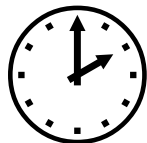
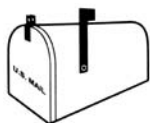


Air Reel CRARY

PARTS MANUAL

CIH
1010, 1020

HOW TO REACH US



WWW.CRARY.COM

ADDRESS	HOURS	TELEPHONE FAX NUMBER	E-MAIL INTERNET
Crary Industries 237 12th St. NW P.O. Box 849 West Fargo, ND 58078-0849	Mon. - Fri. 8 A.M to 5 P.M. Central Time	For Parts and Service: 1-800-247-7335 Fax: 1-701-282-9522	For Service: serv@crary.com Visit us on the web @ www.terramarc.com

Please Send us your Warranty Card

Please take time to fill in the information requested on the card. When you send in the completed card to us, we register your Air Reel and start coverage under our limited warranty.

Two serial number stickers are included with each Air Reel. The decals are located on the Air Reel manifold. One sticker is to be placed on the warranty registration card and mailed back to Crary Industries. The second sticker is to be placed in the owner's manual for future reference.

BUSINESS REPLY MAIL
FIRST-CLASS MAIL PERMIT NO. 1508 WEST FARGO ND
POSTAGE WILL BE PAID BY ADDRESSEE

CRARY COMPANY
 PO BOX 849
 WEST FARGO ND 58078-9973

NO POSTAGE
 NECESSARY
 IF MAILED
 IN THE
 UNITED STATES

Limited Warranty Registration
PLEASE PRINT OR TYPE

Name	Model Number
Street Address	Serial Number
City, State, Zip	Dealership Name
Telephone Number	Street Address
PRODUCT Finger Air Reel <input type="checkbox"/> Big Top <input type="checkbox"/> Cyclone (Chaff Spreader) <input type="checkbox"/> HYDRA-Stinger <input type="checkbox"/> Levelling Auger <input type="checkbox"/>	City, State, Zip
Combine Information Header Width: _____ Header Year: _____	Telephone Number
<input type="checkbox"/> John Deere <input type="checkbox"/> CaseIH <input type="checkbox"/> New Holland <input type="checkbox"/> AGCO	Purchase Date: ____ \ ____ \ ____

Your new Crary Ag Product is covered by a limited warranty. To initiate the warranty, this form **MUST** be completed and returned to **CRARY Co.** within 10 days of purchase.

Part # 12644

PARTS ORDERING INFORMATION

For service assistance or parts, contact your nearest authorized Cray dealer. Your nearest authorized Cray dealer will need to know the serial number of your Air Reel to provide the most efficient service. See below for information on how to identify and record the serial number for your Air Reel.

ILLUSTRATION AND TEXT

The arrangement of this parts catalog is for easy identification of the Air Reel parts. All parts are illustrated in either assembled or exploded views. All illustrations are located on the left hand page with the associated parts information (text) on the right. Except for some common hardware, all parts are identified with an item number which corresponds to the "Item" column on the parts information page. The text pages list the reference number, part number, part description and the quantity required.

REPLACEMENT PARTS

Only genuine Cray replacement parts should be used to repair the Air Reel. Cray replacement parts are available from your Cray Dealer. To obtain prompt, efficient service, remember to give the dealer the correct part description and serial number of the Air Reel.

When ordering parts for your unit provide the following:

1. The SERIAL NUMBER of your Air Reel.
2. The PART NUMBER of the part.
3. The PART DESCRIPTION.
4. The QUANTITY needed.

 WARNING
We urge using only genuine replacement parts, which meet all the latest requirements. Replacement parts manufactured by others could present safety hazards, even though they may fit on this unit.

SERIAL NUMBER LOCATION

Always give your authorized Cray dealer the serial number of your Air Reel when ordering parts, requesting service, or any other information. Please record the serial number in the space provided below and on the warranty and registration card.

Serial Number _____



Fig # 1 Serial number location

MANUFACTURED BY CRAY INDUSTRIES WEST FARGO, NORTH DAKOTA 58078 U.S.A. SERIAL NUMBER <input type="text" value="XXXXXX"/> MANUFACTURED IN U.S.A.

