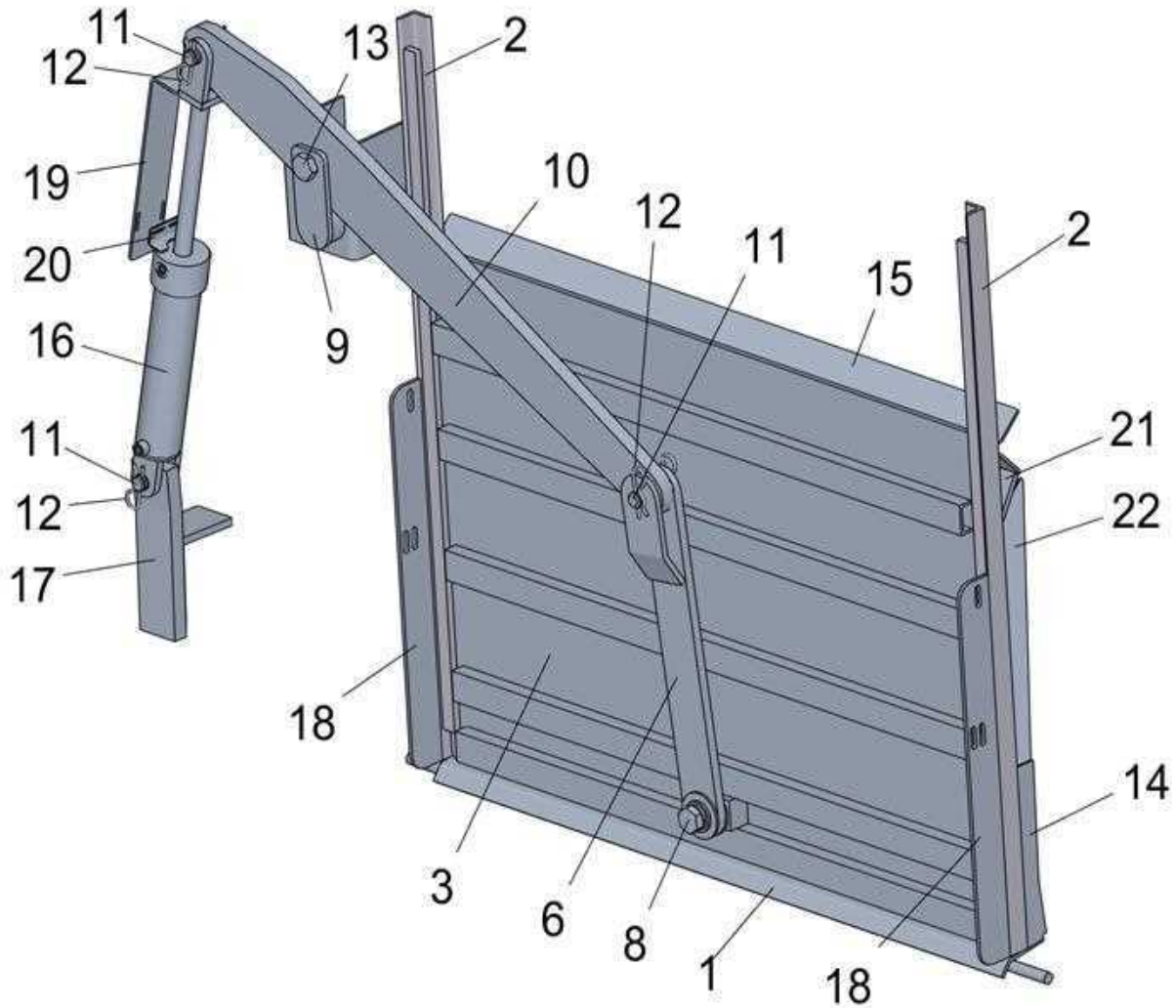
NOTE:

*2 WHEN ORDERING A NEW DISCHARGE, HANGER PLATE, AUGER, AUGER FLIGHTING, BOTTOM, OR LINERS; MEASURE DISCHARGE LENGTH. MEASUREMENTS ARE TAKEN FROM UNDER EITHER AUGER, FROM THE BACK PLATE TO THE END (WHERE CHUTE BEGINS). SEE PAGE 84 FOR VISUAL REFERENCE.

*2 DISCHARGE INCLUDES CHAINS, SPROCKETS, BEARINGS, AND HYDRAULIC MOTOR. IT DOES NOT INCLUDE DROP CHUTE CYLINDER (PAGE 113/114).

Discharge Door

DISCHARGE DOOR GROUP, TRIPLE TRUCK (3" HIGHER) - A8252



#	Part Number	Title	Quantity
1	A17920	DOOR FRAME BOTTOM ASS'Y TRIPLE 12" DIS.	1
*1	A15998	DOOR FRAME BOTTOM ASS'Y (DUAL)	1
2	A19713	DOOR GUIDE ASSY 49" LG	2
3	A17904	TRIPLE DISCHARGE DOOR ASS'Y 48 X 34	1
*3	A16940	DUAL DISCHARGE DOOR ASSEMBLY	1
4	100360	WASHER 1" FLAT	2
5	102666	WASHER, FLAT 1 1/4 STANDARD	2
6	A16960	LOWER ARM ASS'Y, DISCHARGE DOOR	1
7	101879	WASHER, 1" LOCK	1

CONT. ON NEXT PAGE

Discharge Door

DISCHARGE DOOR GROUP, TRIPLE TRUCK (3" HIGHER) - A8252

#	Part Number	Title	Quantity
8	100324	SCREW, HEX HD CAP 1-8 X 3 GR. 5	1
9	A21931	PIVOT ARM MNT ASSY(3" HIGHER DOOR)	1
*9	A22858	PIVOT ARM MNT ASS'Y (3" HIGHER DOOR) RH	1
10	17909	PIVOT ARM, DISCHARGE DOOR TRIPLE	1
*10	16958	PIVOT ARM, DUAL DISCHARGE DOOR 1" X 39 1/8 LG	1
11	12146	PIN, 1" X 3.25"	3
12	101018	CLIP, HAIR PIN	6
13	102452	SCREW, HX HD CAP 1-8 UNC X 3 1/2	1
14	21932	GUSSET, DISCH DOOR FILLER (3" HIGHER)	2
15	21933	FILLER, DISCH DOOR (5"HIGHER) TRIPLE	1
*15	22054	FILLER, DISCH DOOR (5"HIGHER) DUAL	1
16	A17105	CYL ASS'Y DISC DOOR 2 1/2 ID 10" STROKE TW3	1
17	A21937	CYL MNT ASSY, DISCH DOOR (3"HIGHER)	1
18	16006	BAR, DISCHARGE HANGER FRAME	2
19	16964	DOOR MARKER PLATE	1
20	17120	ANGLE SWITCH MNT. 1 1/16 X 2 7/8 FRMD.	1
21	22062	DISCH DOOR FILLER, TOP (TRIPLE)	1
*21	22155	DISCH DOOR FILLER, TOP (DUAL)	1
22	22074	DISCH DOOR FILLER, SIDE (810)	2
23	16959	BUSHING, DIS. DOOR LOWER ARM 1 5/16 LG.	1
24	102453	NUT, HEX LOCK 1-8 UNC	1

NOTE:

The drawing shown is for a Truck Triple Discharge Group. Corresponding parts for a Truck Dual Discharge Group have been added to the parts list (Items *1, *3, *9, *10, *15, & *21). For more part information, contact your local Harsh International dealer or our front desk at (970) 454-2291.

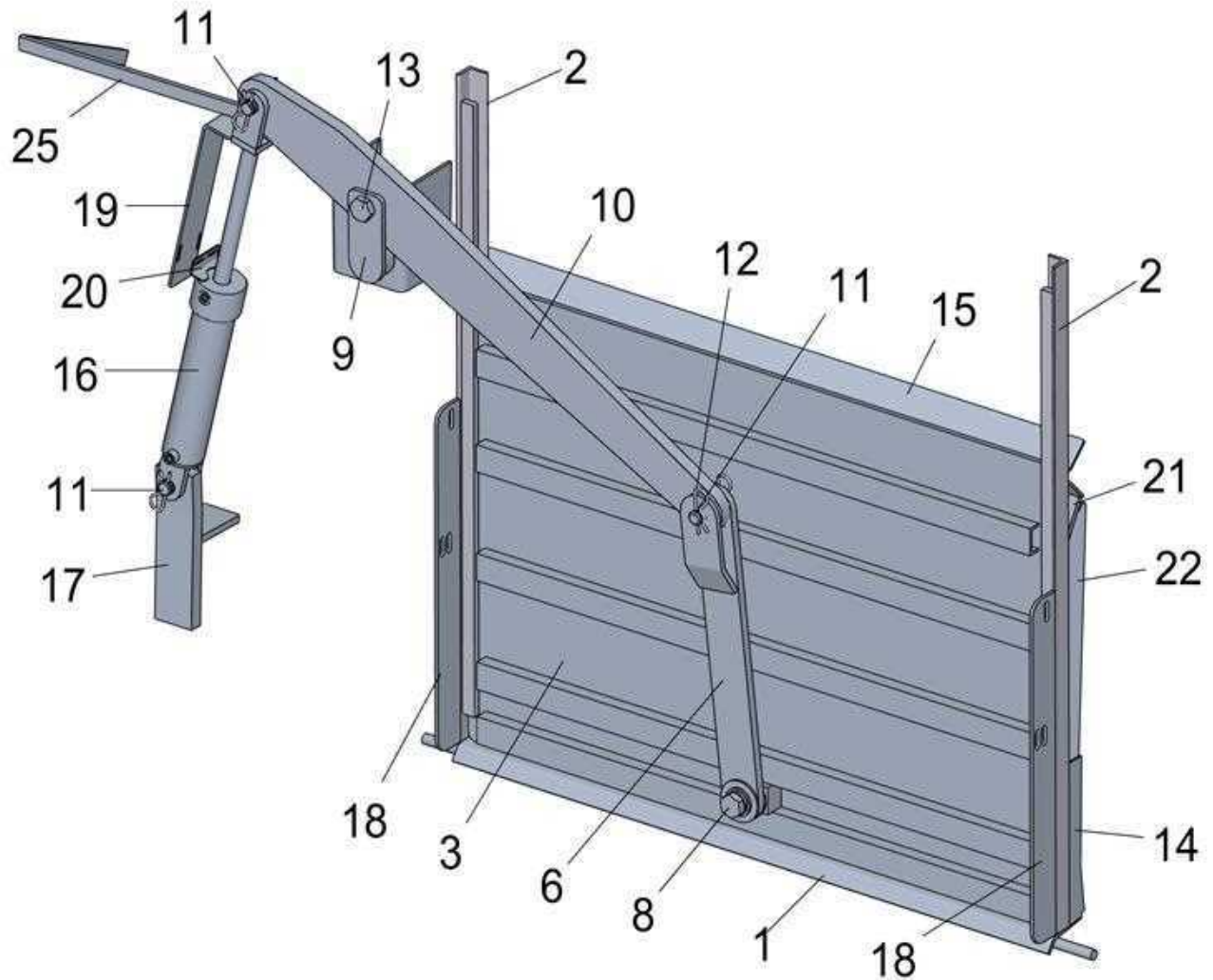
Reference numbers:

DISCHARGE DOOR GROUP, DUAL TRUCK (3" HIGHER) (RH) - A8384

DISCHARGE DOOR GROUP, TRIPLE TRUCK (3" HIGHER) - A8252

Discharge Door

DISCHARGE DOOR GROUP, TRIPLE TRAILER (3" HIGHER) - A8579



#	Part Number	Title	Quantity
1	A17920	DOOR FRAME BOTTOM ASS'Y TRIPLE 12" DIS.	1
*1	A15998	DOOR FRAME BOTTOM ASS'Y (DUAL)	1
2	A19713	DOOR GUIDE ASSY 49" LG	2
3	A17904	TRIPLE DISCHARGE DOOR ASS'Y 48 X 34	1
*3	A16940	DUAL DISCHARGE DOOR ASSEMBLY	1
4	100360	WASHER 1" FLAT	2
5	102666	WASHER, FLAT 1 1/4 STANDARD	2
6	A16960	LOWER ARM ASS'Y, DISCHARGE DOOR	1
7	101879	WASHER, 1" LOCK	1

CONT. ON NEXT PAGE

Discharge Door

DISCHARGE DOOR GROUP, TRIPLE TRAILER (3" HIGHER) - A8579

#	Part Number	Title	Quantity
8	100324	SCREW, HEX HD CAP 1-8 X 3 GR. 5	1
9	A21931	PIVOT ARM MNT ASSY(3" HIGHER DOOR)	1
10	17909	PIVOT ARM, DISCHARGE DOOR TRIPLE	1
*10	16958	PIVOT ARM, DUAL DISCHARGE DOOR 1" X 39 1/8 LG	1
11	12146	PIN, 1" X 3.25"	3
12	101018	CLIP, HAIR PIN	6
13	102452	SCREW, HX HD CAP 1-8 UNC X 3 1/2	1
14	21932	GUSSET, DISCH DOOR FILLER (3" HIGHER)	2
15	21933	FILLER, DISCH DOOR (5"HIGHER) TRIPLE	1
*15	22054	FILLER, DISCH DOOR (5"HIGHER) DUAL	1
16	A17105	CYL ASS'Y DISC DOOR 2 1/2 ID 10" STROKE TW3	1
17	A21937	CYL MNT ASSY, DISCH DOOR (3"HIGHER)	1
18	16006	BAR, DISCHARGE HANGER FRAME	2
19	16964	DOOR MARKER PLATE	1
20	17120	ANGLE SWITCH MNT. 1 1/16 X 2 7/8 FRMD.	1
21	22062	DISCH DOOR FILLER, TOP (TRIPLE)	1
22	22074	DISCH DOOR FILLER, SIDE (810)	2
23	16959	BUSHING, DIS. DOOR LOWER ARM 1 5/16 LG.	1
24	102453	NUT, HEX LOCK 1-8 UNC	1
25	A17110	DOOR MARKER ARM ASS'Y - 810 TRAILER	1

NOTE:

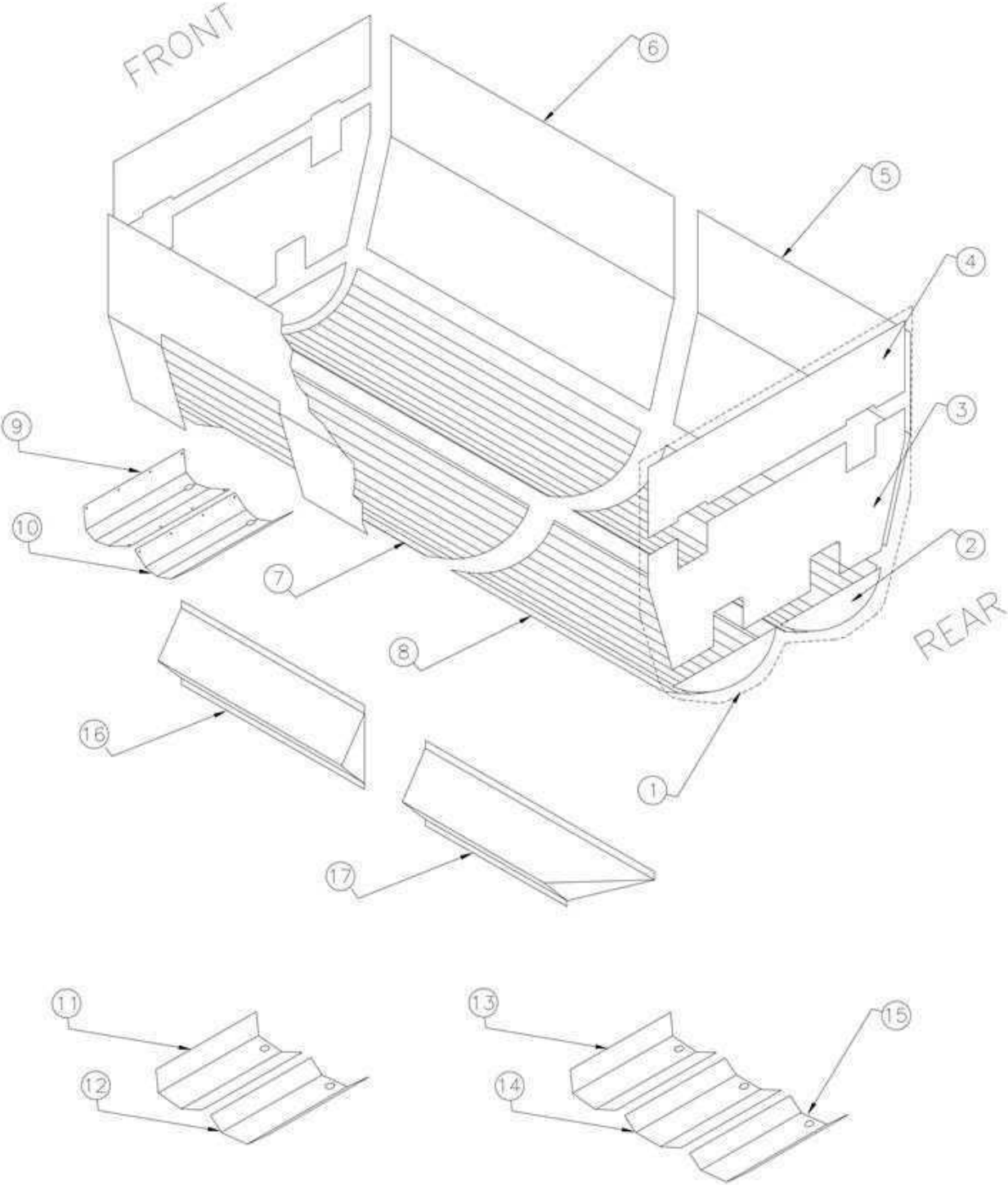
The drawing shown is for a Trailer Triple Discharge Group. Corresponding parts for a Trailer Dual Discharge Group have been added to the parts list (Items *1, *3, *10, & *15). For more part information, contact your local Harsh International dealer or our front desk at (970) 454-2291.

Reference numbers:

DISCHARGE DOOR GROUP, DUAL TRAILER (3" HIGHER) - A8583

DISCHARGE DOOR GROUP, TRIPLE TRAILER (3" HIGHER) - A8579

Liners & Hay Shelves



Liners & Hay Shelves

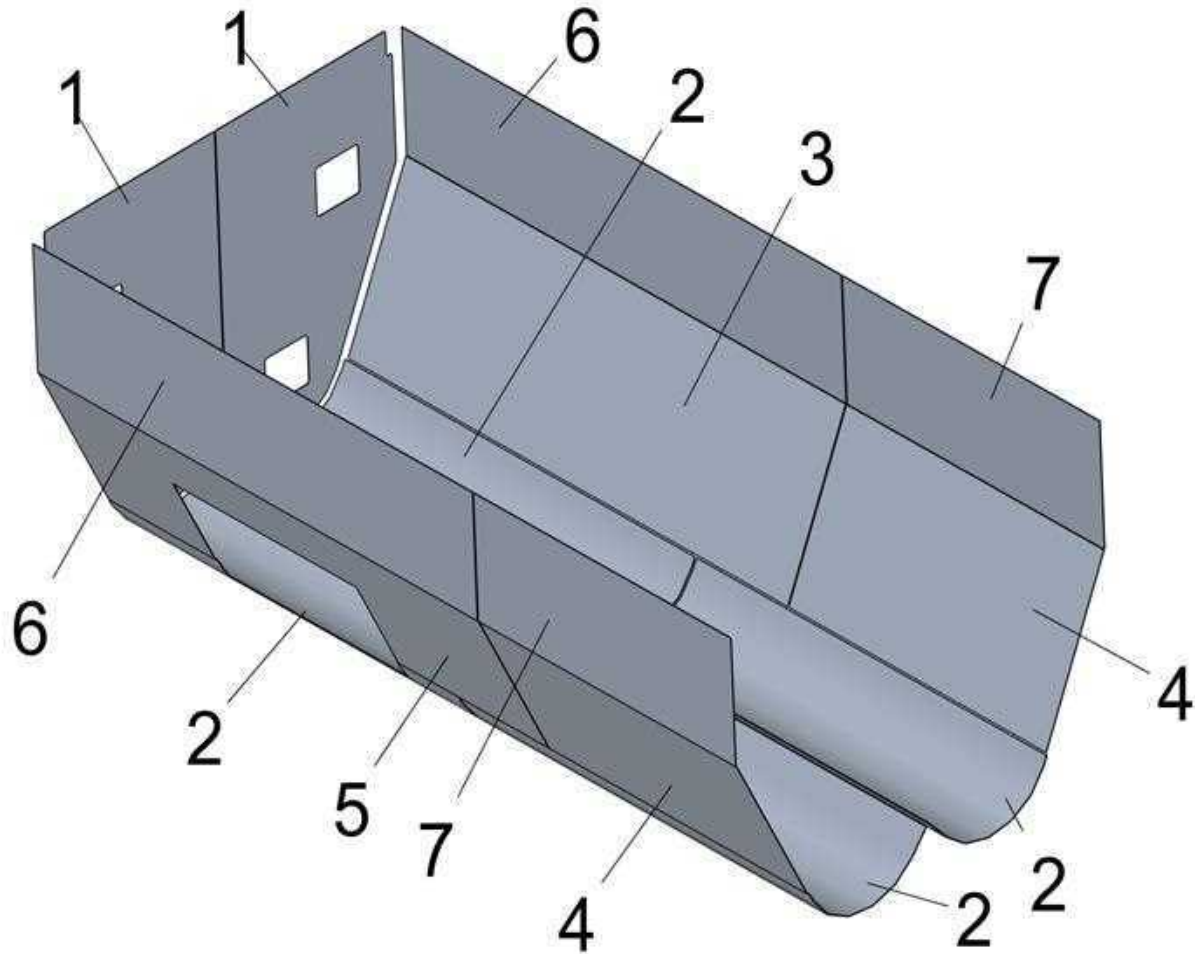
ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	A9709	2	END LINER ASS'Y (STAINLESS STEEL)	*11	18998	1	DISCHARGE LINER LH (MILD 27.5")
1	A9749	2	END LINER ASS'Y (MILD STEEL)	*11	18985	1	DISCHARGE LINER LH (MILD 34.5")
2	9710	4	END LINER, BOTTOM (STAINLESS STEEL)	*11	18987	1	DISCHARGE LINER LH (MILD 42.5")
2	9750	4	END LINER, BOTTOM (MILD STEEL)	*12	18000	1	DISCHARGE LINER RH (STAINLESS 27.5")
3	9711	2	END LINER, MIDDLE (STAINLESS STEEL)	*12	18002	1	DISCHARGE LINER RH (STAINLESS 34.5")
3	9751	2	END LINER, MIDDLE (MILD STEEL)	*12	18004	1	DISCHARGE LINER RH (STAINLESS 42.5")
4	9712	2	END LINER, TOP (STAINLESS STEEL)	*12	18997	1	DISCHARGE LINER RH (MILD 27.5")
4	9752	2	END LINER, TOP (MILD STEEL)	*12	18984	1	DISCHARGE LINER RH (MILD 34.5")
5	9896	AR	SIDE LINER 4 FT. (STAINLESS STEEL)	*12	18986	1	DISCHARGE LINER RH (MILD 42.5")
5	9894	AR	SIDE LINER 4 FT. (MILD STEEL)	*13	18119	1	DISCHARGE LINER LH (STAINLESS 27.5")
6	9897	AR	SIDE LINER 5 FT. (STAINLESS STEEL)	*13	18176	1	DISCHARGE LINER LH (STAINLESS 34.5")
6	9895	AR	SIDE LINER 5 FT. (MILD STEEL)	*13	18179	1	DISCHARGE LINER LH (STAINLESS 42.5")
7	16477	AR	BOTTOM LINER 6 FT. (STAINLESS STEEL)	*13	18988	1	DISCHARGE LINER LH (MILD 27.5")
7	9460	AR	BOTTOM LINER 6 FT. (MILD STEEL)	*13	18990	1	DISCHARGE LINER LH (MILD 34.5")
8	16478	AR	BOTTOM LINER 8 FT. (STAINLESS STEEL)	*13	18992	1	DISCHARGE LINER LH (MILD 42.5")
8	9461	AR	BOTTOM LINER 8 FT. (MILD STEEL)	*14	18141	1	DISCHARGE LINER CTR (STAINLESS 27.5")
*9	17244	1	DISCHARGE LINER LH (STAINLESS 27.5")	*14	18177	1	DISCHARGE LINER CTR (STAINLESS 34.5")
*9	16347	1	DISCHARGE LINER LH (STAINLESS 34.5")	*14	18180	1	DISCHARGE LINER CTR (STAINLESS 42.5")
*9	16534	1	DISCHARGE LINER LH (STAINLESS 42.5")	*14	18994	1	DISCHARGE LINER CTR (MILD 27.5")
*9	9569	1	DISCHARGE LINER LH (MILD 27.5")	*14	18995	1	DISCHARGE LINER CTR (MILD 34.5")
*9	9464	1	DISCHARGE LINER LH (MILD 34.5")	*14	18996	1	DISCHARGE LINER CTR (MILD 42.5")
*9	9466	1	DISCHARGE LINER LH (MILD 42.5")	*15	18140	1	DISCHARGE LINER RH (STAINLESS 27.5")
*10	17245	1	DISCHARGE LINER RH (STAINLESS 27.5")	*15	18178	1	DISCHARGE LINER RH (STAINLESS 34.5")
*10	15815	1	DISCHARGE LINER RH (STAINLESS 34.5")	*15	18181	1	DISCHARGE LINER RH (STAINLESS 42.5")
*10	16535	1	DISCHARGE LINER RH (STAINLESS 42.5")	*15	18989	1	DISCHARGE LINER RH (MILD 27.5")
*10	9570	1	DISCHARGE LINER RH (MILD 27.5")	*15	18991	1	DISCHARGE LINER RH (MILD 34.5")
*10	9465	1	DISCHARGE LINER RH (MILD 34.5")	*15	18993	1	DISCHARGE LINER RH (MILD 42.5")
*10	9467	1	DISCHARGE LINER RH (MILD 42.5")	16	A17017	1	HAY SHELF 47 5/8" (630)
*11	17999	1	DISCHARGE LINER LH (STAINLESS 27.5")	16	A17014	1	HAY SHELF 71 5/8" (720)
*11	18001	1	DISCHARGE LINER LH (STAINLESS 34.5")	16	A16990	1	HAY SHELF 95 5/8" (810)
*11	18003	1	DISCHARGE LINER LH (STAINLESS 42.5")	17	A16995	1	HAY SHELF 90" (630-720-810)

NOTE: *9, *10 DUAL AUGER DISCHARGE - FORMED BOTTOM
 *11, *12 DUAL AUGER DISCHARGE - FLAT BOTTOM
 *13, *14, *15 TRIPLE AUGER DISCHARGE
 AR - AS REQUIRED

WHEN ORDERING NEW DISCHARGE LINERS, MEASURE DISCHARGE LENGTH. MEASUREMENTS ARE TAKEN FROM UNDER EITHER AUGER, FROM THE BACK PLATE TO THE END (WHERE THE DROP CHUTE BEGINS). PLEASE REFER TO PAGE 84 FOR VISUAL REFERENCE.

Liners & Hay Shelves

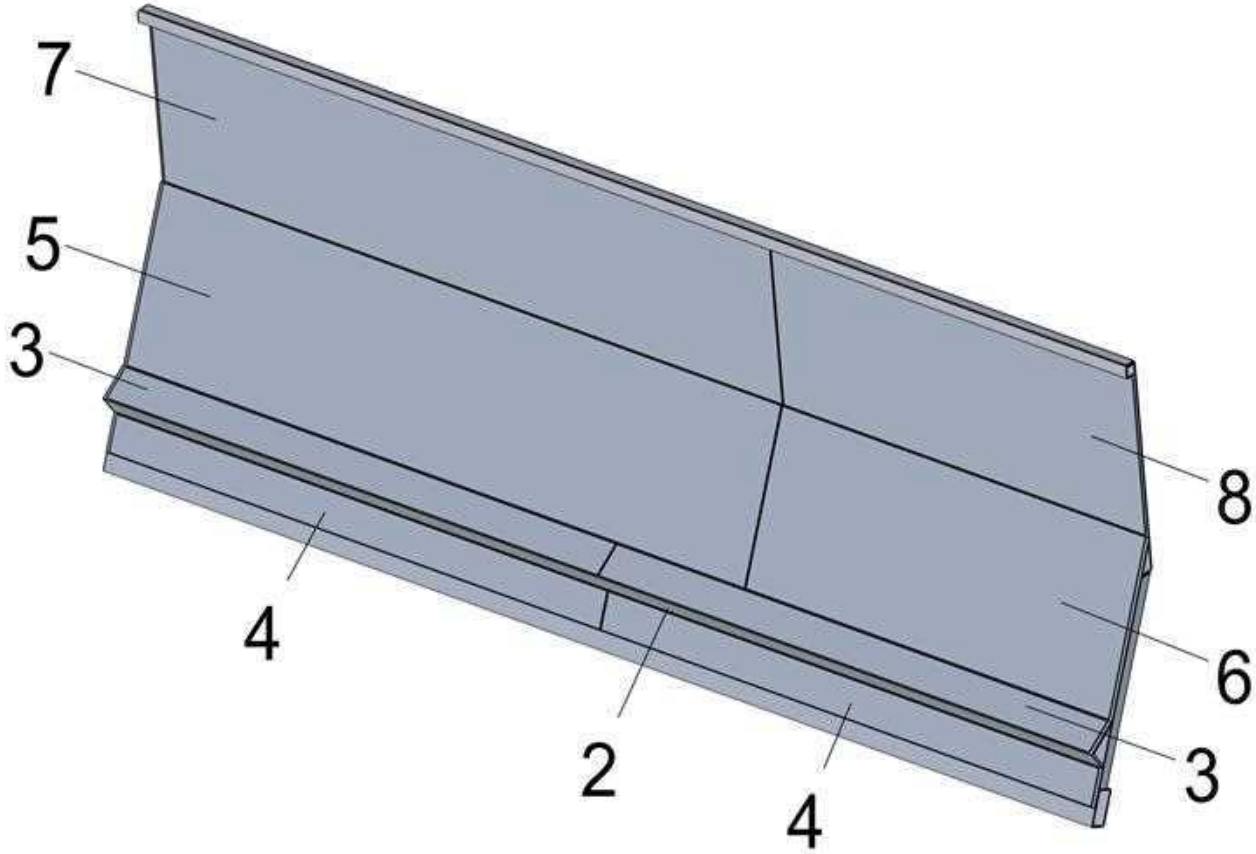
STAINLESS LINER GROUP, 720 TRIPLE - A8305



#	Part Number	Title	Quantity
1	19228	LINER, END STAINLESS 900	2
2	16478	LINER, AUGER BOTTOM 95 1/2 500'S SS	4
3	21618	LINER, SS 810 SPLIT FRONT (LOWER)	1
4	22270	LINER, SS 720 SPLIT REAR (LOWER)	2
5	21517	LINER, S.S. SIDE 810 TRIP 3" HIGHER	1
6	21617	LINER, SS 810 SPLIT FRONT (UPPER)	2
7	22271	LINER, SS 720 SPLIT REAR (UPPER)	2

Liners & Hay Shelves

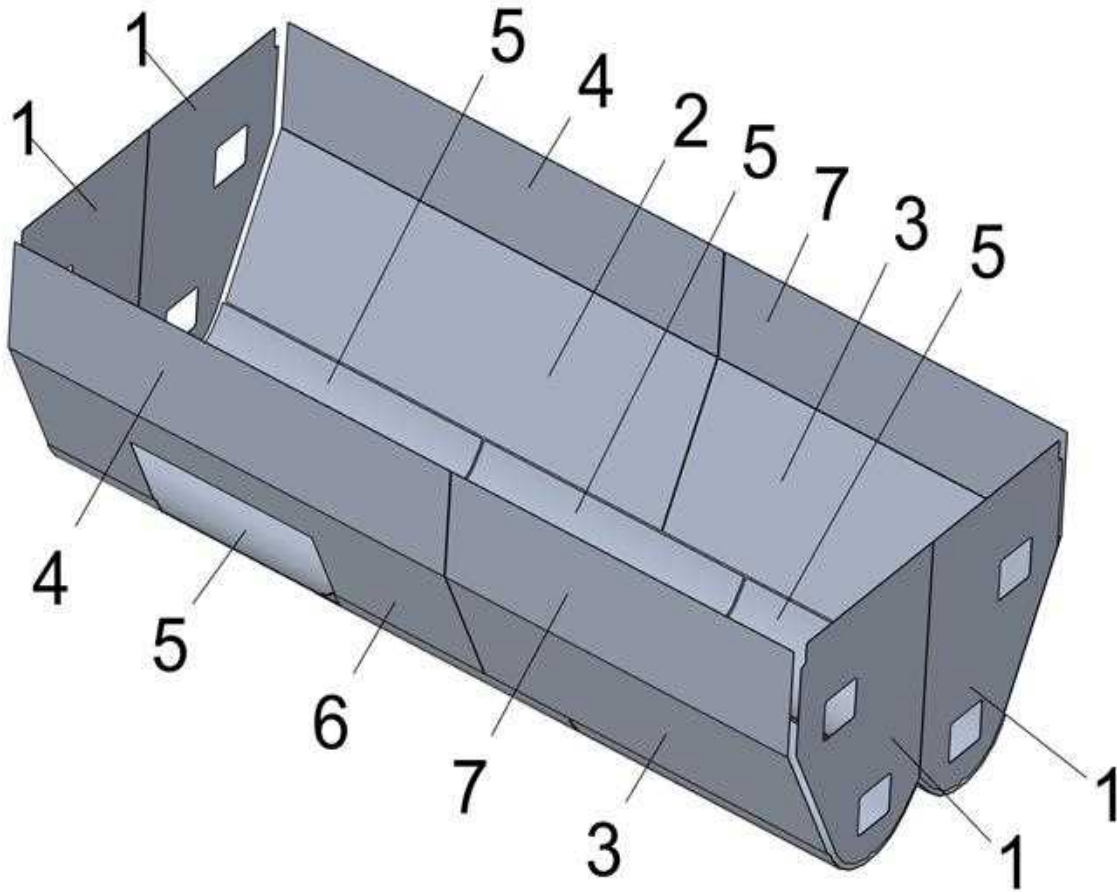
SIDE ASSEMBLY, 720 W/ 4 X 6 HAY SHELF & LINERS - A22327



#	Part Number	Title	Quantity
1	A16902	SIDE ASSY, RIGHT MODEL 720	1
2	17444	ANGLE, HAY SHELF 4 X 6 X 192	1
3	22220	LINER, S.S. 4 X 6 HAYSHELF (192")	2
4	22222	LINER, S.S. 575 W/4 X 6 HAYSHELF-LOWER	2
5	22328	LINER, SS 720 W4 X 6 HAYSHELF -LOWER FRONT	1
6	22329	LINER, SS 720 W4 X 6 HAYSHELF -LOWER REAR	1
7	21617	LINER, SS 810 SPLIT FRONT (UPPER)	1
8	22271	LINER, SS 720 SPLIT REAR (UPPER)	1

Liners & Hay Shelves

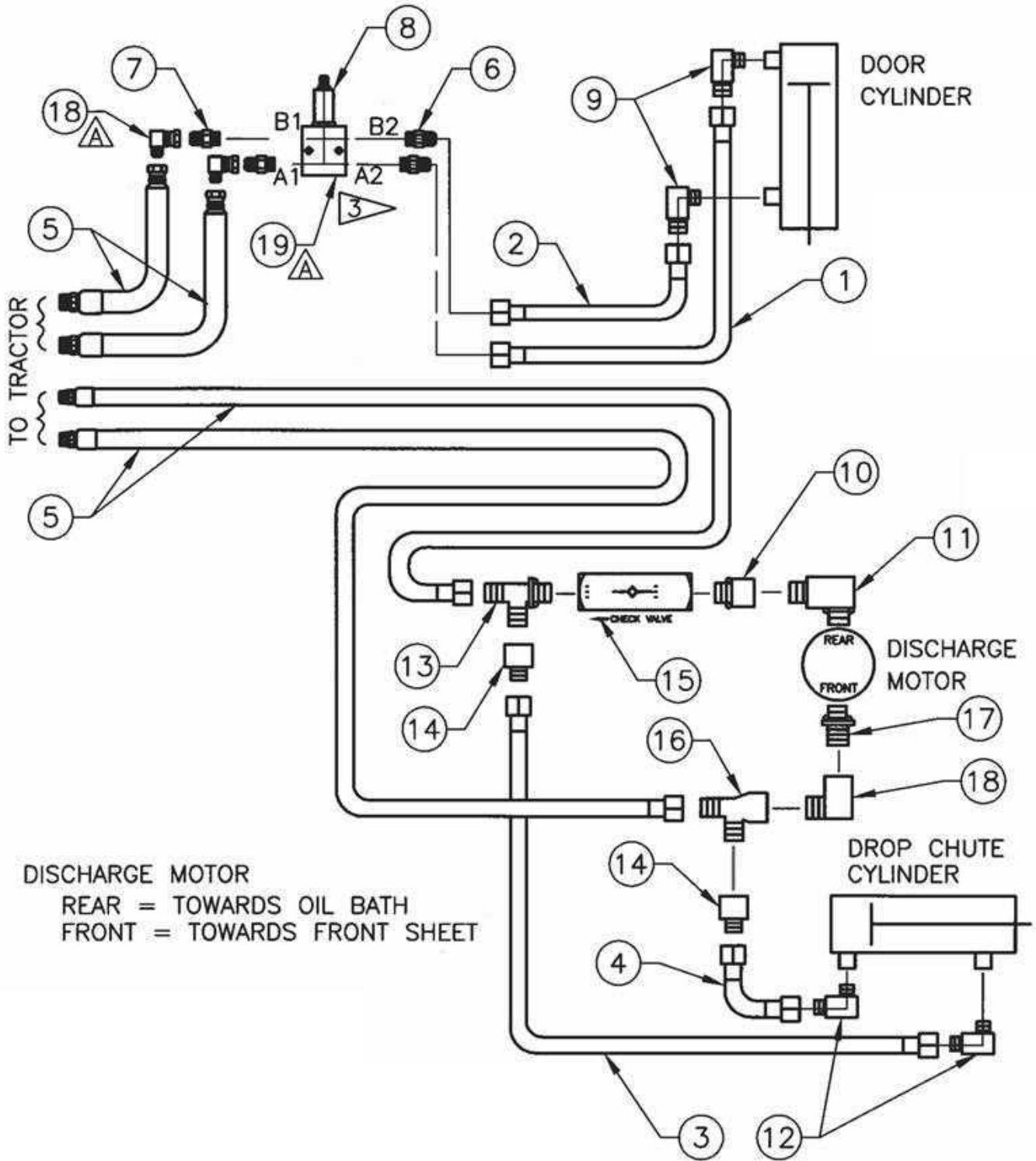
STAINLESS LINER GROUP, 810-3" HIGHER DOOR - A8397



#	Part Number	Title	Quantity
1	19228	LINER, END STAINLESS 900	4
2	21618	LINER, SS 810 SPLIT FRONT (LOWER)	1
3	21616	LINER, SS 810 SPLIT REAR (LOWER)	2
4	21617	LINER, SS 810 SPLIT FRONT (UPPER)	2
5	16477	LINER, AUGER BOTTOM 71 1/2 500'S S.S.	6
6	21517	LINER, S.S. SIDE 810 TRIP 3" HIGHER	1
7	21619	LINER, SS 810 SPLIT REAR (UPPER)	2

Hydraulic Group

HYDRAULIC GROUP, 700'S TRAILERS - A7934



Hydraulic Group

HYDRAULIC GROUP, 700'S TRAILERS - A7934

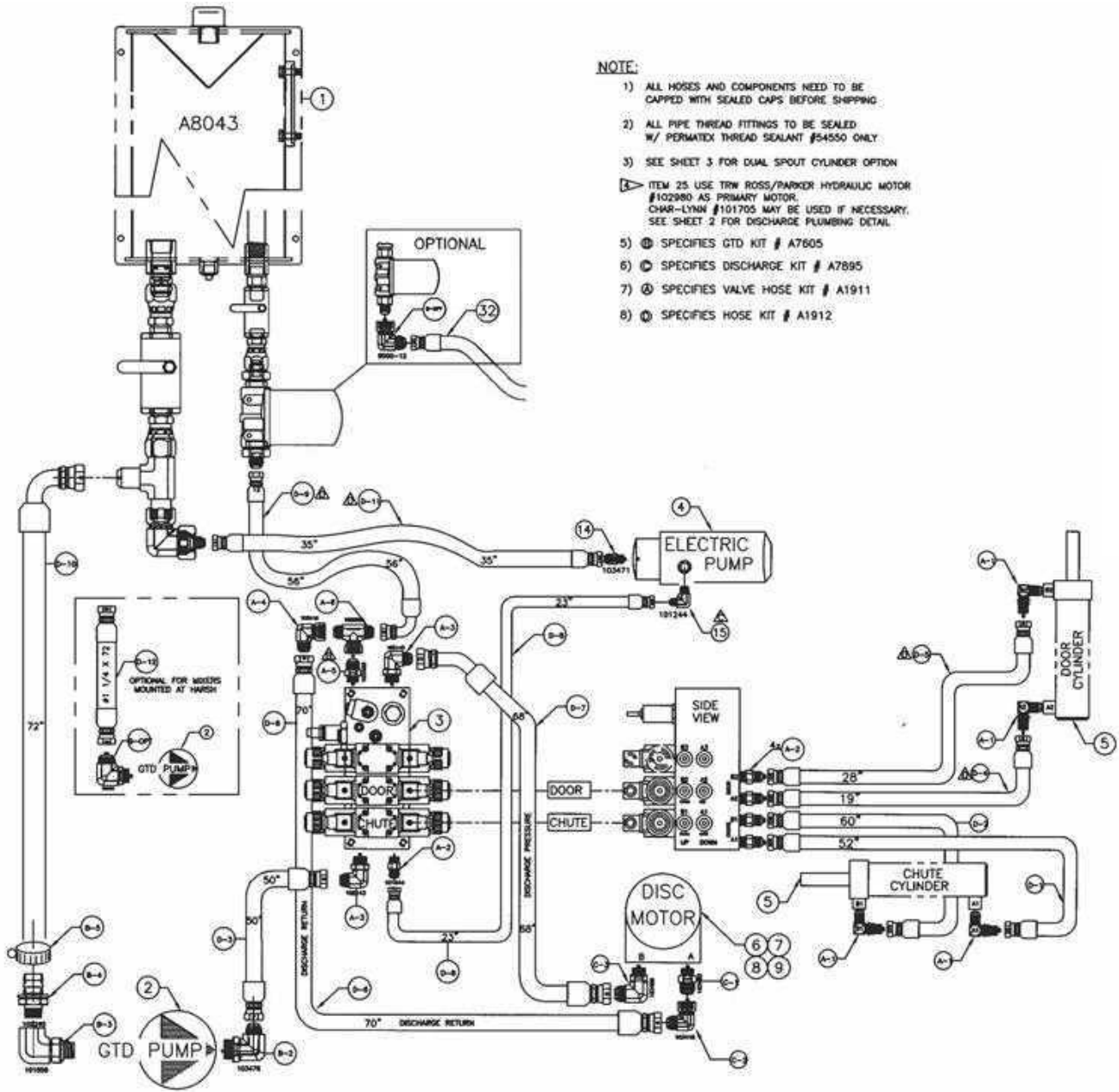
QTY	ITEM	PART NO	DESCRIPTION
NOT SHOWN	△	1 20	19498 J-BOX COVER
	△	2 19	20467 SPACER BLOCK, 1/4 X 2 1/2 X 2 1/2
	△	2 18	102402 ELBOW, #8JIC(F)SW, #8JIC(M)
		1 18	102402 ELBOW, #8JIC(F)SW, #8JIC(M)
		1 17	102161 ADAPTER, #10SAE TO #8JIC(M)
		1 16	102141 TEE, #8JIC (F,M,M)
		1 15	102404 VALVE, CHECK
1		2 14	102158 ADAPTER, REDUCER #8JIC(F), #6JIC(M)
		1 13	102405 TEE, #8SAE(M), #8JIC(M), #8JIC(M)
		2 12	101642 ELBOW, #6JIC(M)-#6SAE(M)
		1 11	102403 ELBOW, #10SAE TO #8JIC(M)
		1 10	102162 ADAPTER, #8 SAE TO #8 JIC(F)SW
		2 9	101642 ELBOW, #6JIC(M)-#6SAE(M)
		1 8	102952 VALVE,RELIEF,DISCHARGE DOOR
		2 7	103229 ADAPTOR. #6 SAE(M)-#8 JIC(M)
		2 6	101644 ADAPTER,#6 SAE (M) X #6 JIC (M)
		4 5	102169 HOSE,1/2 X 14', 1/2NPT(M) X #8JIC (F) SWVL
		1 4	103228 HOSE,1/4 X 35", #6 JIC (F) SWVL
		1 3	103227 HOSE,1/4 X 44", #6 JIC (F) SWVL
		1 2	103236 HOSE,3/8" X 28", #6 JIC (F) SWVL
		1 1	103237 HOSE,3/8" X 22", #6 JIC (F) SWVL.
QTY	ITEM	PART NO	DESCRIPTION