Fig # 2 Serial # decal

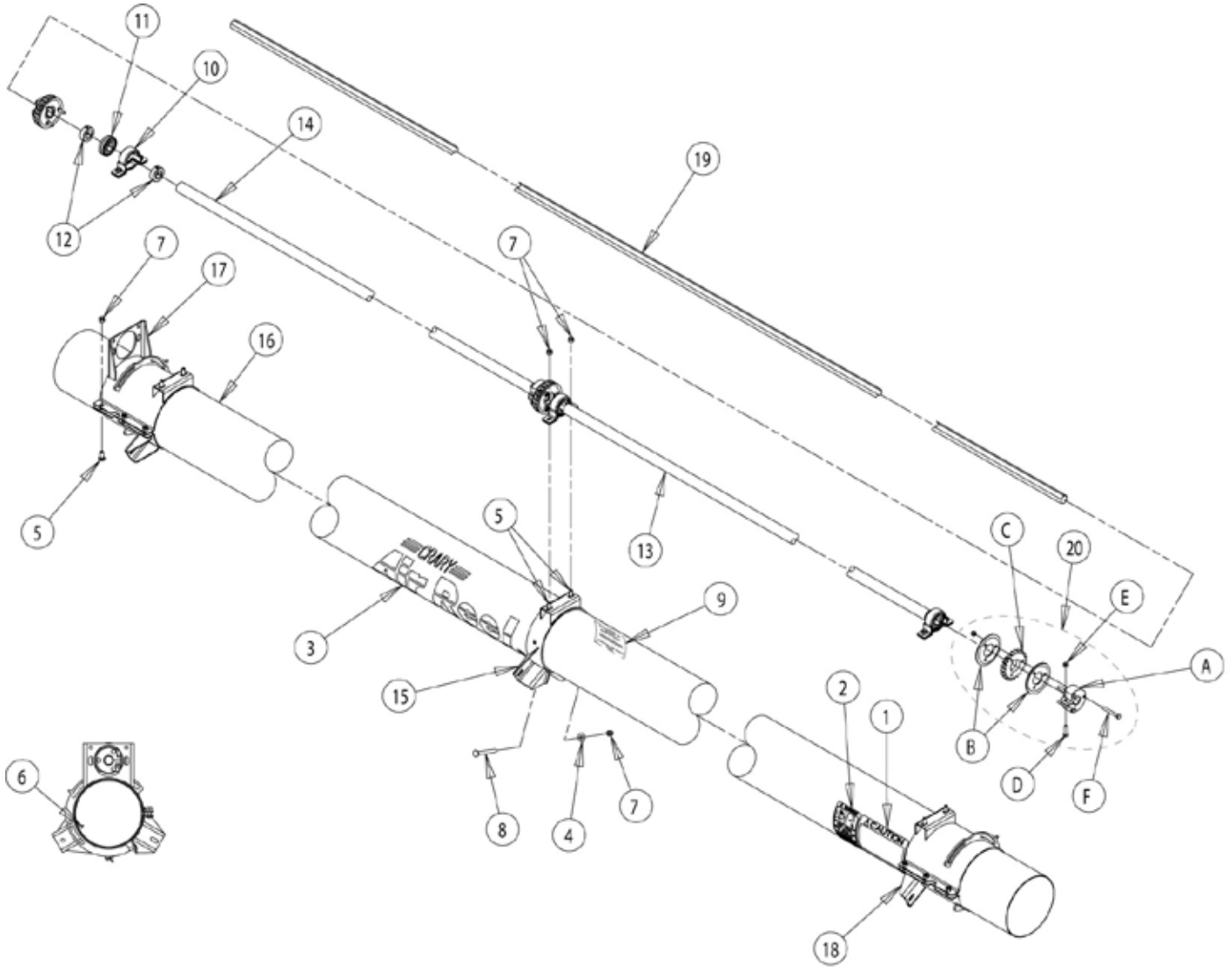