NOTE:

- 1 △ PARTS FOUND IN HYD.KIT #A7897
- 2 △ MOUNT 22" ABOVE LOWER BODY TUBE ON LEFT SIDE OF DOOR OPENING
- 3 △ LOCATE RELIEF VALVE 23" DOWN FROM TOP OF SIDE BRACE TUBE AND CENTERED ON TUBE

Hydraulic Group

HYDRAULIC GROUP, NON-HYDRO, 700'S TRUCK - A8156



NOTE:

- 1) ALL HOSES AND COMPONENTS NEED TO BE CAPPED WITH SEALED CAPS BEFORE SHIPPING
- 2) ALL PIPE THREAD FITTINGS TO BE SEALED W/ PERMATEX THREAD SEALANT #54550 ONLY
- 3) SEE SHEET 3 FOR DUAL SPOUT CYLINDER OPTION
- 4) ITEM 25 USE TRW ROSS/PARKER HYDRAULIC MOTOR #102980 AS PRIMARY MOTOR. CHAR-LYN #101705 MAY BE USED IF NECESSARY. SEE SHEET 2 FOR DISCHARGE PLUMBING DETAIL.
- 5) (A-5) SPECIFIES GTD KIT # A7605
- 6) (A-6) SPECIFIES DISCHARGE KIT # A7895
- 7) (A-7) SPECIFIES VALVE HOSE KIT # A1911
- 8) (A-8) SPECIFIES HOSE KIT # A1912

Hydraulic Group

HYDRAULIC GROUP, NON-HYDRO, 700'S TRUCK - A8156

10

(A) SAUER-DANFOSS VALVE FITTINGS KIT A1911

	1	6	103558	TEE, #12 JIC (F), #12 JIC (M), #12 JIC (M)
▲	1	5	103480	ADAPTOR, 12 JIC (M) X 12 O-RING (M)
	1	4	103418	90° ELBOW (SWVL), #12 JIC (M) X #12 JIC (F)
	2	3	102143	90° ELBOW, #12 JIC (M) X #12 O-RING (M)
	5	2	101644	ADAPTOR, #6 SAE (M) X #6 JIC (M)
	4	1	101642	ELBOW, 90° #6 SAE TO #6 JIC

11

(B) GTD FITTINGS KIT A7605

	1	opt	103409	90° ELBOW, 20 JIC X 16 O-RING
	2	5	100514	HOSE CLAMP
	1	4	102240	HOSE BARB, 1" NPT(M), 1 1/4 ID HOSE BARB
	1	3	101856	90° STREET ELBOW, 16 O-RING(M) X 1" NPT(F)
	1	2	103478	90° ELBOW, 12 JIC (M) X 16 O-RING (M)
	1	1	100114	POLY BAG

12

(C) DISCHARGE FITTINGS KIT A7895

	1	3	103489	90° ELBOW, #12 JIC(M) X #10 O-RING(M)
	1	2	103418	90° ELBOW (SWVL), #12 JIC (M) X #12 JIC (F)
	1	1	103482	ADAPTOR, 12 JIC (M) X 10 O-RING (M)

13

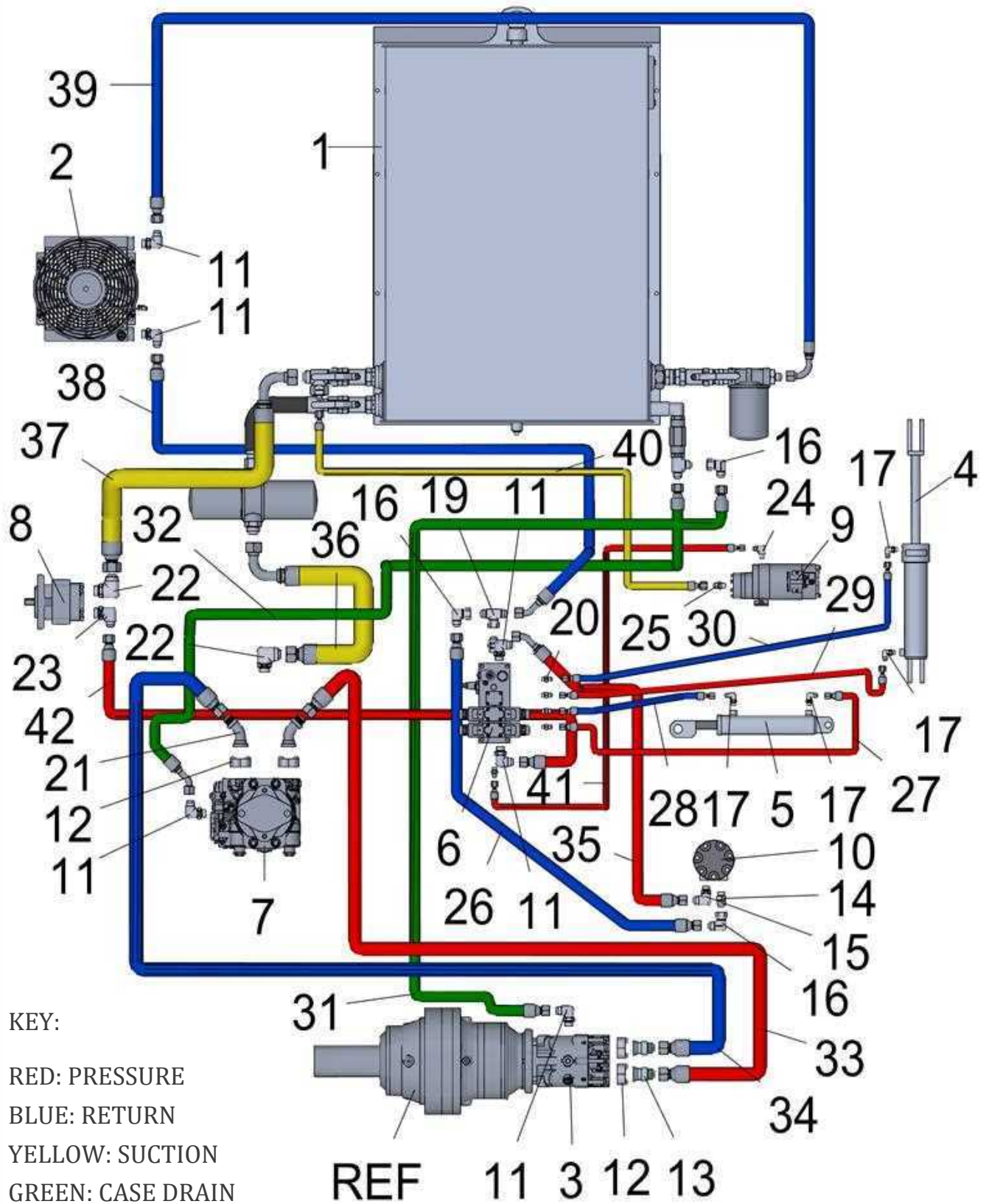
(D) HOSE KIT-NON HYDRO A1912

	1	12	103476	SUCTION HOSE, #1 1/4 X 72 LG (SAE100R4)
▲	1	11	103404	HOSE ASSY #1/2 X 35" JIC (F)
	1	10	103487	SUCTION HOSE, #1 1/4 X 72 LG (SAE100R4)
▲	1	9	103413	HOSE ASSY, #3/4 X 56 LG (SAE 100R1)
	1	8	103962	HOSE ASSY, 14" X 23"
	1	7	103898	HOSE ASS'Y, 3/4 X 88" (PRESSURE)
	1	6	103897	HOSE ASS'Y, 3/4 X 70" (RETURN)
▲	1	5	104069	HOSE ASSY, 1/4" X 28"
▲	1	4	104068	HOSE ASSY, 1/4" X 19" LG
	1	3	103477	HOSE ASSY, #3/4 X 50 LG
	1	2	103372	HOSE ASSY, 14" X 60"
	1	1	103371	HOSE ASSY, 1/4" X 52"

NOT SHOWN		4	18	100443	WASHER, FLAT, 1/4
NOT SHOWN		4	17	104057	SCREW, HEX HD CAP, 1/4-20 UNC x 5 GR2
NOT SHOWN	▲	1	16	20884	J-BOX COVER
	▲	1	15	101244	ELBOW, 90° #6 JIC TO 3/8 NPT
		1	14	103471	ADAPTOR, 8 JIC(M) X 3/8 NPT(M) (WAS 8-FTX-5)
	○	1	13	A1912	HOSE KIT-700 TRUCK-NON HYDRO
	○	1	12	A7895	DISCHARGE FITTINGS KIT
	○	1	11	A7605	GTD FITTINGS KIT
▲	▲	1	10	A1911	SAUER-DANFOSS VALVE FITTINGS KIT
		1	9	300889C	SCREW, HX. HD. CAP 1/2-13 X 1 3/4
		1	8	100272	WASHER, LOCK 1/2"
		1	7	300826C	NUT, HX. 1/2-13 UNC GRD 5
▲		1	6	102980	HYDRAULIC MOTOR (ROSS-PARKER)
	REF	5	(A17105)	CYL ASSY, DISC DOOR, 2-1/2 ID 10 STROKE TW3	
		1	4	103017	MONARCH ELECTRIC PUMP (#M326 - 12 VOLT)
		1	3	103894	SAUER DANFOSS HIC VALVE
		1	2	101848	GTD PUMP, COMMERCIAL SHEARING BI-ROTATIONAL
	REF	1	A8043	HYDRAULIC TANK GROUP, 700 TRUCK (NON-HYDRO)	
				A8156	HYDRAULIC GROUP-700 TRUCKS (NON-HYDRO)
		QTY	ITEM	PART NO	DESCRIPTION

Hydraulic Group

HYDRAULIC GROUP, 720, 55GAL, 75CC MOTOR, 100CC PUMP - A8457



Hydraulic Group

HYDRAULIC GROUP, 720, 55GAL, 75CC MOTOR, 100CC PUMP - A8457

#	Part Number	Title	Quantity
1	A8039	HYDRAULIC TANK GROUP 700, 900 TRUCKS	1
2	104366	OIL COOLER, HYDAC OK3H3.012SO13	1
3	104218	MOTOR, 90 M 75	1
4	A17015	CYL ASS'Y DISC DOOR 2 1/2 ID 10" STROKE TW3	1
5	A22384	CYLINDER ASS'Y, DROP CHUTE -NEW	1
6	104372	COMATROL HIC MANIFOLD (NEW STYLE)	1
7	104216	PUMP, L.H. 100 CC ELECT (FEPTO)	1
8	103054	PUMP, HYDRO AUXILIARY 13 GPM	1
9	103017	PUMP, ELECTRIC M-326	1
10	102980	MOTOR, ROSS HYDRAULIC	1
11	102143	ELBOW, 90DEG, #12 JIC(M) x #12 SAE(M)	6
12	103184	SPLIT FLANGE	8
13	103435	FLANGE ADAPTER, #16 FLANGE x #16 JIC (M)	2
14	103482	ADAPTER,#12 JIC(M) x #10 O-RING(M)	1
15	103489	90 DEG ELBOW, #12 JIC(M) x #10 O-RING(M)	1
16	103418	90 DEG ELBOW (SWVL), #12 JIC(M) x #12 JIC(F)	3
17	101642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	4
18	103480	ADAPTER, #12 JIC(M) x #12 SAE(M)	1
19	103558	SWIVEL TEE,#12 JIC(F), #12 JIC(M), #12 JIC(M)	1
20	101644	ADAPTER, #6 SAE(M) x #6 JIC(M)	5
21	103499	FLANGE ELBOW 45	2
22	103409	90 DEG ELBOW, #20 JIC(M) x #16 O-RING(M)	2
23	103478	90 DEG ELBOW, #12 JIC(M) x #16 SAE(M)	1
24	101244	ELBOW, #6 JIC (M) X 3/8 NPT (M)	1
25	103471	ADAPTOR, #8 JIC (M) X 3/8" (M)	1
26	103898	3/4" X 68" X #12 JIC (F) STR	1
27	103371	HOSE ASS'Y 1/4" X 52" LG #6 JIC (F)	1
28	103372	HOSE ASS'Y, 1/4 X 60 #6 JIC (F)	1
29	104068	HOSE ASS'Y, 1/4" X 19" #6 JIC (F)	1
30	104069	HOSE ASS'Y, 1/4" X 33" LG #6 JIC (F)	1
31	104060	HOSE ASS'Y, 3/4" X 207"	1
32	103430	HOSE ASS'Y, 3/4" X 31"	1
33	104303	HOSE ASSY, 1" X 158", PRESSURE	1

CONT. ON NEXT PAGE

Hydraulic Group

HYDRAULIC GROUP, 720, 55GAL, 75CC MOTOR, 100CC PUMP - A8457

#	Part Number	Title	Quantity
34	104305	HOSE ASSY, 1" X 158", RETURN	1
35	103897	HOSE ASS'Y, 3/4" X 68" X #12 JIC 45° X #12 JIC(F) STR	1
36	103411	HOSE ASS'Y, 1 1/4" X 46" (SUCTION)	1
37	103793	SUCTION HOSE ASSY, 1 1/4" HOSE X 58"	1
38	104063	HOSE ASSY, 3/4" HOSE X 112"	1
39	104067	HOSE ASSY, 3/4" HOSE X 132"	1
40	103562	HOSE ASS'Y, 1/2" X 70", #8 JIC (F) SW	1
41	103962	HOSE ASS'Y, 1/4 X 23 LG #6 JIC (F)	1
42	103413	HOSE ASS'Y, 3/4" X 53"	1
REF	104174	GEARBOX, PLANETARY R.R. 1700	1

NOTE:

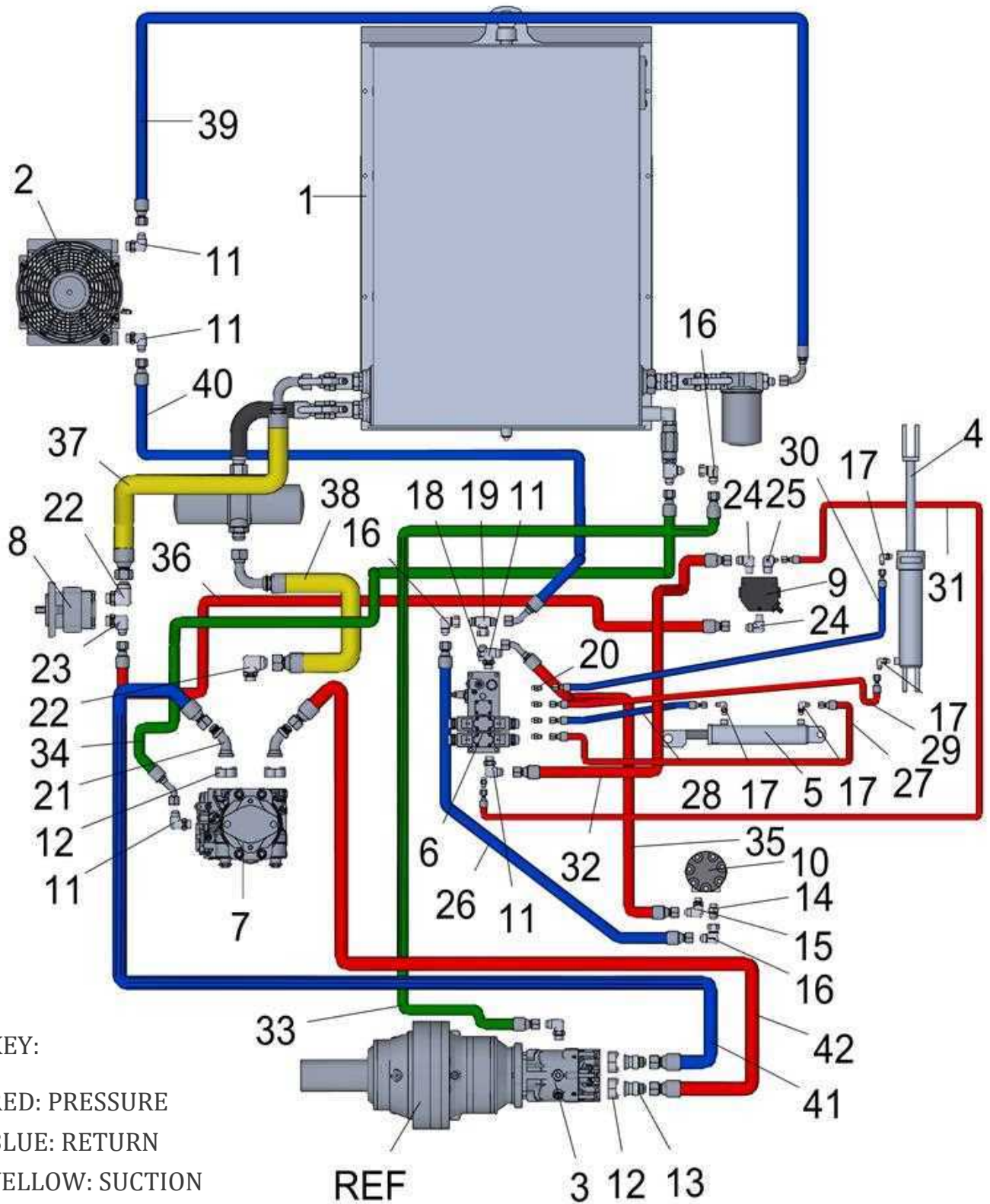
The Hydraulic Group shown is used on 630SD and 720SD Trucks. The Hydraulic Group used on 810SD mixers have slight variations. For more part information, contact your local Harsh International dealer or our front desk at (970) 454-2291.

Reference numbers:

HYDRAULIC GROUP, 810, 55GAL, 75CC MOTOR, 100CC PUMP - A8451

Hydraulic Group

HYDRAULIC GROUP, 720, 55GAL, 75CC MOTOR, 100CC PUMP, W/ FLOW DIVIDER - A8447



Hydraulic Group

HYDRAULIC GROUP, 720, 55GAL, 75CC MOTOR, 100CC PUMP, W/ FLOW DIVIDER - A8447

#	Part Number	Title	Quantity
1	A8445	HYDRAULIC TANK GROUP, 55GAL, RCL	1
2	104366	OIL COOLER, HYDAC OK3H3.012S013	1
3	104218	MOTOR, 90 M 75	1
4	A17105	CYL ASS'Y DISC DOOR 2 1/2 ID 10" STROKE TW3	1
5	A22384	CYLINDER ASS'Y, DROP CHUTE -NEW	1
6	104372	COMATROL HIC MANIFOLD (NEW STYLE)	1
7	104216	PUMP, L.H. 100 CC ELECT (FEPTO)	1
8	103054	PUMP, HYDRO AUXILIARY 13 GPM	1
9	104166	ADJ PRI FLOW DIVIDER	1
10	102980	MOTOR, ROSS HYDRAULIC	1
11	102143	ELBOW, 90DEG, #12 JIC(M) x #12 SAE(M)	6
12	103184	SPLIT FLANGE	8
13	103435	FLANGE ADAPTER, #16 FLANGE x #16 JIC (M)	2
14	103482	ADAPTER,#12 JIC(M) x #10 O-RING(M)	1
15	103489	90 DEG ELBOW, #12 JIC(M) x #10 O-RING(M)	1
16	103418	90 DEG ELBOW (SWVL), #12 JIC(M) x #12 JIC(F)	3
17	101642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	4
18	103480	ADAPTER, #12 JIC(M) x #12 SAE(M)	1
19	103558	SWIVEL TEE,#12 JIC(F), #12 JIC(M), #12 JIC(M)	1
20	101644	ADAPTER, #6 SAE(M) x #6 JIC(M)	5
21	103499	FLANGE ELBOW 45	2
22	103409	90 DEG ELBOW, #20 JIC(M) x #16 O-RING(M)	2
23	103478	90 DEG ELBOW, #12 JIC(M) x #16 SAE(M)	1
24	103555	ELBOW, 90DEG 3/4 NPT(M) x #12 JIC (M)	2
25	104184	ADAPTER, 3/4 NPT x #6 JIC (6-12CTX-S)	1
26	103898	3/4" X 68" X #12 JIC (F) STR	1
27	103371	HOSE ASS'Y 1/4" X 52" LG #6 JIC (F)	1
28	103372	HOSE ASS'Y, 1/4 X 60 #6 JIC (F)	1
29	104068	HOSE ASS'Y, 1/4" X 19" #6 JIC (F)	1
30	104069	HOSE ASS'Y, 1/4" X 33" LG #6 JIC (F)	1
31	103962	HOSE ASS'Y, 1/4 X 23 LG #6 JIC (F)	1
32	104420	HOSE ASSEMBLY, 3/4 X 35" LONG	1
33	104060	HOSE ASS'Y, 3/4" X 207"	1

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Hydraulic Group

HYDRAULIC GROUP, 720, 55GAL, 75CC MOTOR, 100CC PUMP, W/ FLOW DIVIDER - A8447

#	Part Number	Title	Quantity
34	103430	HOSE ASS'Y, 3/4" X 31"	1
35	103897	HOSE ASS'Y, 3/4" X 68" X #12 JIC 45° X #12 JIC(F) STR	1
36	103413	HOSE ASS'Y, 3/4" X 56"	1
37	103793	SUCTION HOSE ASSY, 1 1/4" HOSE X 58"	1
38	103411	HOSE ASS'Y, 1 1/4" X 46" (SUCTION)	1
39	104067	HOSE ASSY, 3/4" HOSE X 132"	1
40	104063	HOSE ASSY, 3/4" HOSE X 112"	1
41	104305	HOSE ASSY, 1" X 158", RETURN	1
42	104303	HOSE ASSY, 1" X 158", PRESSURE	1
REF	104174	GEARBOX, PLANETARY R.R. 1700	1

NOTE:

The Hydraulic Group shown is used on 630SD and 720SD Trucks. The Hydraulic Group used on 810SD mixers have slight variations. For more part information, contact your local Harsh International dealer or our front desk at (970) 454-2291.

Reference numbers:

HYDRAULIC GROUP, 810, 55GAL, 75CC MOTOR, 100CC PUMP, W/FLOW DIVIDER - A8454

Hydraulic Group - Hydac

HYDRAULIC GROUP, 800'S HYDAC TT CONTROL SYSTEM - A8571

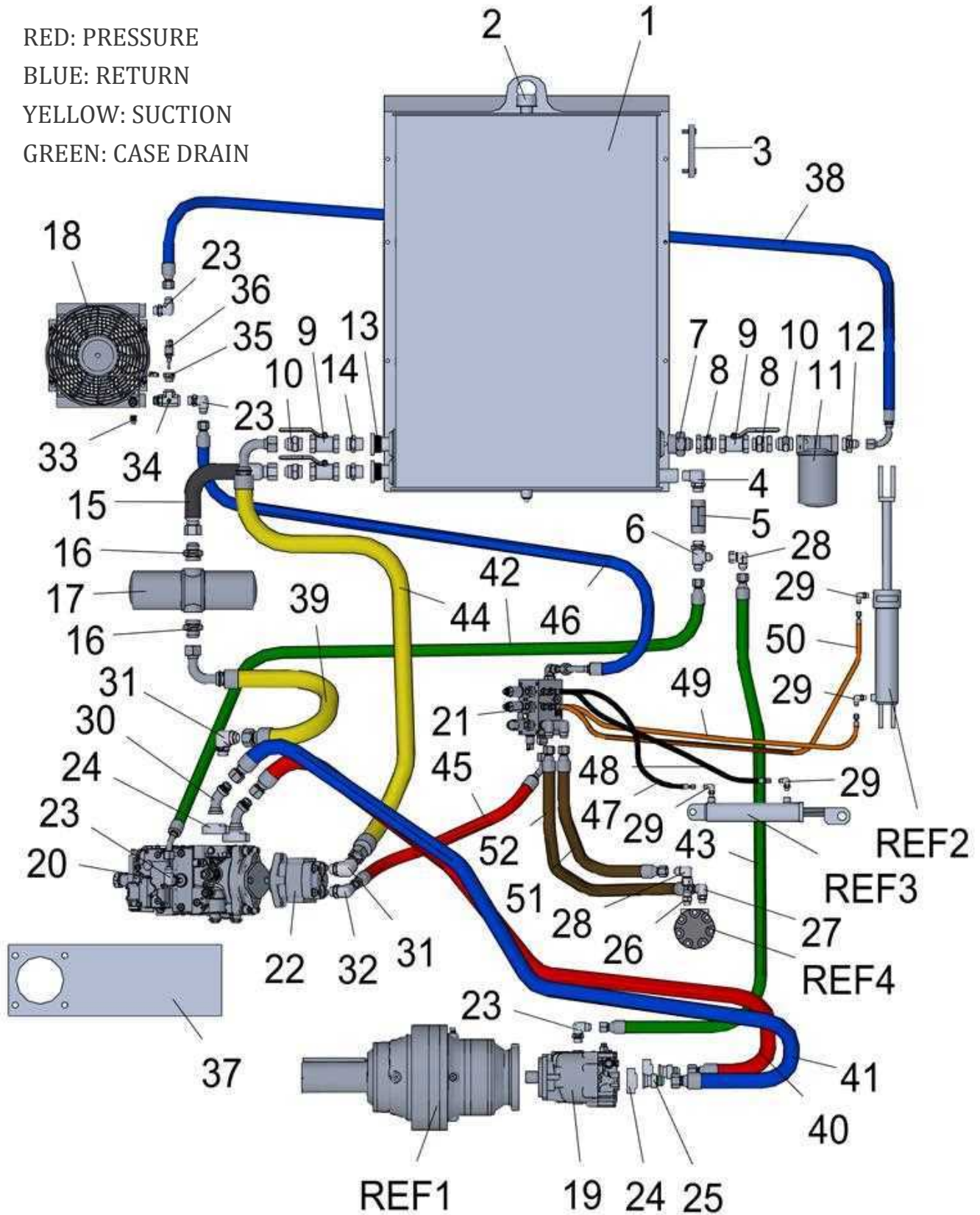
KEY:

RED: PRESSURE

BLUE: RETURN

YELLOW: SUCTION

GREEN: CASE DRAIN



Hydraulic Group - Hydac

HYDRAULIC GROUP, 800'S HYDAC TT CONTROL SYSTEM - A8571

#	Part Number	Title	Quantity
1	A18324	TANK ASS'Y, HYDRAULIC 55 GAL	1
2	100182	CAP, BREATHER WMS #1013	1
3	103376	HYD SIGHT LEVEL W/TEMP GUAGE	1
4	103959	ELBOW, 90° #16 SAE (M) X 1" NPT (M)	1
5	103425	CHECK VALVE, 5 PSI #16 SAE (F)	1
6	103424	RUN TEE, #12 JIC x #16 SAE x #12 JIC	1
7	103494	ADAPTER, #20 JIC (M) X 2" NPT (M)	1
8	103468	SWIVEL ADAPTER, 20 O-RING(M) X 20 JIC (F-SWVL)	2
9	103401	BALL VALVE (PARKER) SAE #20 X SAE #20	3
10	103402	ADAPTER, #20 JIC x #20 SAE	3
11	103463	FILTER HEAD, SINGLE #20 O-RING	1
12	103410	ADAPTER, #12 JIC x #20 SAE	1
13	101850	STRAINER, SUCTION 1 1/4 NPT 25 GAL	2
14	103400	ADAPTER, 1-1/4 NPT x #20 SAE	2
15	103590	SUCTION HOSE ASSY, 1 1/4 ID HOSE X 26.5 LG	1
16	104326	FITTING, 20JIC to 24 O-RING	2
17	104481	FILTER HEAD ASS'Y, SAE PORTS	1
18	104366	OIL COOLER, HYDAC OK3H3.012SO13	1
19	104218	MOTOR, 90 M 75	1
20	104216	PUMP, L.H. 100 CC ELECT (FEPTO)	1
21	104797	MANIFOLD, TT CONTROL SYSTEM - MIXERS	1
22	103054	PUMP, HYDRO AUXILIARY 13 GPM	1
23	102143	ELBOW, 90DEG, #12 JIC(M) x #12 SAE(M)	4
24	103184	SPLIT FLANGE	8
25	103435	FLANGE ADAPTER, #16 FLANGE x #16 JIC (M)	2
26	103482	ADAPTER,#12 JIC(M) x #10 O-RING(M)	1
27	103489	90 DEG ELBOW, #12 JIC(M) x #10 O-RING(M)	1
28	103418	90 DEG ELBOW (SWVL), #12 JIC(M) x #12 JIC(F)	2
29	101642	90 DEG ELBOW, #6 O-RING(M) x #6 JIC(M)	4
30	103499	FLANGE ELBOW 45	2
31	103409	90 DEG ELBOW, #20 JIC(M) x #16 O-RING(M)	2
32	103478	90 DEG ELBOW, #12 JIC(M) x #16 SAE(M)	1

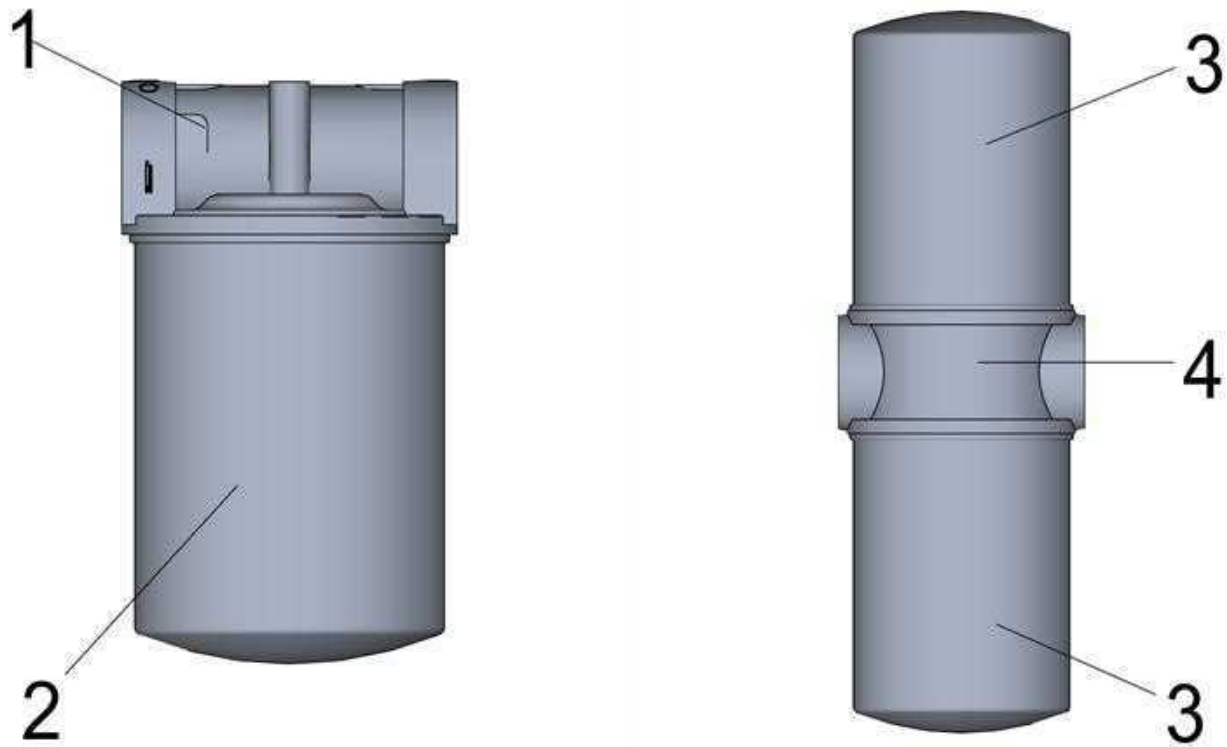
Hydraulic Group - Hydac

HYDRAULIC GROUP, 800'S HYDAC TT CONTROL SYSTEM - A8571

#	Part Number	Title	Quantity
33	101351	PLUG, SQ HD 1/2 NPT	1
34	104690	RUN TEE, 6835-12MB-12FB-12FB	1
35	104691	O-RING ADAPTER/REDUCER 6410-12-06	1
36	104745	HYDAC COOLER TEMP TRANSDUCER	1
37	24870	PLATE, PUMP MOUNT - 6"	1
38	104067	HOSE ASS'Y, 3/4" X 132" LONG	1
39	103411	HOSE ASS'Y, 1 1/4" X 46" LONG (SUCTION)	1
40	104304	HOSE ASSY, 1" X 182", PRESSURE	1
41	104306	HOSE ASSY, 1" X 182" LONG (RETURN)	1
42	103430	HOSE ASS'Y, 3/4" X 31" LONG	1
43	104299	HOSE ASS'Y, 3/4" X 251" LONG	1
44	103793	HOSE ASS'Y, 1 1/4" X 56" LONG (SUCTION)	1
45	103413	HOSE ASS'Y, 3/4" X 56" LONG	1
46	104063	HOSE ASS'Y, 3/4" X 112" LONG	1
47	103371	HOSE ASS'Y, 1/4" X 52" LONG #6 JIC (F)	1
48	103372	HOSE ASS'Y, 1/4" X 60" LONG #6 JIC (F)	1
49	104068	HOSE ASS'Y, 1/4" X 19" LONG #6 JIC (F)	1
50	104069	HOSE ASS'Y, 1/4" X 33" LONG #6 JIC (F)	1
51	104872	HOSE ASS'Y, 3/4" X 60" LONG #12 JIC (F)	1
52	104873	HOSE ASS'Y, 3/4" X 58" LONG #12 JIC (F)	1
REF1	104174	GEARBOX, PLANETARY R.R. 1700	1
REF2	A17105	CYL ASS'Y DISC DOOR 2 1/2 ID 10" STROKE TW3	1
REF3	A22384	CYLINDER ASS'Y, DROP CHUTE -NEW	1
REF4	102980	MOTOR, ROSS HYDRAULIC	1

Hydraulic Group - Filters

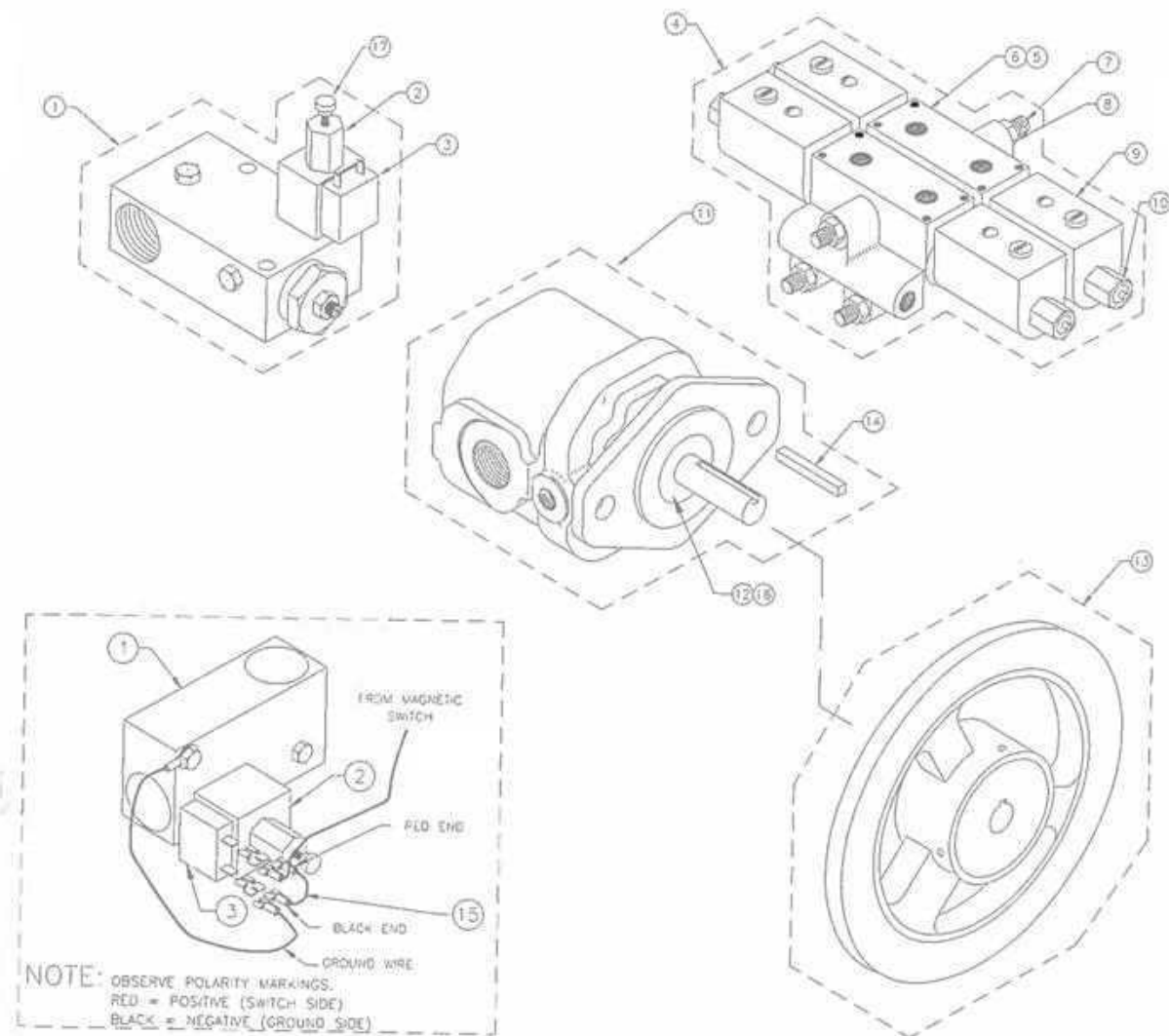
FILTER HEAD ASSEMBLIES - 103463 & 104481



#	Part Number	Title	Quantity
1	103463	FILTER HEAD, SINGLE #20 O-RING	1
2	103096	FILTER ELEMENT, 10 MICRON	1

#	Part Number	Title	Quantity
3	103096	FILTER ELEMENT, 10 MICRON	2
4	104327	SPIN ON FILTER BASE -DUAL (SAE)	1

Hydraulic Components



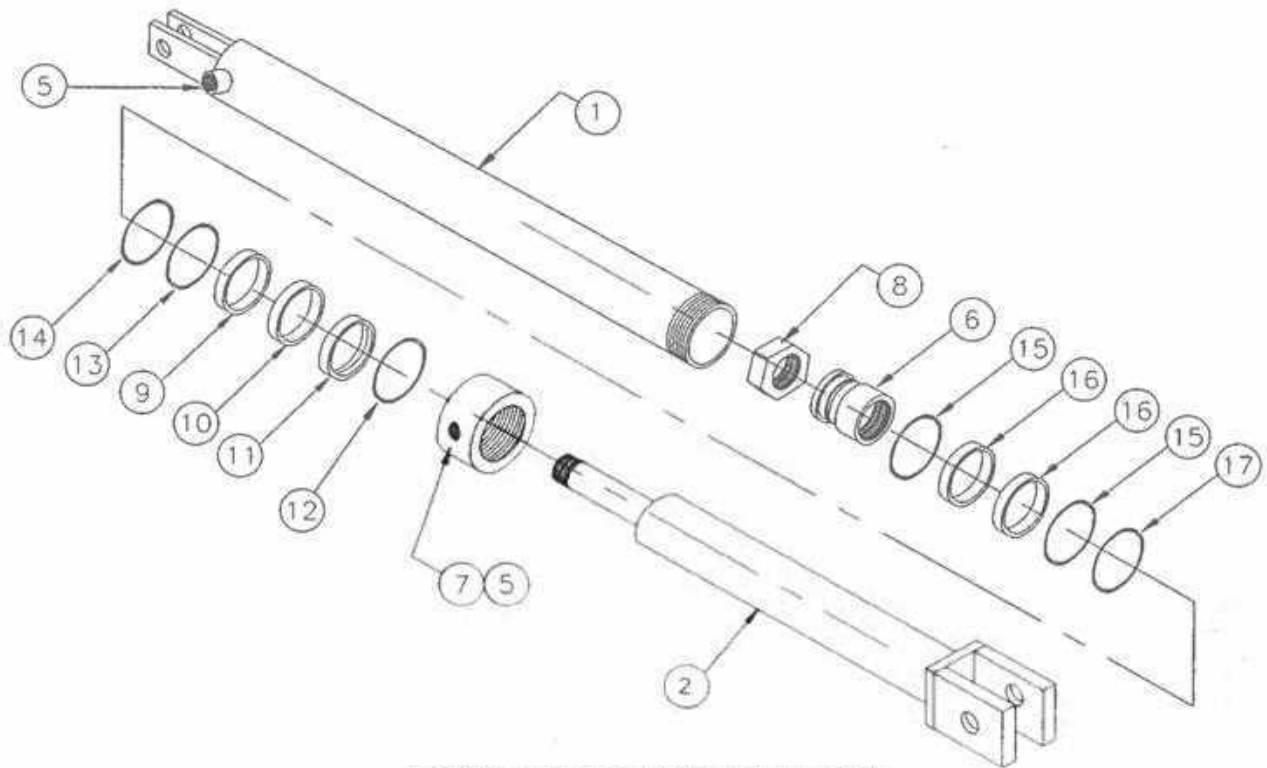
NOTES: AR - AS REQUIRED.