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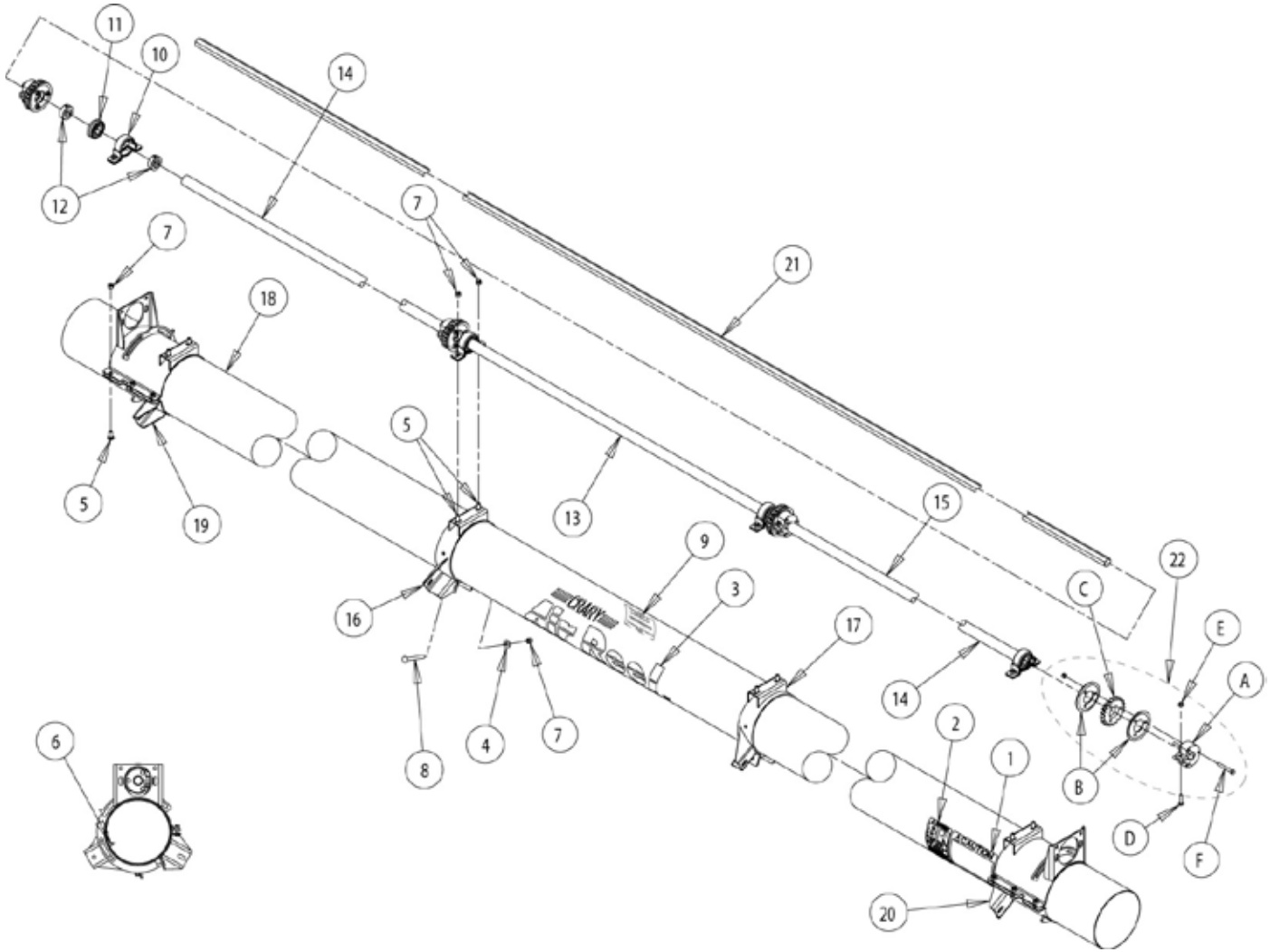