SK30024VC - SEAL KIT FOR ITEM 1 (102347)

SPECIAL OPTION - 3 SPOOL VALVE - 102347

QTY	ITEM#	PART #	DESCRIPTION	QTY	ITEM#	PART#	DESCRIPTION
1	1	102368	SOLENOID RELIEF VALVE,NORM OPEN, HYDRAULIC GROUPS (SAME AS 101779)	1	11	100929	PUMP, GEAR 2-BOLT, BI-ROT
1	2	4411	CARTRIDGE, NORMALLY OPEN SOLENOID (FAUVER)	1	12	4461	PUMP SEAL (BARNES)
1	3	4413	SOLENOID COIL (FAUVER)	1	13	100916	PULLEY, 6 OD, 1/2 BORE, 1/8 KEYWAY
1	4	104156	VALVE MANIFOLD, 2 STATION (DAMON)	1	14	4484	KEY, SQUARE 1/8 X 1
1	4	102347	VALVE, 4-WAY, 3 SPOOL	1	15	A17538	DIODE SUPPRESSION, DISCHARGE MOTOR SOLENOID
AR	5	4405	VALVE SECTION W/O COILS	1	16	4486	BEARING, #R-8
AR	6	4406	SEAL KIT, SINGLE SECTION	1	17	4516	MANUAL OVERRIDE KIT, WHEEL & NUT
3	7	4407	TIE ROD, 2 BANK	1	18	103017	ELECTRIC PUMP, M-326, NO RELIEF, MIXER TRUCK
3	7	4408	TIE ROD, 3 BANK	1	19	4525/4437	ELECTRIC PUMP SWITCH, SOLENOID
6	8	4409	NUT	1	20	18806	MOUNTING PLATE, 1/4 X 7 X 15 LG
AR	9	4410	COIL (UNITED TECH)C04-12-TD	1	21	9853	ELECTRIC PUMP MOTOR
AR	10	4475	STACK VALVE NUT				

Hydraulic Components



DISCHARGE DOOR CYLINDER
2 1/2" BORE

ITEM	PART #	QTY	DESCRIPTION
	A17105	1	CYLINDER ASS'Y, DIS. DOOR
1	A17106	1	CYLINDER BODY ASS'Y, 2 1/2" BORE
2	A17108	1	CYLINDER SHAFT ASS'Y
*3	A9253	1	PISTON SEAL KIT
*4	A9405	1	GLAND NUT SEAL KIT
5	101669	2	PIPE PLUG #6 SAE
6	10093	1	PISTON, 2 1/2" DIA.
7	12860	1	GLAND NUT
8	100252	1	NUT, HEX

ITEM	PART #	QTY	DESCRIPTION
9	15605	NSS	1 BEARING BUSHING
10	101957	NSS	1 SEAL, POLY-PAK
11	15604	NSS	1 WIPER BUSHING
12	100133	NSS	1 WIPER RING
13	100143	NSS	1 RETAINING RING
14	100191	NSS	1 O-RING SEAL
15	100155	NSS	2 O-RING SEAL
16	100620	NSS	2 BACK UP RING

DISCHARGE DOOR CYLINDER
3 1/2" BORE

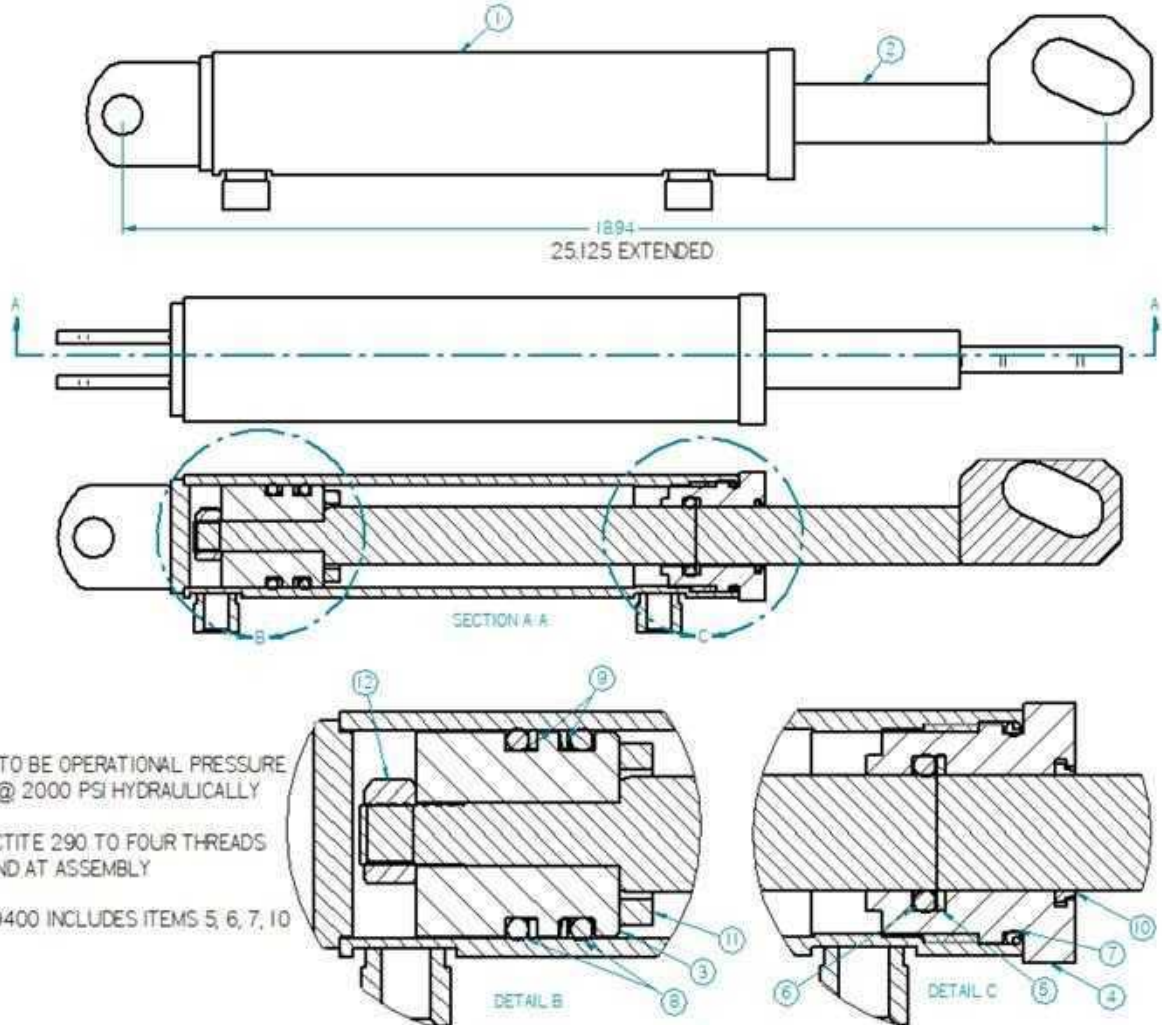
ITEM	PART #	QTY	DESCRIPTION
	A16955	1	CYLINDER ASS'Y, DIS. DOOR
1	A12130	1	CYLINDER BODY ASS'Y, 3 1/2" BORE
2	A16956	1	CYLINDER SHAFT ASS'Y
*3	A9255	1	PISTON SEAL KIT
*4	A9406	1	GLAND NUT SEAL KIT
5	101669	2	PIPE PLUG #6 SAE
6	10095	1	PISTON, 3 1/2" DIA.
7	12131	1	GLAND NUT
8	100222	1	NUT, HEX

ITEM	PART #	QTY	DESCRIPTION
9	15607	NSS	1 BUSHING
10	101958	NSS	1 SEAL, POLY-PAK
11	15606	NSS	1 WIPER BUSHING
12	100135	NSS	1 WIPER RING
13	100145	NSS	1 RETAINING RING
14	100194	NSS	1 O-RING SEAL
15	100159	NSS	2 O-RING SEAL
16	100621	NSS	2 BACK UP RING
17	100140	NSS	1 O-RING SEAL

NOTE: *3 INCLUDES ITEMS 15, 16, (17 - 3 1/2" CYLINDER).
*4 INCLUDES ITEMS 9, 10, 11, 12, 13, & 14.
NSS - NOT SOLD SEPARATELY

Hydraulic Components

CYLINDER ASS'Y, DROP CHUTE - A17370



NOTES:

CYLINDER TO BE OPERATIONAL PRESSURE CHECKED @ 2000 PSI HYDRAULICALLY

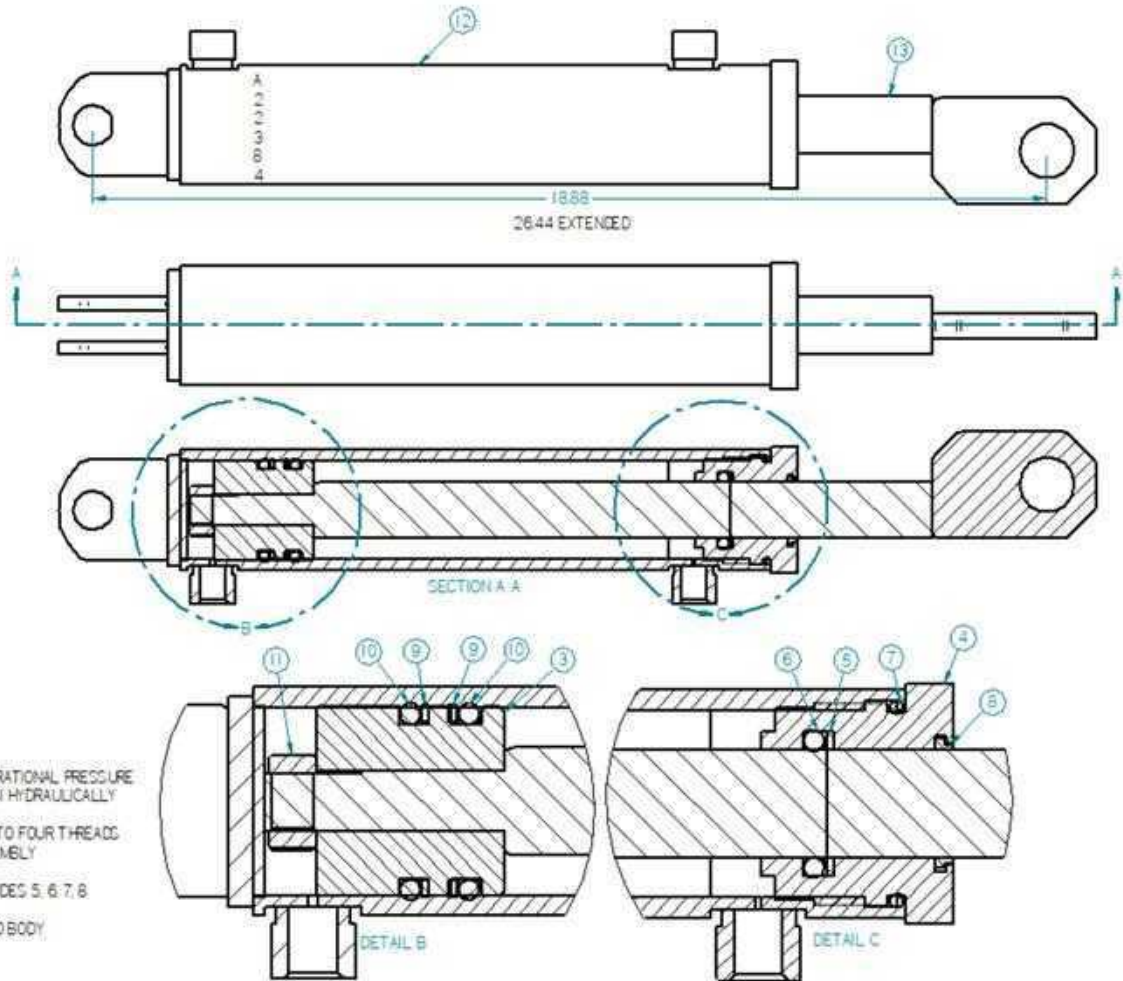
APPLY LOCTITE 290 TO FOUR THREADS ALL AROUND AT ASSEMBLY

SEAL KIT 9400 INCLUDES ITEMS 5, 6, 7, 10

ITEM #	QTY	PART #	DESCRIPTION
12	1	100248	NUT, HEX 5/8-18 UNF
11	1	19528	RING, STOP
10	1	100133	WIPER, RING 1 1/8 ID AN 6231-11 (TW3)
9	2	100732	BACK-UP RING, 1-5/8 ID-326
8	2	100153	O-RING, 1 5/8 IDx3/16 CS-326
7	1	100901	O-RING, 2-1/8 OD x 1/8 CS-225
6	1	101699	O-RING, 1-1/8 ID x 3/16 CS-320
5	1	101698	BACK-UP RING, 1-1/8 ID - 320
4	1	14503	GLAND NUT, INTERNAL, THRD 2-1/8 x 1-1/8 BORE
3	1	10092	PISTON,TWO WAY (TW2)
2	1	A14507	SHAFT ASSY, CYLINDER, 1-1/8 OD W/SLOT
1	1	A17369	BODY ASSY,CYLINDER, DROP CHUTE

Hydraulic Components

CYLINDER ASS'Y, DROP CHUTE -NEW - A22384



NOTES

CYLINDER TO BE OPERATIONAL PRESSURE CHECKED @ 2000 PSI HYDRAULICALLY

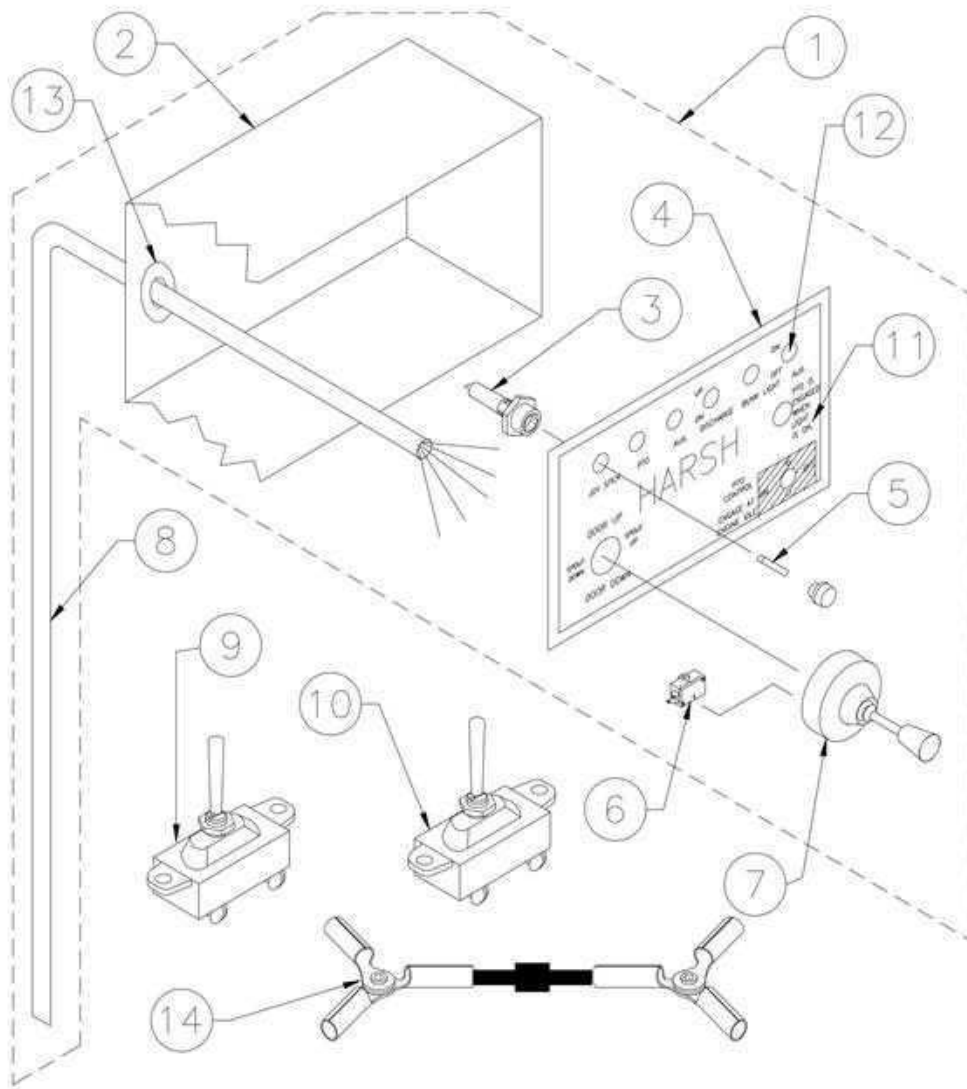
APPLY LOCTITE 290 TO FOUR THREADS ALL AROUND AT ASSEMBLY

SEAL KIT 9400 INCLUDES 5, 6, 7, 8

ADD PART NUMBER TO BODY

ITEM #	QTY	PART #	DESCRIPTION
13	1	A22295	SHAFT ASSY, DROP CHUTE CYL (NEW)
12	1	A22390	BODY ASSY, DISCH CYLINDER -NEW
11	1	100248	NUT, HEX 5/8-18 UNF
10	2	100153	O-RING, 1 5/8 IDx3/16 CS-326
9	2	100732	BACK-UP RING, 1-5/8 ID-326
8	1	100133	WIPER, RING 1 1/8 ID AN 6231-11 (TW3)
7	1	100901	O-RING, 2-1/8 OD x 1/8 CS-225
6	1	101699	O-RING, 1-1/8 ID x 3/16 CS-320
5	1	101698	BACK-UP RING, 1-1/8 ID - 320
4	1	14503	GLAND NUT, INTERNAL, THRD 2-1/8 x 1-1/8 BORE
3	1	10092	PISTON, TWO WAY (TW2)

Electric Switches



ELECTRIC SWITCHES

ITEM PART # QTY DESCRIPTION

*1	A7539	1	CONTROL BOX, JOYSTICK
1	A7456	1	CONTROL BOX, JOYSTICK
2	16781	1	CONTROL BOX, BOTTOM
3	490041	AR	FUSE HOLDER
4	16780	1	CONTROL BOX, LID
5	NPN	AR	FUSE, AGC 10 AMP
6	4404	AR	JOY STICK SWITCH
*7	A17469	1	JOY STICK CONTROL (8 SWITCH)
7	102079	1	JOY STICK CONTROL (4 SWITCH)
8	16399	1	CABLE, 4 CONDUCTOR
*8	17468	1	CABLE, 8 CONDUCTOR

ITEM PART # QTY DESCRIPTION

9	490197	1	PTO SWITCH
10	101324	2	TOGGLE SWITCH
11	102422	1	DECAL, JOY STICK CONTROL BOX
12	102295	AR	PLUG
13	102294	1	GROMMET, CABLE
14	A17539	1	DIODE ASSEMBLY
15	A16110	1	INDICATOR PEDESTAL
16	102328	1	DIGITAL LCD REVOLUTION COUNTER
17	490392	1	REVOLUTION COUNTER MAGNET - top
18	490343	1	REVOLUTION COUNTER MAGNET - bottom

NOTE: AR - AS REQUIRED

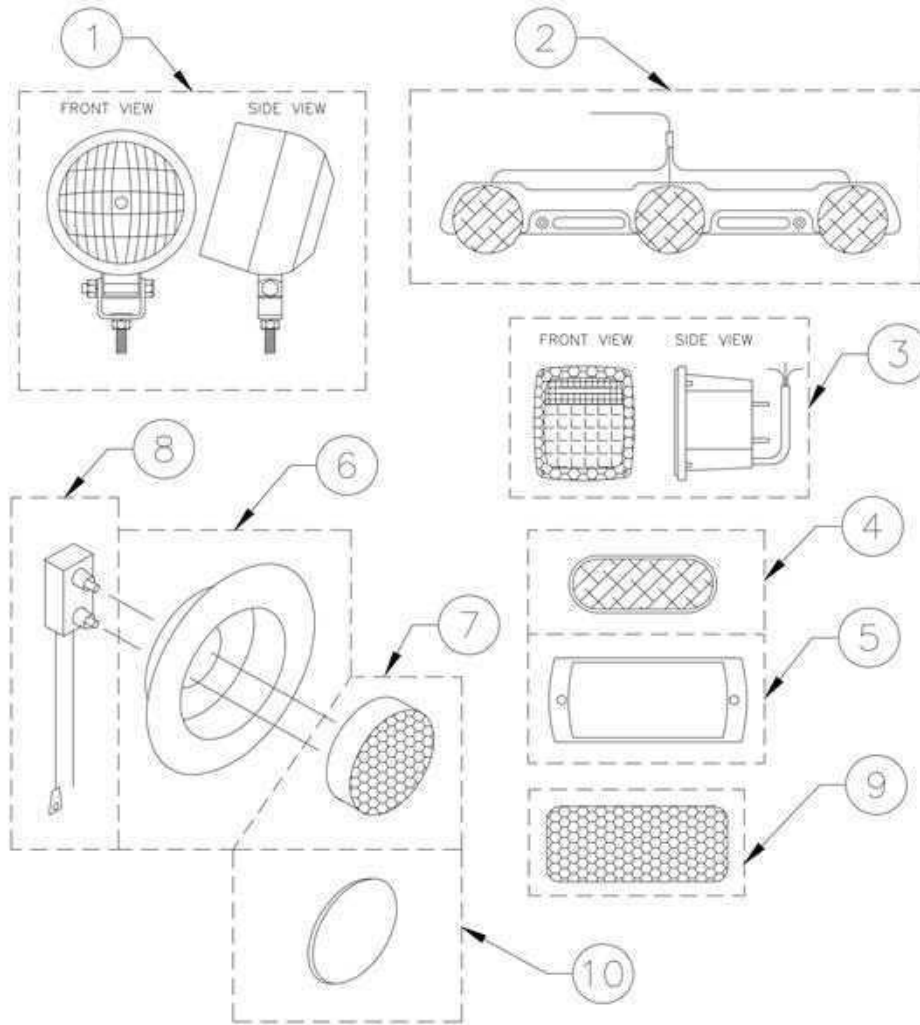
NPN - NO PART NUMBER

*1, *7, & *8 FOR MONARCH PUMP MODEL #628 ONLY.

*7 & 7 JOY STICK CONTROL INCLUDES PART #4404 (JOY STICK SWITCH).

15, 16, 17, 18 - NOT SHOWN

Lights

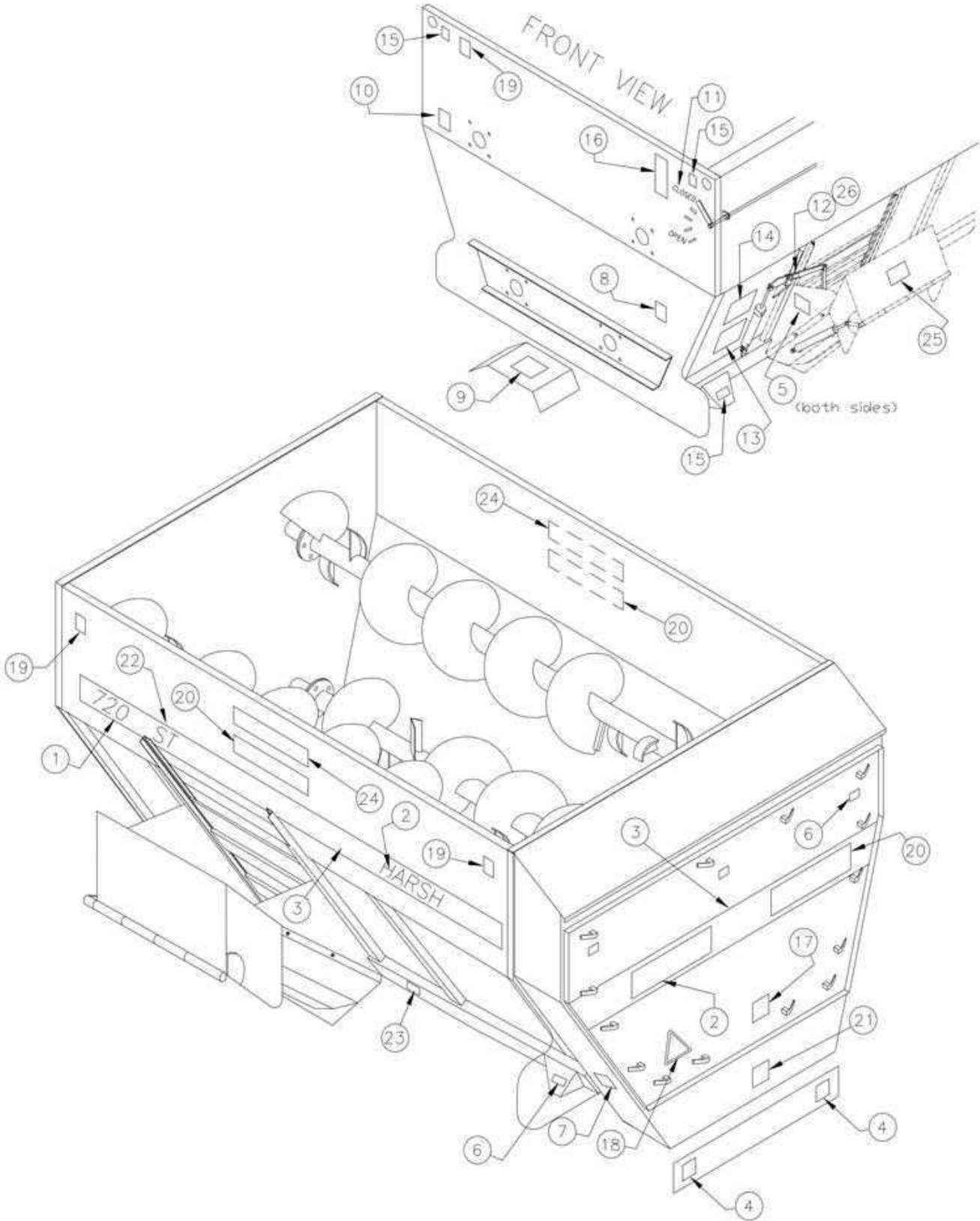


LIGHTS

ITEM	PART #	QTY	DESCRIPTION
1	102439	AR	BUNK LIGHT
2	100335	AR	TRIPLE IDENTIFICATION LIGHT
3	102244	AR	TAIL LIGHT, LEFT
3	102257	AR	TAIL LIGHT, RIGHT
4	102241	AR	CLEARANCE LIGHT, RED
4	102242	AR	CLEARANCE LIGHT, AMBER
5	102243	AR	CHROME GUARD, CLEARANCE LIGHT
6	102490	AR	GROMMET, CLEARANCE LIGHT (FOR 3" HOLE)
7	102493	AR	CLEARANCE LIGHT, RED (FOR GROMMET)
7	102492	AR	CLEARANCE LIGHT, AMBER (FOR GROMMET)
8	102491	AR	PLUG, CLEARANCE LIGHT (FOR GROMMET)
9	102361	AR	REFLECTOR, RED
9	102360	AR	REFLECTOR, YELLOW
10	17479	AR	STEEL PLUG (FOR GROMMET - W/O CLEARANCE LIGHT)

NOTE: AR - AS REQUIRED

Mixer Decals



Mixer Decals

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	102542	2	630 DECAL	18	102556	1	SLOW MOVING VEHICLE (TRAILER)
1	102543	2	720 DECAL	*19	102777	5	TUB GUARD DECAL
1	102544	2	810 DECAL	*20	102306	3	DECAL, HIGH ROUGHAGE
2	102549	3	HARSH, SIDE & REAR DOOR DECAL	21	102776	1	GEARBOX SPROCKET ROTATION
3	102546	38'	RED STRIPE, SIDE 630	22	102548	2	DECAL, WHITE, ST (STATIONARY)
3	102546	42'	RED STRIPE, SIDE 720	*23	102898	2	DECAL, HUTCHENS TORQUE REQ.
3	102546	46'	RED STRIPE, SIDE 810	24	102307	2	DECAL, SUPER DUTY
4	102097	2	NO LIFT DECAL (TRAILER)	25	103084	1	DECAL, DROP CHUTE DOOR
5	103085	2	DECAL, SIDE DISCHARGE	26	103083	1	DECAL, DISCHARGE DOOR ARM
6	102361	2	RED REFLECTOR (TRUCK)	*27	103086	12	DECAL, ROTATING DRIVELINE
6	102361	5	RED REFLECTOR (TRAILER, STATIONARY)	**	A9588	1	630 DECAL KIT (TRUCK)
7	102070	1	OIL BATH MAINTENANCE	**	A9589	1	630 DECAL KIT (TRAILER)
8	102874	1	DECAL, OFF-ROAD USE (TRAILER)	**	A9926	1	630 DECAL KIT (STATIONARY)
9	102358	1	DANGER, DRIVE LINE	**	A9590	1	720 DECAL KIT (TRUCK)
10	102107	1	DANGER, DRIVE LINE 540 RPM - 6 SPLINE	**	A9591	1	720 DECAL KIT (TRAILER)
10	102108	1	DANGER, D/L 1000 RPM - 21 SPLINE	**	A9927	1	720 DECAL KIT (STATIONARY)
10	102579	1	DANGER, D/L 1000 RPM - 20 SPLINE	**	A9592	1	810 DECAL KIT (TRUCK)
11	101992	1	DOOR MARKER, TRAILER	**	A9593	1	810 DECAL KIT (TRAILER)
12	101181	1	DOOR MARKER, TRUCK	**	A9928	1	810 DECAL KIT (STATIONARY)
13	102069	1	MAINTENANCE	**	A9963	1	810SD DECAL KIT (TRUCK)
14	102109	1	CAUTION, BEFORE WELDING	**	A9964	1	810SD DECAL KIT (TRAILER)
15	102360	2	ORANGE REFLECTOR (TRUCK)	**	A9965	1	810SD DECAL KIT (STATIONARY)
15	102360	4	ORANGE REFLECTOR (TRAILER, STATIONARY)	**	A9595	1	SAFETY DECAL KIT (MIXERS)
*16	102071	1	DANGER DO NOT ENTER	**	A9915	1	SAFETY DECAL KIT (STATIONARY)
17	102370	1	DO NOT OPERATE W/O SHIELD				

NOTE:

*16 INSTALL NEXT TO LADDER.

*19 TO BE INSTALLED ON MIXERS EQUIPPED WITH TUB GUARD OPTION (PG 133).

*20 HIGH ROUGHAGE DECAL IS FOR HAYBOX ONLY.

*22 - 720, 810, 810SD TANDEM TRAILERS ONLY.

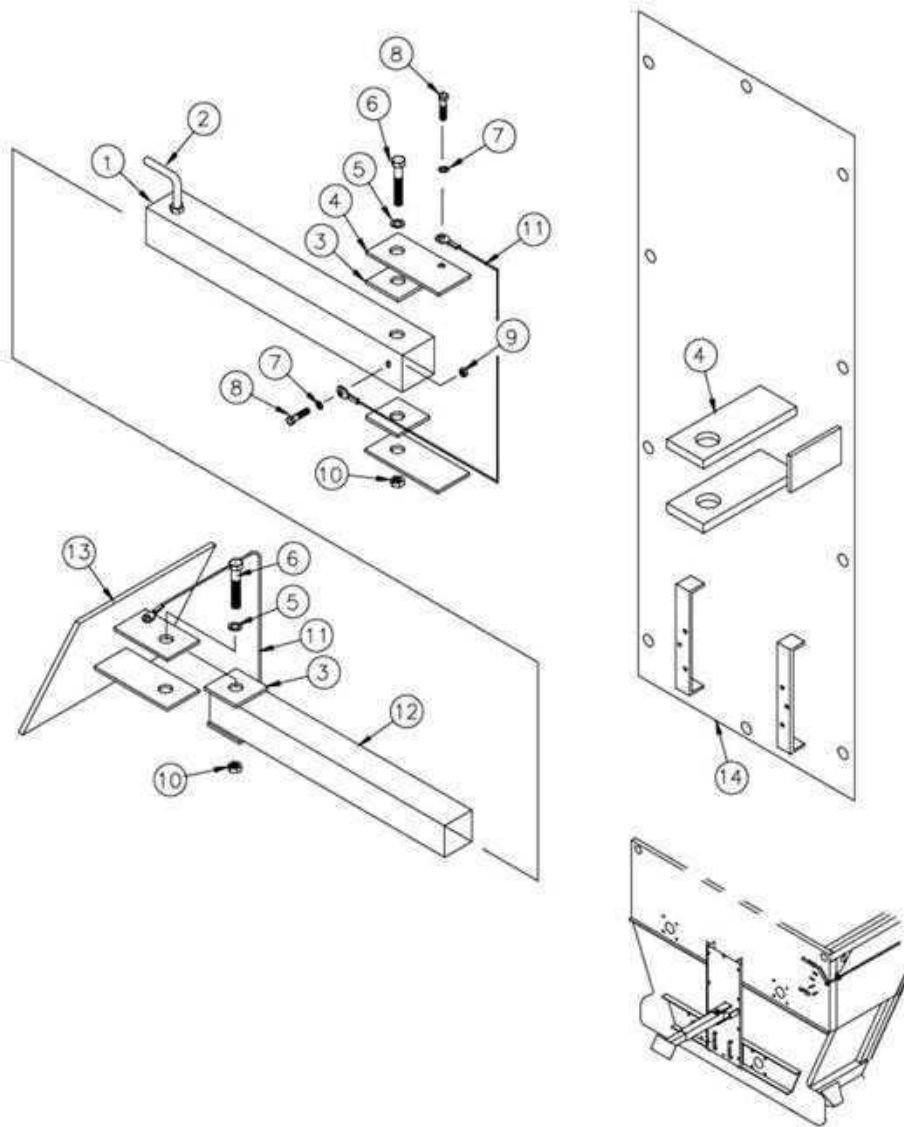
*26 APPLY IN VISIBLE LOCATION TO GTD COVER AND ALL SUBFRAME SUPPORTS (STATIONARY MIXERS ONLY).

**DECALS INCLUDED IN DECAL KITS ARE EQUAL TO DECALS ATTACHED TO MIXER AT THE TIME OF SHIPMENT.

DECALS NOT AVAILABLE SEPERATELY...PURCHASE BY KIT ONLY

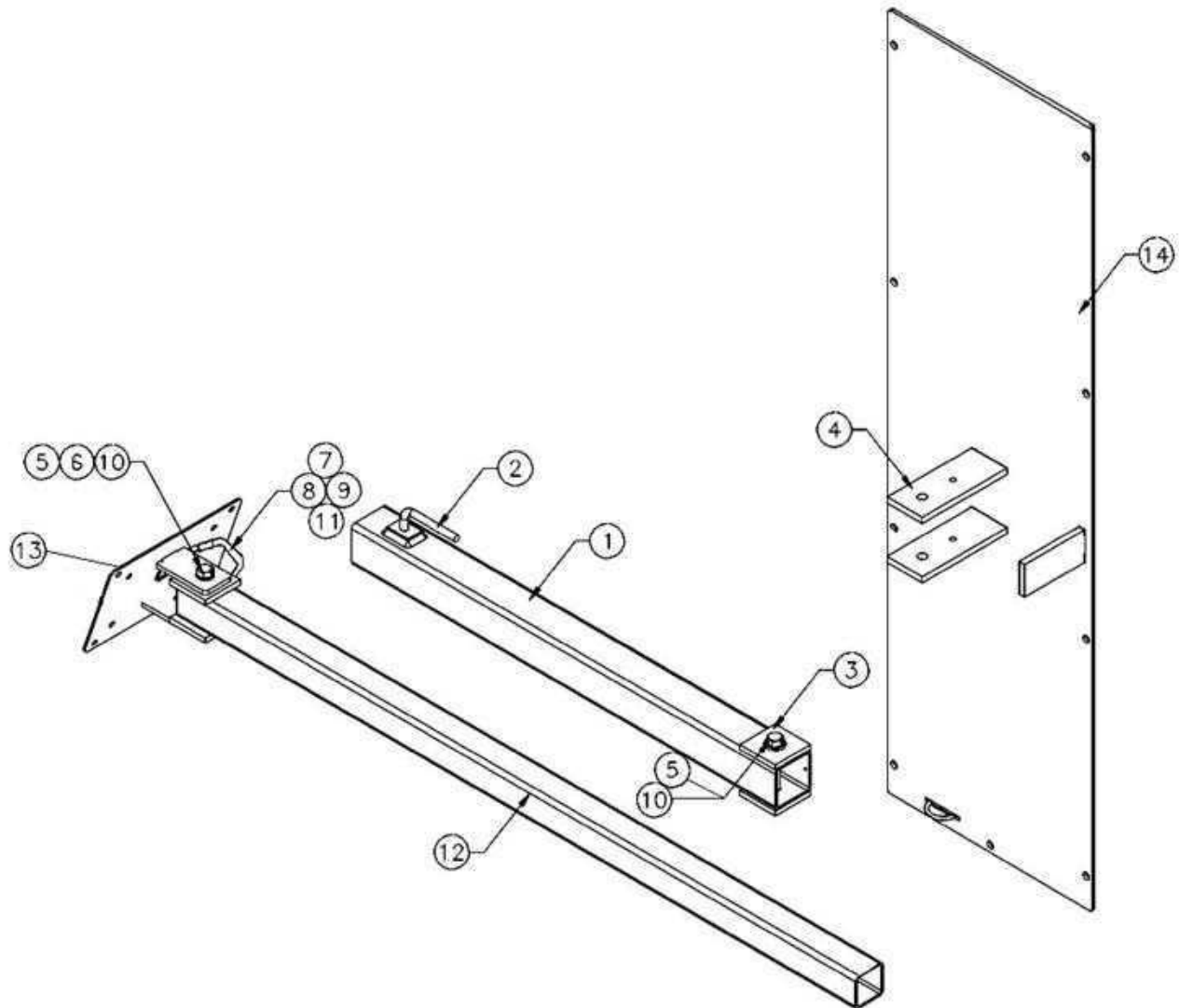
HARSH ENCOURAGES THE REPLACEMENT OF ALL SAFETY DECALS WHEN THEY BECOME UNREADABLE, DAMAGED, OR IF THE UNIT IS REPAINTED. IN ORDER TO ASSURE MIXERS ARE COMPLETELY REDECALED WITH ALL THE NECESSARY SAFETY DECALS, THEY ARE INCLUDED IN THE TRUCK AND TRAILER DECAL KITS. IF YOU DO NOT DESIRE TO PURCHASE THE COMPLETE MIXER DECAL KIT, YOU CAN PURCHASE ONLY THE SAFETY DECAL KIT WHICH WILL PROVIDE YOU WITH THE SAFETY AND OPERATION DECALS ONLY.

Swing Arm



QTY	ITEM #	PART #	DESCRIPTION	QTY	ITEM#	PART #	DESCRIPTION
1	1	A15320	INDICATOR MOUNT TUBE ASSEMBLY	4	9	100221	NUT, HEX 1/4-20 UNC GR5
1	2	101250	SCREW, HX HD CAP 3/8-16 X 1 GR5	2	10	300826C	NUT, HEX 1/2-13 UNC GR5
4	3	15318	INDICATOR FRICTION PAD, 2 1/2 SQ	2	11	A16362	GROUNDING STRAP ASSEMBLY
2	4	15319	INDICATOR MOUNT PLATE, 3/8 X 2 1/2 X 6 LG, 240T	1	12	15316	INDICATOR TUBE, EXTENSION, 2 X 2 X 48 LG
2	5	100272	WASHER, LOCK, 1/2	1	13	A16059	INDICATOR EXTENSION ASSEMBLY, J-STAR & OMNI
2	6	101811	SCREW, HX HD CAP, 1/2-13 UNC X 4 1/2 GR5	1	13	A15315	USE A16059, INDICATOR EXTENSION ASSEMBLY
4	7	100304	WASHER, LOCK, 1/4	1	14	A17067	TRAILER INDICATOR MOUNT PLATE ASSEMBLY
4	8	101819	SCREW, HX HD CAP, 1/4-20 UNC X 3/4 GR5				