Parts Catalog Air Reel

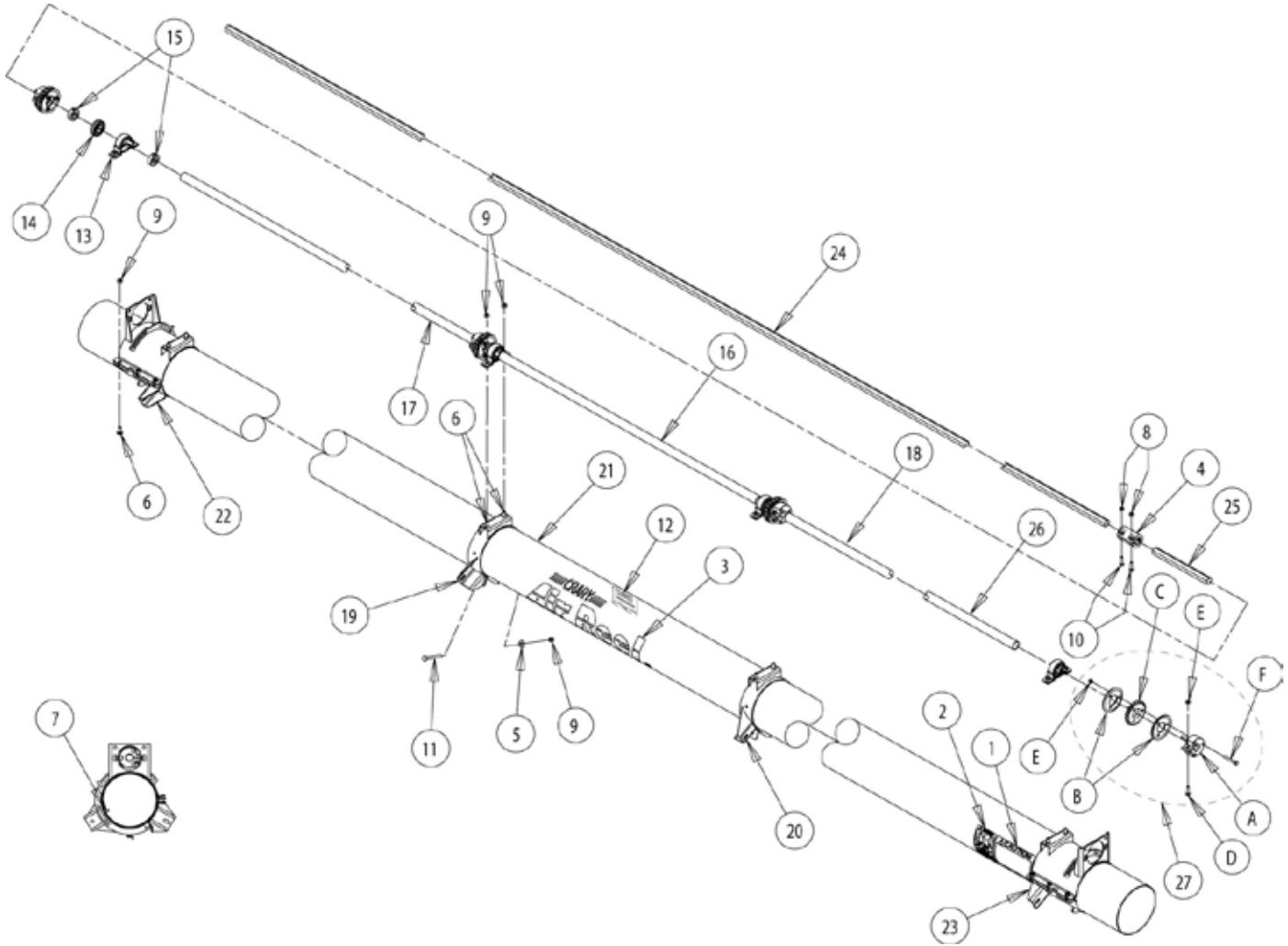
Case IH Headers 1010, 1020



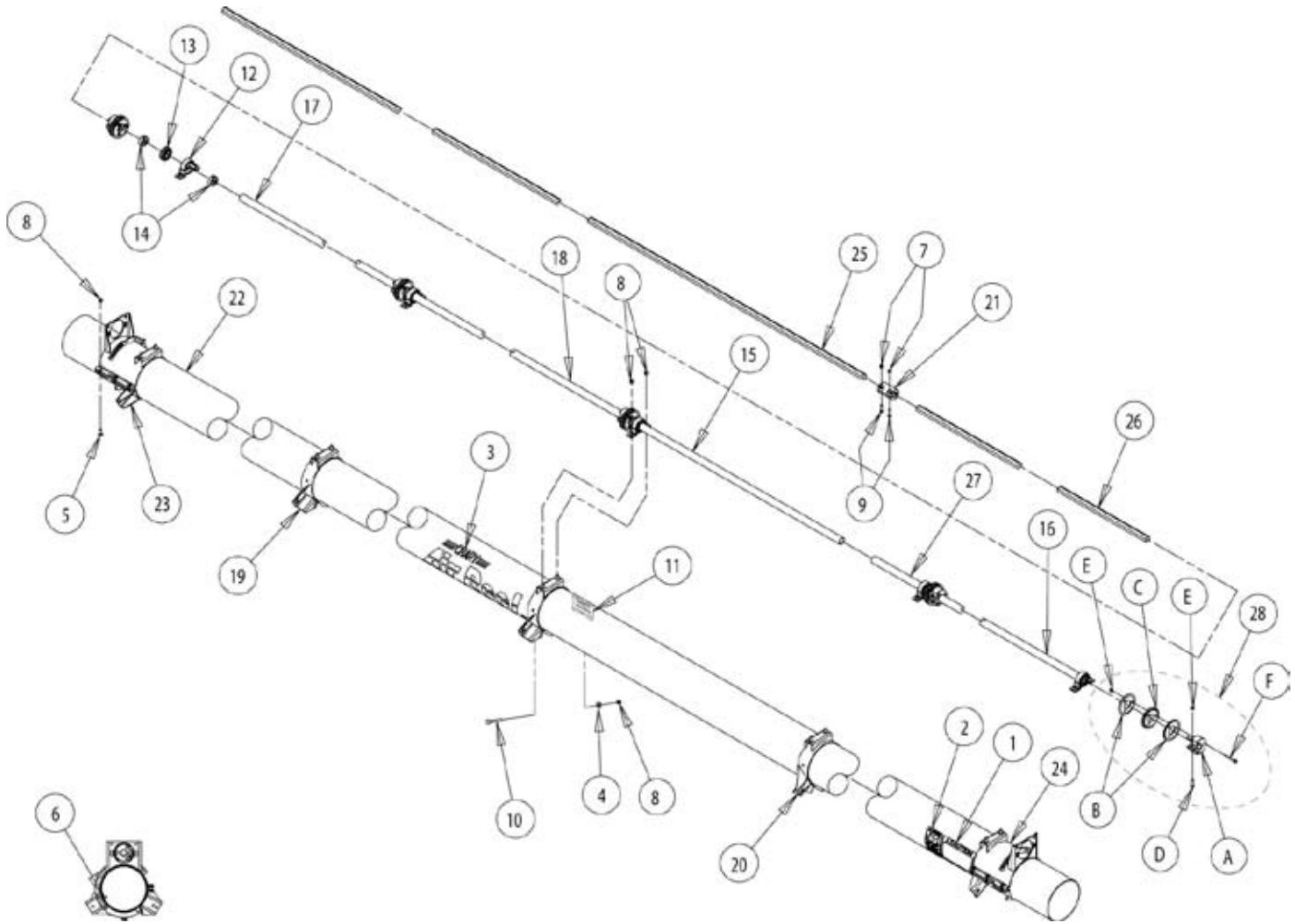
ASSEMBLY, AIR MANIFOLD				
ITEM	PART NUMBER	DESCRIPTION	22392 15 FT. QTY	22394 16.5 FT. QTY
1	11001	DECAL, SAFETY (CAUTION)	1	1
2	11002	DECAL, WARNING	1	1
3	11012	DECAL, CRARY AIR REEL	1	1
4	15031	WASHER, 3/8" FLAT ZP	1	2
5	15057	BOLT, 3/8" X 1" CARRIAGE NC GR5 ZP	12	14
6	15176	SCREW, 11/32" X 7/8" HWH AB THREAD ZP	3	3
7	15388	NUT, 3/8" NE NYLOCK ZP	13	16
8	15486	BOLT, 3/8" X 3-1/2" CARRIAGE NC GR5 ZP	1	1
9	17224	DECAL, CENTER MANIFOLD DIRECTION	1	1
10	17406	PILLOWBLOCK, STAMPED STEEL	3	4
11	17407	BEARING INSERT, 1" HEX	3	4
12	17444	COLLAR, 1" HEX, SET	2	2
13	22181	SHIELD, DRIVE SHAFT (79.38")	1	
	22184	SHIELD, DRIVE SHAFT (52.75")		2
14	22192	SHIELD, DRIVE SHAFT (70.00")	1	
	22185	SHIELD, DRIVE SHAFT (59.50")		1
15	22364	WELDMENT, IDLER MOUNT, CLAMP, RIGHT HAND	1	1
16	24268-12	MANIFOLD, F.A.R. (15 FT)	1	
	24270-12	MANIFOLD, F.A.R. (16.5 FT.)		1
17	24910-12	WELDMENT, END CLAMP, RIGHT HAND (W/MOTOR MT.)	1	1
18	24917-12	WELDMENT, END CLAMP, LEFT HAND	1	1
19	25569-00	SHAFT, REEL DRIVE (168.13")	1	
	25567-00	SHAFT, REEL DRIVE (187.81")		1
20	25760-00	ASSEMBLY, HUB/PINION GEAR	3	4
A	13768-00	HUB, PINION GEAR	1	1
B	25658-12	RING, PINION RETAINER	2	2
C	17703	GEAR, IDLER, 1.575" BORE	1	1
D	15436	BOLT, 5/16" X 1-1/4" HHCS NC GR5 ZP	1	1
E	15356	NUT, 5/16" NE NYLOCK ZP	4	4
F	15154	BOLT, 5/16" X 2-1/2" HHCS GR5 ZP	3	3
	16722	STRIPING, AIR REEL (NOT SHOWN)	6.5	8
	22365	WELDMENT, IDLER MOUNT CLAMP, (LH) (NOT SHOWN)		1