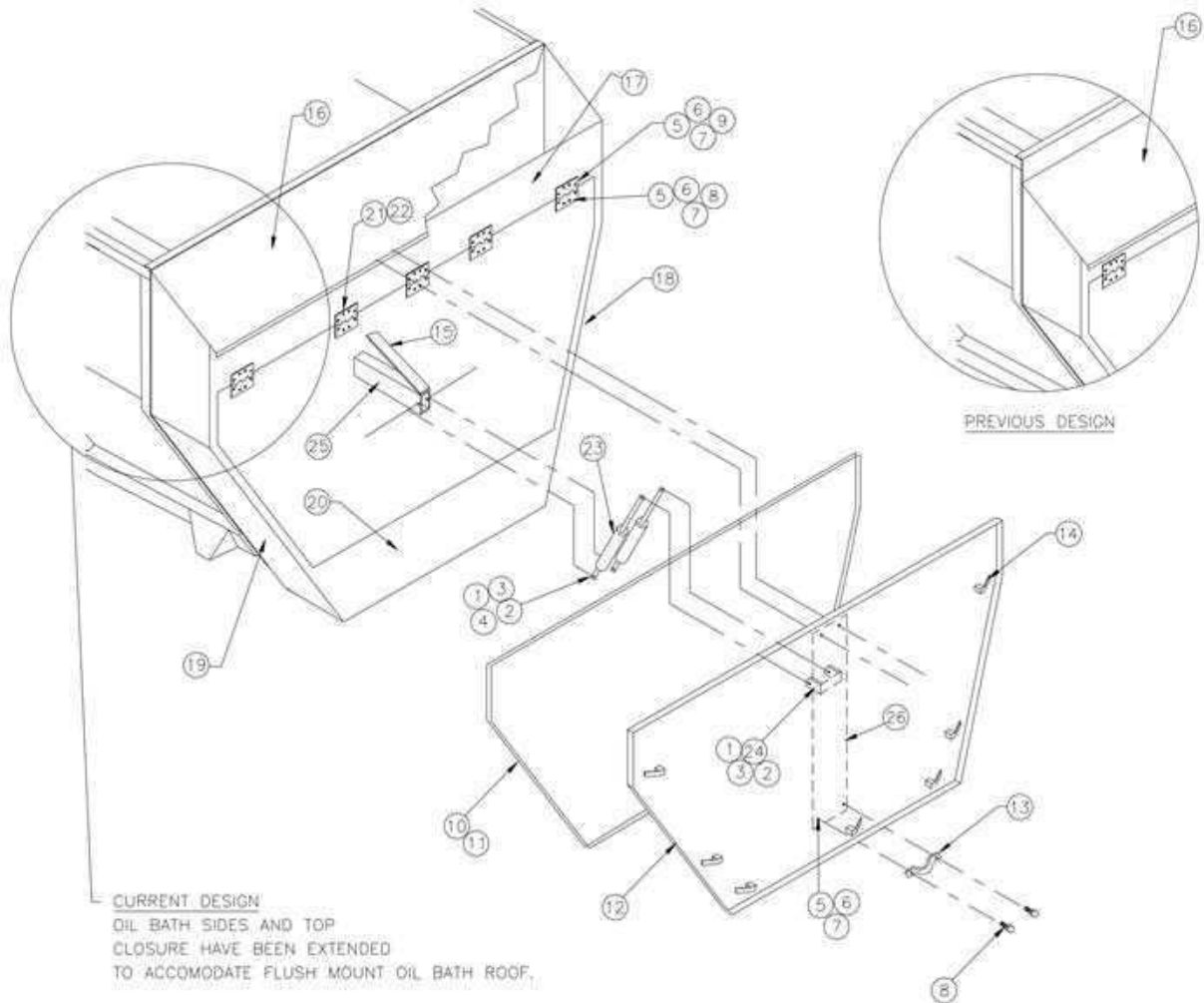
Swing Arm



CURRENT VERSION

QTY	ITEM #	PART #	DESCRIPTION	QTY	ITEM#	PART #	DESCRIPTION
1	1	A15320	INDICATOR MOUNT TUBE ASSEMBLY	4	8	101819	SCREW, HX HD CAP, 1/4-20 UNC X 3/4 GR5
1	2	101250	SET SCREW, HANDLE 3/8-16 UNC	4	9	100221	NUT, HEX 1/4-20 UNC GR5
2	3	15318	INDICATOR FRICTION PAD, 2 1/2 SQ	2	10	300826C	NUT, HEX 1/2-13 UNC GR5
2	4	15319	INDICATOR MOUNT PLATE, 3/8 X 2 1/2 X 6 LG, 240T	2	11	A16362	GROUNDING STRAP ASSEMBLY
2	5	100272	WASHER, LOCK, 1/2	1	12	15316	INDICATOR TUBE, EXTENSION, 2 X 2 X 48 LG
1	6	101811	SCREW, HX HD CAP, 1/2-13 UNC X 4 1/2 GR5	1	13	A16059	INDICATOR EXTENSION ASSEMBLY, J-STAR & OMNI
4	7	100304	WASHER, LOCK, 1/4	1	14	A17067	TRAILER INDICATOR MOUNT PLATE ASSEMBLY

Oil Bath



REAR OIL BATH & DOORS

ITEM	PART #	QTY	DESCRIPTION	ITEM	PART #	QTY	DESCRIPTION
1	100240	4	SCREW, HEX HD CAP	16	18956	1	OIL BATH ROOF
2	101985	4	NUT, LOCK	*16	16915	1	OIL BATH ROOF
3	100300	12	WASHER, FLAT	17	18955	1	OIL BATH TOP CLOSURE
4	100254	2	NUT, HEX	*17	16916	1	OIL BATH TOP CLOSURE
5	100221	42	NUT	18	18953	1	OIL BATH SIDE, RIGHT
6	100304	42	LOCK WASHER	*18	16913	1	OIL BATH SIDE, RIGHT
7	100443	42	WASHER, FLAT	19	18954	1	OIL BATH SIDE, LEFT
8	100323	22	SCREW	*19	16914	1	OIL BATH SIDE, LEFT
9	102781	20	SCREW	20	18388	1	OIL BATH BOTTOM CLOSURE
*10	102481	8'	SEAL, FLEXIBLE DOOR 1/4	*21	102446	5	HINGE
*11	102477	15'	SEAL, FLEXIBLE DOOR 1/8	*22	17026	5	HINGE BACK PLATE
*12	18386	1	OIL BATH DOOR	23	102451	2	STRUT, GAS CHARGED SUPPORT
13	102779	1	HANDLE, OIL BATH DOOR	24	A18157	1	DUAL STRUT MOUNT ASS'Y
14	101305	7	LATCH	25	18166	1	TUBE, RECT. STRUT MOUNT
15	18236	1	BAR, STRUT MOUNT BRACE	26	18234	1	CHANNEL, FORMED DOOR BRACE

NOTE: *10 - TO BE USED ON TOP OF DOOR OPENING.

*11 - TO BE USED ON SIDES AND BOTTOM OF DOOR OPENING.

*12 - MEASURE EXISTING DOOR BEFORE ORDERING REPLACEMENT.

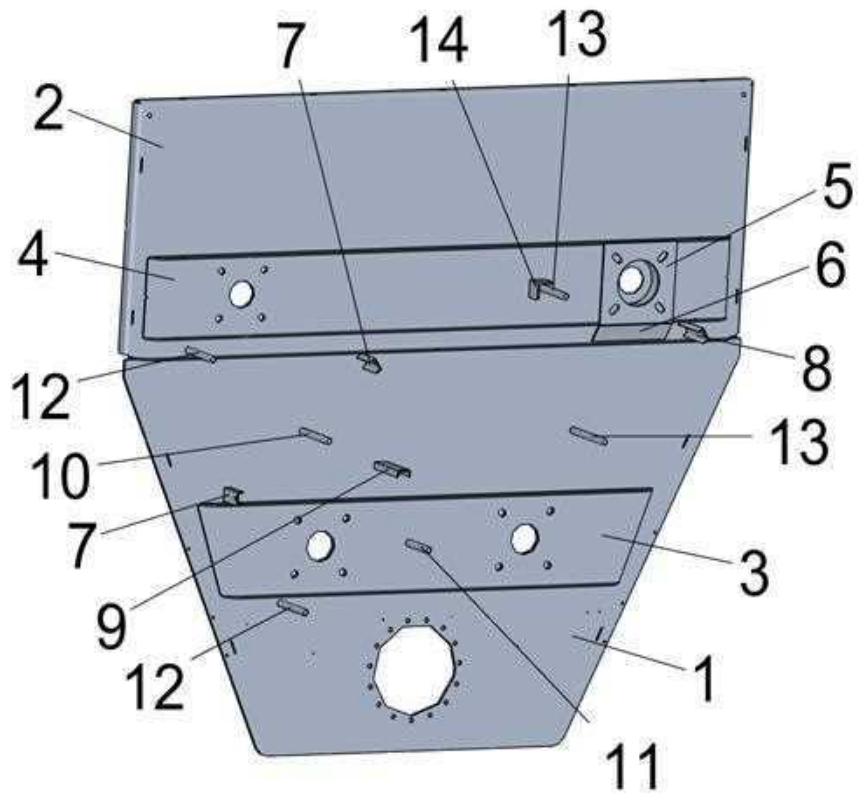
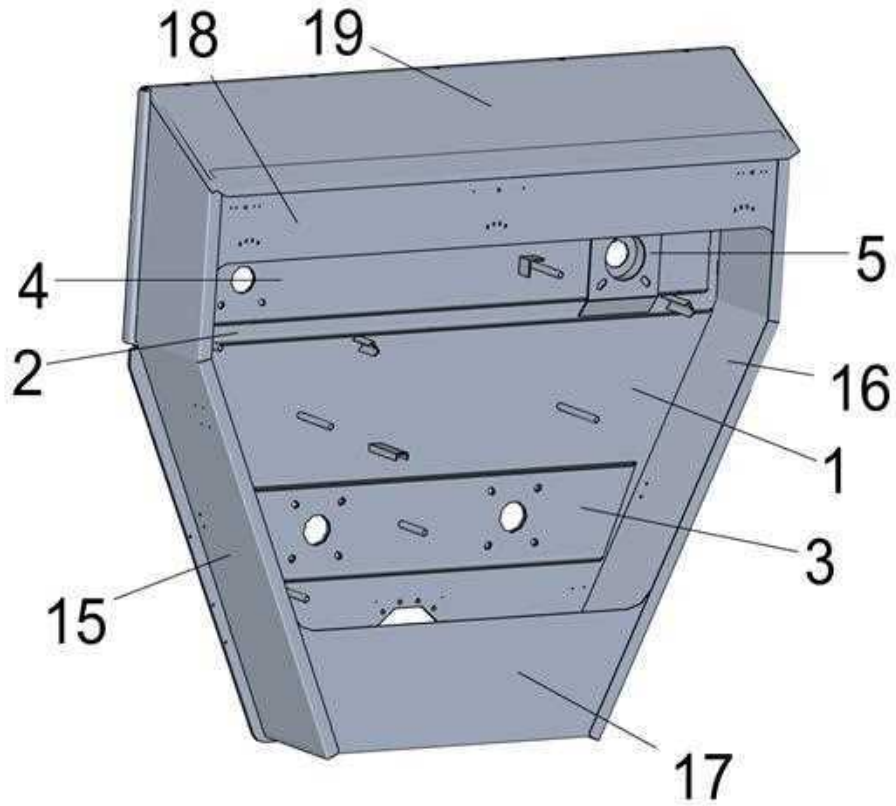
*21, *22 - PLEASE VERIFY NUMBER OF HINGES (3), (4), OR (5).

16, 17, 18, 19 - USED ON ALL UNITS S/N (63HB9000, 72HB9000, 81HB9000) AND ABOVE.

*16, *17, *18, *19 - PREVIOUS DESIGN, USED ON UNITS UP TO S/N (63HB8000, 72HB8000, 81HB8000). CHECK MIXER IF S/N IS BETWEEN (63HB8000, 72HB8000, 81HB8000) AND (63HB9000, 72HB9000, 81HB9000).

Oil Bath

OIL BATH ASSEMBLY, 700'S - A19332



Oil Bath

OIL BATH ASSEMBLY, 700'S - A19332

#	Part Number	Title	Quantity
1	19321	LOWER REAR END PLATE (1/2" THICK)	1
2	19729	SHEET, REAR END TOP 700'S	1
3	19561	CHANNEL, LOWER REAR BRG - 810 & 18Z30 SD	1
4	17752	CHANNEL, UPPER REAR BEARING- 700'S	1
5	A16803	BEARING OFFSET ASSY	1
6	21645	BRACE, BEARING OFFSET (700'S)	1
7	14998	CHANNEL, IDLER MNT 1 X 2 X 4 LG	2
8	14997	CHANNEL, IDLER MNT 1 X 2 X 6	1
9	14996	CHANNEL, IDLER MNT 3/16 X 2 X 1 X 7	1
10	15011	PIN, IDLER 1 OD X 8 LG	1
11	15009	PIN, IDLER 1 OD X 6 LG	1
12	16066	PIN, IDLER 1 OD X 7 1/2 LG	2
13	18258	PIN, OIL WIPER Ø1 X 9 1/2 LG	2
14	15026	ANGLE, PIN BRACE 1/4 X 2 1/2 X 2 1/2 LG	1
15	19324	OIL BATH SIDE 800'S (LEFT)	1
16	19323	OIL BATH SIDE 800'S (RIGHT)	1
17	19322	CLOSURE, OIL BATH BOTTOM 800'S	1
18	18955	CLOSURE, OIL BATH TOP 700'S	1
19	18956	OIL BATH ROOF 700'S	1
20	101988	FLANGE, WELD IN 2 IN. I.D.	1

NOTE:

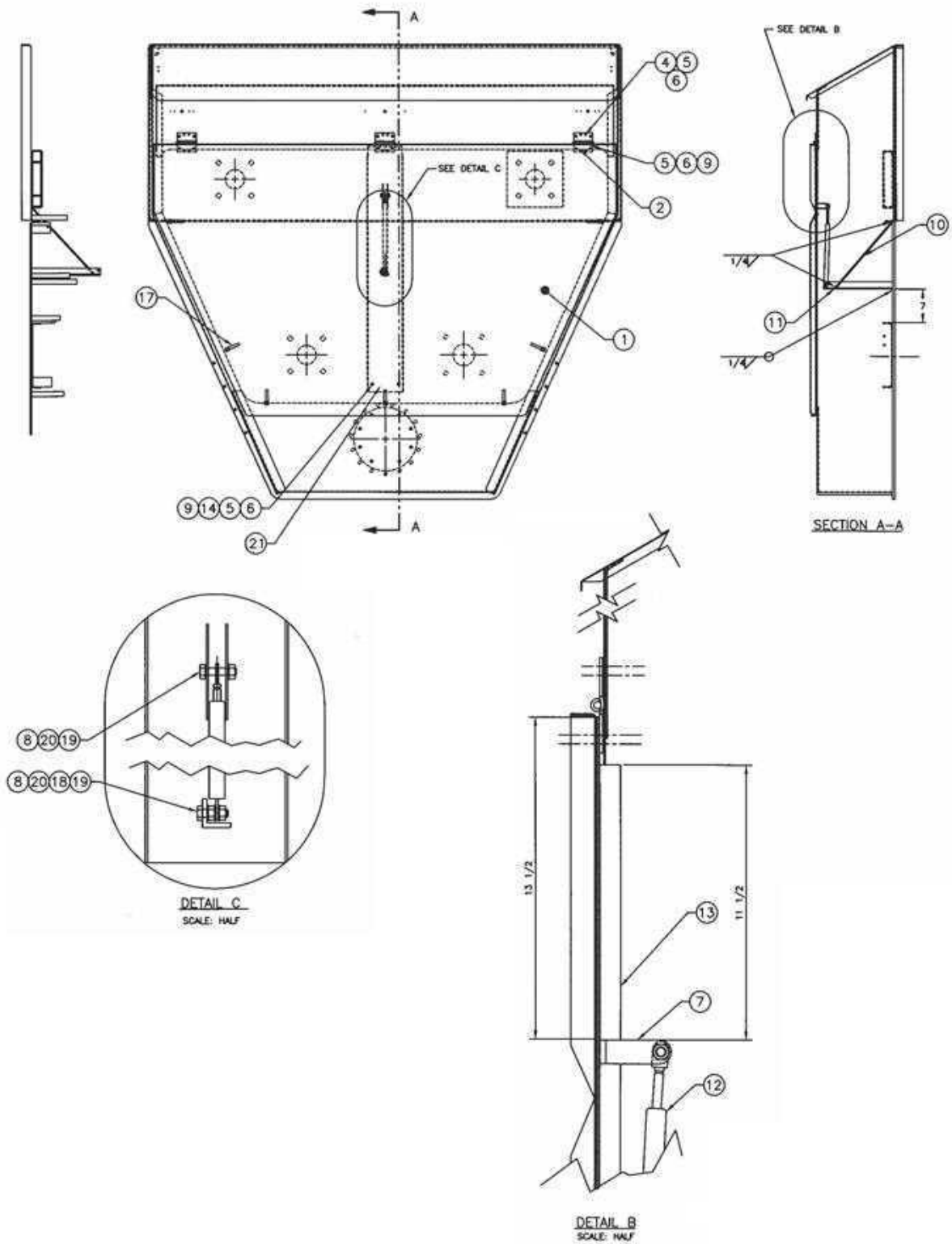
The drawing and parts list shown is for an oil bath used on left hand 700's series mixers. The oil bath used on right hand 700's series mixers has differing sheet metal parts. For more part information, contact your local Harsh International dealer or our front desk at (970) 454-2291.

Reference number:

OIL BATH ASSEMBLY 700'S (RH) - A19999

Oil Bath Door

OIL BATH DOOR GROUP 810SD - A7918



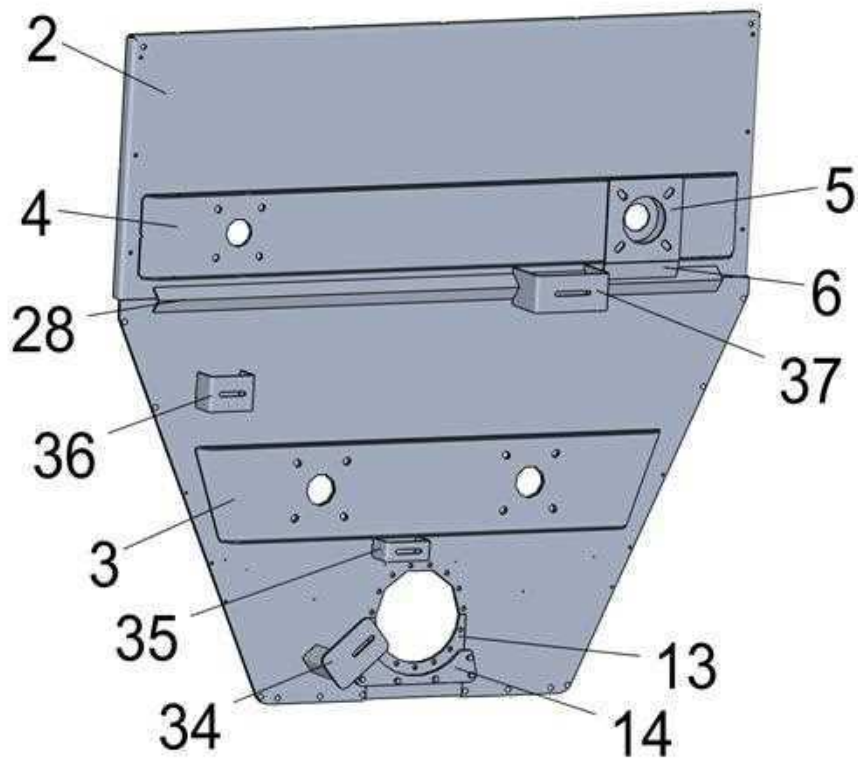
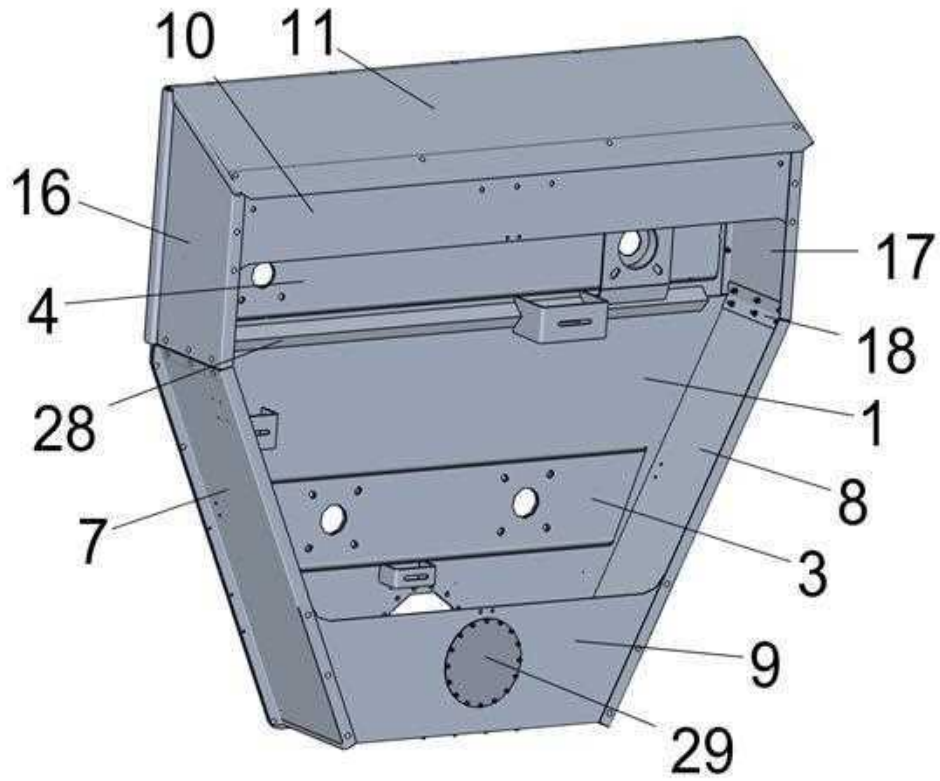
Oil Bath Door

OIL BATH DOOR GROUP 810SD - A7918

	1	21	102779	HANDLE, OIL BATH DOOR
	4	20	100300	WASHER, FLAT 3/8
	2	19	101985	NUT, LOCK 3/8-16 UNC
	2	18	100254	NUT, HX 3/8-16 UNC
	7	17	101305	LATCH
		16		ITEM NUMBER NOT USED
△	23'	15	102477	SEAL, FLEXIBLE DOOR 1/8
	2	14	100443	WASHER, FLAT 1/4
	1	13	18389	CHANNEL, FORMED DOOR BRACE 700's
	1	12	102451	STRUT, GAS CHARGED SUPPORT
	1	11	17962	ANGLE, STRUT MOUNT 1 1/2x1 1/2x14 1/2
	1	10	18236	BAR, STRUT MOUNT BRACE
	2	9	100323	SCREW, HEX HD.CAP 1/4-20x1"LG.
	2	8	100240	SCREW, HEX HD CAP 3/8-16 x 1 3/4 GR 5
	2	7	17926	BAR, CLEVIS 1/4x1x2 3/4
	26	6	100221	NUT, HEX 1/4-20
	26	5	100304	WASHER, LOCK 1/4
	24	4	102781	SCREW,HEX SCKT FLAT HD 1/4-20 UNCx1 1/4
	-	3	-	ITEM NUMBER NOT USED
	3	2	102446	HINGE, 4X4
	1	1	19319	OIL BATH DOOR 810 S.D.
			A7918	OIL BATH DOOR GROUP 810 S.D.
	QTY	ITEM	PART NO	DESCRIPTION
MATL	SIZE	UNIT	MATL NO	MATERIAL DESCRIPTION