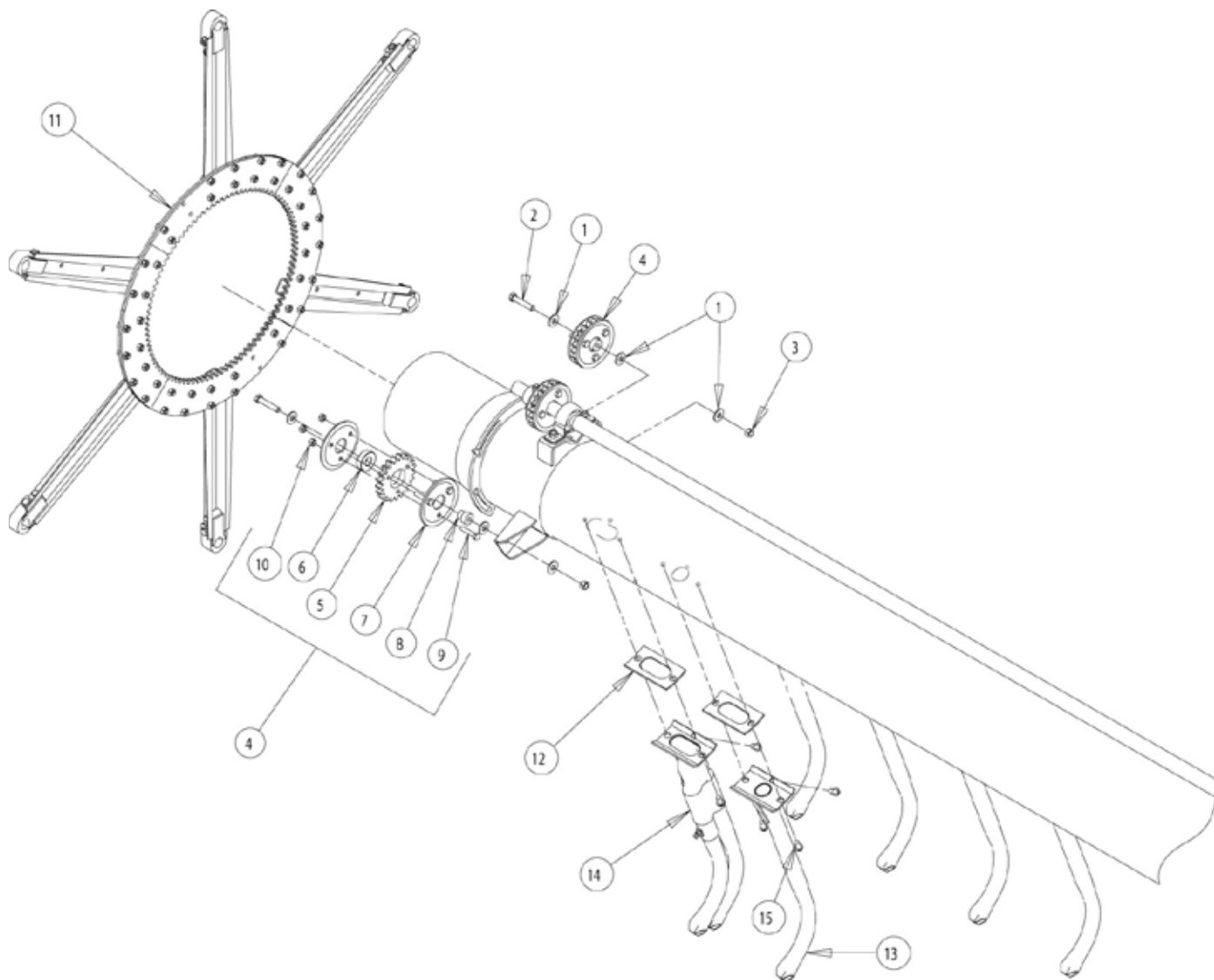
ASSEMBLY, AIR MANIFOLD				
ITEM	PART NUMBER	DESCRIPTION	22395 17.5 FOOT QTY	22397 20 FOOT QTY
1	11001	DECAL, SAFETY (CAUTION)	1	1
2	11002	DECAL, WARNING	1	1
3	11012	DECAL, CRARY AIR REEL	1	1
4	15031	WASHER, 3/8" FLAT ZP	2	2
5	15057	BOLT, 3/8" X 1" CARRIAGE NC GR5 ZP	14	14
6	15176	SCREW, 11/32" X 7/8" HWH AB THREAD ZP	4	4
7	15388	NUT, 3/8" NE NYLOCK ZP	16	16
8	15486	BOLT, 3/8" X 3-1/2" CARRIAGE NC GR5 ZP	2	2
9	17224	DECAL, CENTER MANIFOLD DIRECTION	1	1
10	17406	PILLOWBLOCK, STAMPED STEEL	4	4
11	17407	INSERT, BEARING, 1" HEX	4	4
12	17444	COLLAR, 1" HEX, SET	2	2
13	22184	SHIELD, DRIVE SHAFT (52.75")	1	
	22185	SHIELD, DRIVE SHAFT (59.50")		1
14	22179	SHIELD, DRIVE SHAFT (62.25")	1	1
15	22184	SHIELD, DRIVE SHAFT (52.75")	1	1
	22188	SHIELD, DRIVE SHAFT (82.50")		1
16	22364	WELDMENT, IDLER MOUNT CLAMP, RIGHT HAND	1	1
17	22365	WELDMENT, IDLER MOUNT CLAMP, LEFT HAND	1	1
18	24271-12	MANIFOLD, F.A.R. (17.5 FT.)	1	
	24273-12	MANIFOLD, F.A.R. (20 FT.)		1
19	24910-12	WELDMENT, END CLAMP, RIGHT HAND (W/MOTOR MNT)	1	1
20	24917-12	WELDMENT, END CLAMP, LEFT HAND	1	
	24975-12	WELDMENT, END CLAMP, LEFT HAND (W/MOTOR MNT)		1
21	25566-00	SHAFT, REEL DRIVE (197.66")	1	
	25564-00	SHAFT, REEL DRIVE (227.13")		1
22	25760-00	ASSEMBLY, HUB/PINION GEAR	4	4
A	13768-00	HUB, PINION GEAR	1	1
B	25658-12	RING, PINION RETAINER	2	2
C	17703	GEAR, IDLER, 1.575" BORE	1	1
D	15436	BOLT, 5/16" X 1-1/4" HHCS NC GR5 ZP	1	1
E	15356	NUT, 5/16" NE NYLOCK ZP	4	4
F	15154	BOLT, 5/16" X 2-1/2" HHCS GR5 ZP	3	3
	16722	STRIPING, AIR REEL (NOT SHOWN)	9	9