Chain Closure

CHAIN CLOSURE ASSEMBLY, 700TK - A24006



Chain Closure

CHAIN CLOSURE ASSEMBLY, 700TK - A24006

#	Part Number	Title	Quantity
1	24008	SHEET, REAR END BOTTOM, 700TK	1
2	24007	SHEET, REAR END, TOP, 700TK	1
3	24010	CHANNEL, LOWER REAR BEARING, 700TK	1
4	24009	CHANNEL, UPPER REAR BEARING, 700TK	1
5	A16803	BEARING OFFSET ASSY	1
6	24011	BRACE, BEARING OFFSET, 700TK	1
7	24012	COVER, LEFT BOTTOM, CHAIN CLOSURE, 700TK	1
8	24013	COVER, RIGHT BOTTOM, CHAIN CLOSURE, 700TK	1
9	24014	COVER, FRONT, BOTTOM, CHAIN CLOSURE, 700TK	1
10	24015	COVER, FRONT, TOP, CHAIN CLOSURE, 700TK	1
11	24016	COVER, ROOF, CHAIN CLOSURE, 700TK	1
12	101988	FLANGE, WELD IN 2 IN. I.D.	1
13	23397	PLATE, GEARBOX SLOT CLOSURE 8-18	1
14	23398	SUPPORT, GEARBOX SLOT PLATE 8-18	2
15	23403	PLATE, GEARBOX SLOT COVER	1
16	24017	COVER, LEFT TOP, CHAIN CLOSURE, 700TK	1
17	24018	COVER, RIGHT TOP, CHAIN CLOSURE, 700TK	1
18	24019	SPLICE PLATE, CHAIN CLOSURE, 700TK	2
19	104164	SCREW, 3/8-16 X 1 1/4 CARRIAGE	12
20	100271	WASHER, LOCK 3/8"	59
21	100254	NUT, HEX 3/8 -16 UNC GR 5	59
22	101836	SCREW, HEX HEAD CAP, 1/2-13 X 2 1/4 GR 5	6
23	100272	WASHER, 1/2 LOCK	6
24	103795	NUT, HEX 1/2-13	6
25	100300	WASHER, FLAT 3/8" USS	33
26	101846	SCREW, HX HD CAP 3/8 - 16 X 1	8
27	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	39

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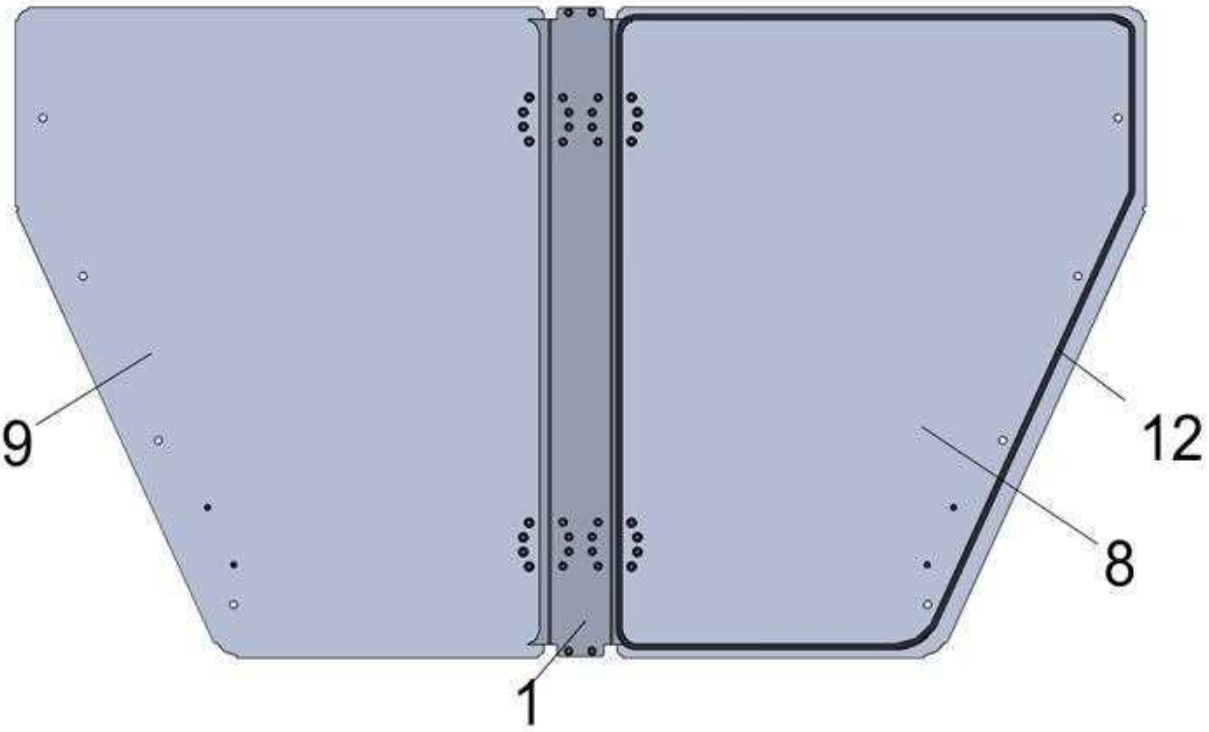
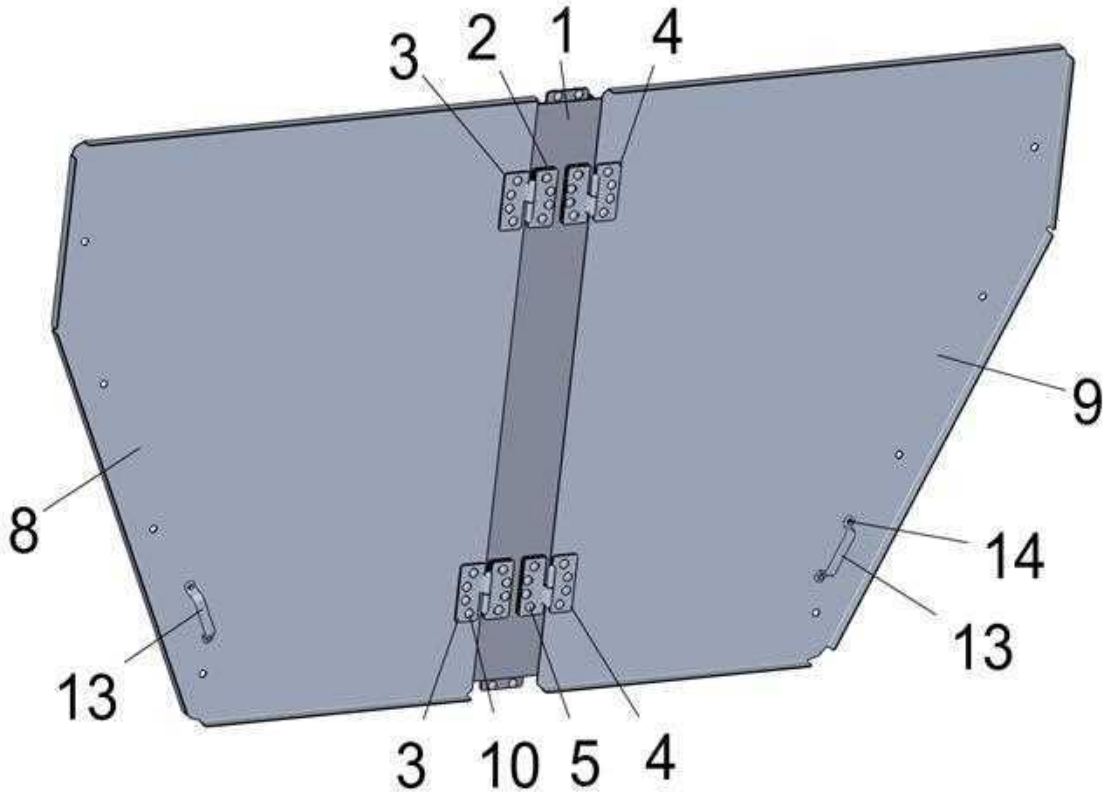
Chain Closure

CHAIN CLOSURE ASSEMBLY, 700TK - A24006

#	Part Number	Title	Quantity
28	23396	ANGLE, REAR END STIFFENER 8-18	1
29	22828	COVER, ACCESS HOLE 8-18 / 9-20	1
30	101134	SCREW, HEX HD CAP 5/16-18 UNC X 3/4 GR.5	16
31	100170	WASHER, LOCK 5/16	16
32	100297	NUT, HEX 5/16	16
33	101890	DEE RING, 3/4	10
34	A23675	TENSIONER ASS'Y, 8-18 / 9-20	1
35	23400	TENSIONER, LOWER RIGHT CHAIN 8-18	1
36	23401	TENSIONER, UPPER LEFT CHAIN 8-18	1
37	24029	TENSIONER SUPPORT, UPPER RIGHT, 700TK	1

Chain Closure Door

CHAIN CLOSURE DOOR GROUP, 700TK, NEW STYLE - A8471



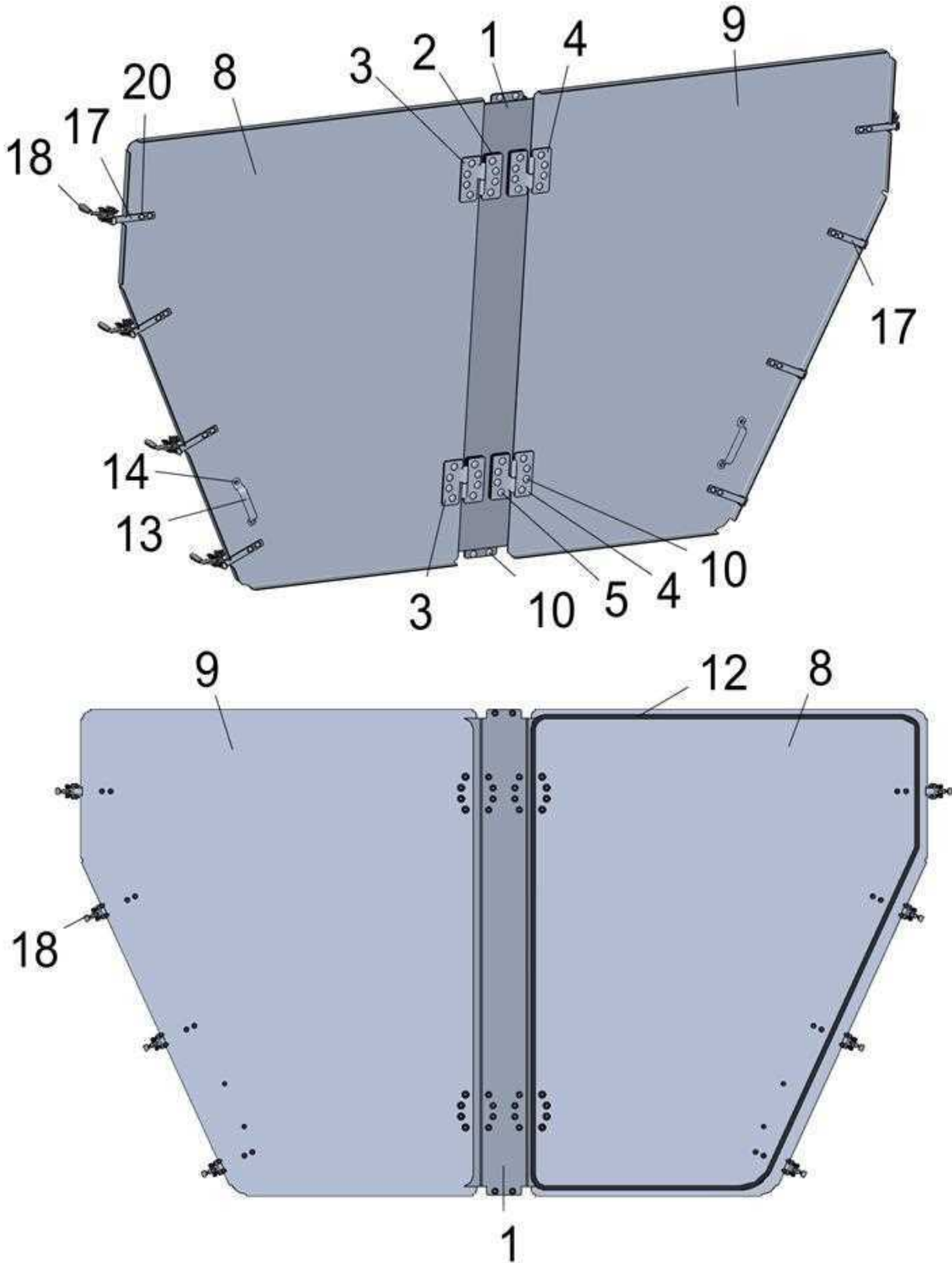
Chain Closure Door

CHAIN CLOSURE DOOR GROUP, 700TK, NEW STYLE - A8471

#	Part Number	Title	Quantity
1	A24020	DOOR CHANNEL ASS'Y, 700TK	1
2	23432	PLATE, DOOR HINGE SPACER	8
3	A23435	HINGE ASS'Y, REAR SHEET DOOR (LEFT)	2
4	A23436	HINGE ASS'Y, REAR SHEET DOOR (RIGHT)	2
5	102621	SCREW, CARRIAGE HEAD 3/8-16 UNC X 1 1/2 GR5	16
6	100271	WASHER, LOCK 3/8"	36
7	100254	NUT, HEX 3/8 -16 UNC GR 5	36
8	24023	DOOR, LEFT, CHAIN CLOSURE, 700TK	1
9	24024	DOOR, RIGHT, CHAIN CLOSURE, 700TK	1
10	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	20
11	100300	WASHER, FLAT 3/8" USS	16
12	102477	FLEXIBLE DOOR SEAL	1
13	102779	HANDLE, OIL BATH DOOR	2
14	101474	SCREW, HX HD CAP 1/4-20 X 5/8	4
15	100304	WASHER, LOCK 1/4 CADMIUM PLATED	4
16	100221	NUT, HEX, 1/4-20 UNC GR 5	4

Chain Closure Door

CHAIN CLOSURE DOOR GROUP, 700'S (PULL LATCHES) - A8590

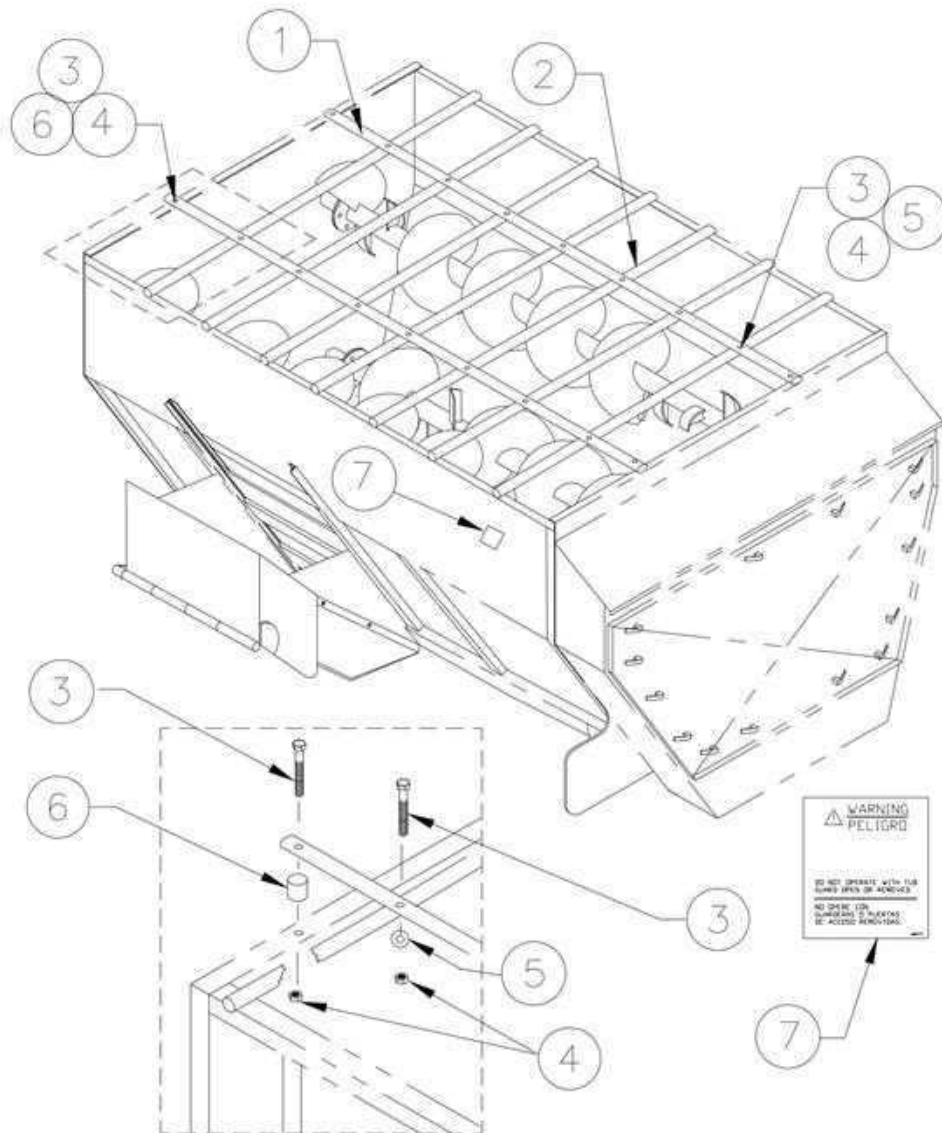


Chain Closure Door

CHAIN CLOSURE DOOR GROUP, 700'S (PULL LATCHES) - A8590

#	Part Number	Title	Quantity
1	A24020	DOOR CHANNEL ASS'Y, 700TK	1
2	23432	PLATE, DOOR HINGE SPACER	8
3	A23435	HINGE ASS'Y, REAR SHEET DOOR (LEFT)	2
4	A23436	HINGE ASS'Y, REAR SHEET DOOR (RIGHT)	2
5	102621	SCREW, CARRIAGE HEAD 3/8-16 UNC X 1 1/2 GR5	16
6	100271	WASHER, LOCK 3/8"	36
7	100254	NUT, HEX 3/8 -16 UNC GR 5	36
8	24934	DOOR, LEFT - CHAIN CLOSURE, 700'S (PULL LATCHES)	1
9	24935	DOOR, RIGHT - CHAIN CLOSURE, 700'S (PULL LATCHES)	1
10	102096	SCREW, CARRIAGE HD 3/8-16 X 1 GR 5	20
11	100300	WASHER, FLAT 3/8" USS	16
12	102477	FLEXIBLE DOOR SEAL	1
13	102779	HANDLE, OIL BATH DOOR	2
14	101474	SCREW, HX HD CAP 1/4-20 X 5/8	4
15	100304	WASHER, LOCK 1/4 CADMIUM PLATED	36
16	100221	NUT, HEX, 1/4-20 UNC GR 5	36
17	24923	LATCH HOOK, CHAIN CLOSURE DOOR	8
18	104889	LATCH, CHAIN CLOSURE DOOR	8
19	101819	SCREW, HX HD CAP 1/4-20 UNC X 3/4	32
20	101965	SCREW, CARRIAGE HD 5/16-18 X 3/4	16
21	100170	WASHER, LOCK 5/16	16
22	100297	NUT, HEX 5/16	16

Tub Guard



TUB GUARD

ITEM	PART #	QTY	DESCRIPTION
*	A17463	1	TUB GUARD ASSEMBLY (630)
*	A17464	1	TUB GUARD ASSEMBLY (720)
*	A17465	1	TUB GUARD ASSEMBLY (810)
1	17254	2	PIPE, TUB GUARD 168" LG. (630)
1	17255	2	PIPE, TUB GUARD 192" LG. (720)
1	17473	2	PIPE, TUB GUARD 216" LG. (810)
2	17472	9	PIPE, TUB GUARD 99 1/2" LG. (630)
2	17472	11	PIPE, TUB GUARD 99 1/2" LG. (720)
2	17472	12	PIPE, TUB GUARD 99 1/2" LG. (810)
3	102127	22	SCREW, HEX HEAD CAP (630)

ITEM	PART #	QTY	DESCRIPTION
3	102127	26	SCREW, HEX HD CAP (720)
3	102127	28	SCREW, HEX HD CAP (810)
4	102574	22	NUT, HEX NY-LOCK (630)
4	102574	26	NUT, HEX NY-LOCK (720)
4	102574	28	NUT, HEX NY-LOCK (810)
5	100713	22	WASHER, FLAT (630)
5	100713	26	WASHER, FLAT (720)
5	100713	28	WASHER, FLAT (810)
6	17256	4	PIPE, GUARD SPACER 3/4 LG.
*7	102777	4	DECAL, TUB GUARD

NOTE: *TUB GUARD ASSEMBLIES INCLUDE ALL PARTS SHOWN.
*7 INSTALL NEXT TO LADDER.