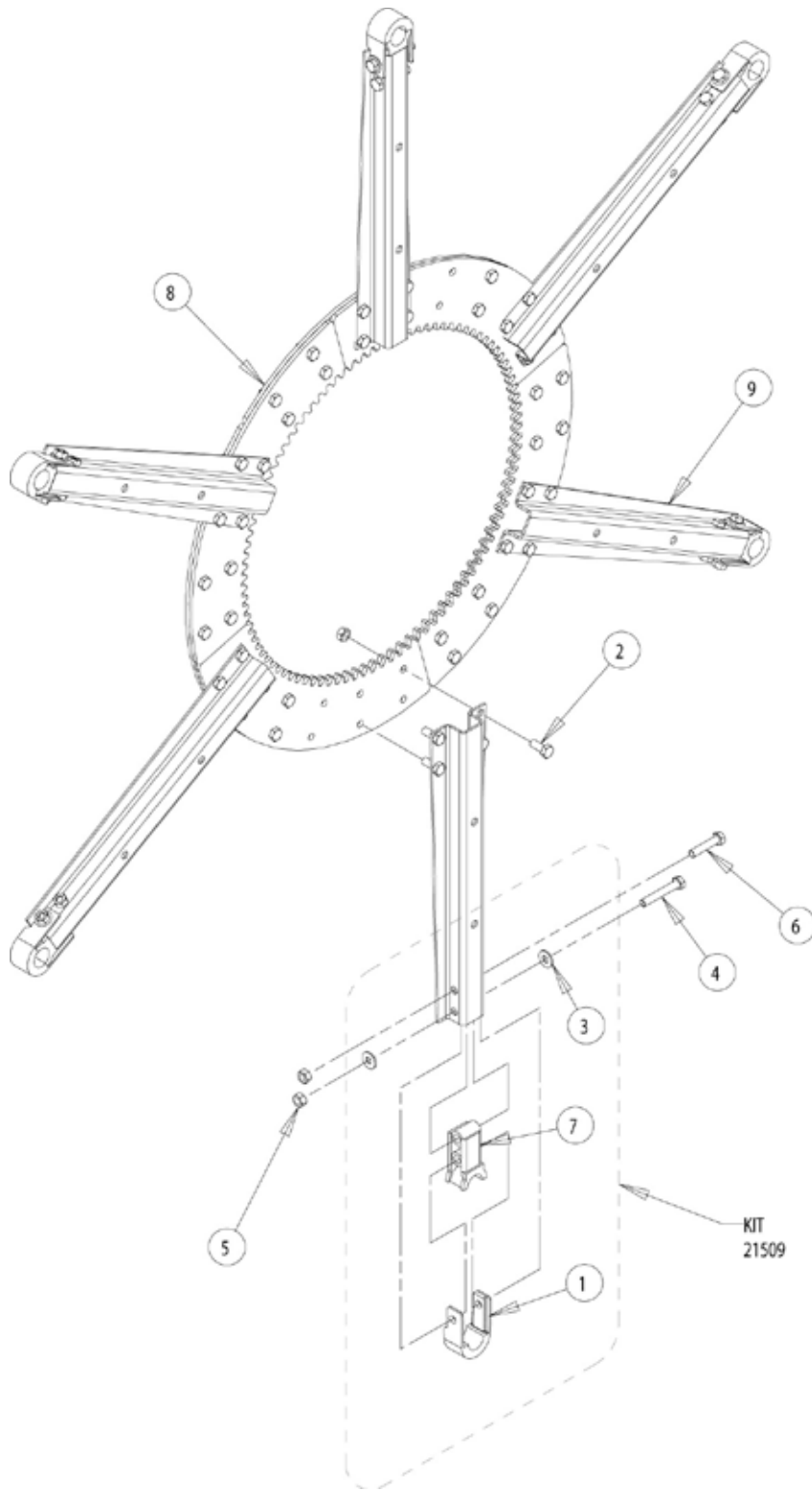
ASSEMBLY, AIR MANIFOLD				
ITEM	PART NUMBER	DESCRIPTION	22399 22.5 FOOT QTY	22402 25 FOOT QTY
1	11001	DECAL, SAFETY (CAUTION)	1	1
2	11002	DECAL, WARNING	1	1
3	11012	DECAL, CRARY AIR REEL	1	1
4	14022-00	COUPLER, 1" HEX SHAFT	1	1
5	15031	WASHER, 3/8" FLAT ZP	2	2
6	15057	BOLT, 3/8" X 1" CARRIAGE NC GR5 ZP	14	14
7	15176	SCREW, 11/32" X 7/8" HWH AB THREAD	4	4
8	15356	NUT, 5/16" NE NYLOCK ZP	2	2
9	15388	NUT, 3/8" NE NYLOCK ZP	16	16
10	15436	BOLT, 5/16" X 1-1/4" HHCS NC GR5 ZP	2	2
11	15486	BOLT, 3/8" X 3-1/2" CARRIAGE NC GR5 ZP	2	2
12	17224	DECAL, CENTER MANIFOLD DIRECTION	1	1
13	17406	PILLOWBLOCK, STAMPED STEEL	4	4
14	17407	INSERT, BEARING, 1" HEX	4	4
15	17444	COLLAR, 1" HEX, SET	2	2
16	22185	SHIELD, DRIVE SHAFT (59.50")	1	
	22374	SHIELD, DRIVE SHAFT (86.25")		1
17	22189	SHIELD, DRIVE SHAFT (92.00")	1	1
18	22192	SHIELD, DRIVE SHAFT (70.00")	1	
	25580-00	SHIELD, DRIVE SHAFT (43.75")		2
19	22364	WELDMENT, IDLER MOUNT CLAMP, RIGHT HAND	1	1
20	22365	WELDMENT, IDLER MOUNT CLAMP, LEFT HAND	1	1
21	24275-12	MANIFOLD, F.A.R. (22.5 FT)	1	
	24278-12	MANIFOLD, F.A.R. (25 FT.-JD, CIH, DAC)		1
22	24910-12	WELDMENT, END CLAMP, RIGHT HAND (W/MOTOR MOUNT)	1	1
23	24917-12	WELDMENT, END CLAMP, LEFT HAND	1	1
24	25563-00	SHAFT, REEL DRIVE (239.75")	1	1
25	25574-00	SHAFT, REEL DRIVE (16.69")	1	
	25571-00	SHAFT, REEL DRIVE (52.50")		1
26	25576-00	SHIELD, DRIVE SHAFT (8.75")	1	
27	25760-00	ASSEMBLY, HUB/PINION GEAR	4	4
A	13768-00	HUB, PINION GEAR	1	1
B	25658-12	RING, PINION RETAINER	2	2
C	17703	GEAR, IDLER, 1.575" BORE	1	1
D	15436	BOLT, 5/16" X 1-1/4" HHCS NC GR5 ZP	1	1
E	15356	NUT, 5/16" NE NYLOCK ZP	4	4
F	15154	BOLT, 5/16" X 2-1/2" HHCS GR5 ZP	3	3
	16722	STRIPING, AIR REEL (NOT SHOWN)	10.75	13



ASSEMBLY, AIR MANIFOLD				
ITEM	PART NUMBER	DESCRIPTION	22404 30 FOOT QTY	27134-00 30 FT. LONG QTY
1	11001	DECAL, SAFETY (CAUTION)	1	1
2	11002	DECAL, WARNING	1	1
3	11012	DECAL, CRARY AIR REEL	1	1
4	15031	WASHER, 3/8" FLAT ZP	3	3
5	15057	BOLT, 3/8" X 1" CARRIAGE NC GR5 ZP	16	16
6	15176	SCREW, 11/32" X 7/8" HWH AB THREAD ZP	5	5
7	15356	NUT, 5/16" NE NYLOCK ZP	2	2
8	15388	NUT, 3/8" NE NYLOCK ZP	19	19
9	15436	BOLT, 5/16" X 1-1/4" HHCS NC GR5 ZP	2	2
10	15737-00	BOLT, 3/8" X 4" CARRIAGE FULL THREAD GR5	3	3
11	17224	DECAL, CENTER MANIFOLD DIRECTION	1	1
12	17406	PILLOWBLOCK, STAMPED STEEL	5	5
13	17407	INSERT, BEARING, 1" HEX	5	5
14	17444	COLLAR, 1" HEX, SET	2	2
15	22186	SHIELD, DRIVE SHAFT (56.00")	1	
	27139-00	SHIELD, DRIVE SHAFT (18.25")		1
16	22188	SHIELD, DRIVE SHAFT (82.50")	1	
	22181	SHIELD, DRIVE SHAFT (79.38")		1
17	22189	SHIELD, DRIVE SHAFT (92.00")	1	
	22181	SHIELD, DRIVE SHAFT (79.38")		1
18	22193	SHIELD, DRIVE SHAFT (74.12")	1	
	22181	SHIELD, DRIVE SHAFT (79.38")		1
19	22364	WELDMENT, IDLER MOUNT CLAMP, RIGHT HAND	2	2
20	22365	WELDMENT, IDLER MOUNT CLAMP, LEFT HAND	1	1
21	14022-00	COUPLER, 1" HEX SHAFT	1	1
22	24280-12	MANIFOLD, F.A.R. (30 FOOT)	1	
	27130-12	MANIFOLD, F.A.R. (30 FOOT-L)		1
23	24910-12	WELDMENT, END CLAMP, RIGHT HAND (W/MOTOR MNT)	1	1
24	24975-12	WELDMENT, END CLAMP, LEFT HAND (W/MOTOR MNT)	1	1
25	25563-00	SHAFT, REEL DRIVE (239.75")	1	1
26	25570-00	SHAFT, REEL DRIVE (107.13")	1	
	27138-00	SHAFT, REEL DRIVE (112.06")		1
27	25577-00	SHIELD, DRIVE SHAFT (12.00')	1	
	22185	SHIELD, DRIVE SHAFT (59.50")		1
28	25760-00	ASSEMBLY, HUB/PINION GEAR	5	5
A	13768-00	HUB, PINION GEAR	1	1
B	25658-12	RING, PINION RETAINER	2	2
C	17703	GEAR, IDLER, 1.575" BORE	1	1
D	15436	BOLT, 5/16" X 1-1/4" HHCS NC GR5 ZP	1	1
E	15356	NUT, 5/16" NE NYLOCK ZP	4	4
F	15154	BOLT, 5/16" X 2-1/2" HHCS GR5 ZP	3	3
	16722	STRIPING, AIR REEL (NOT SHOWN)	18	19

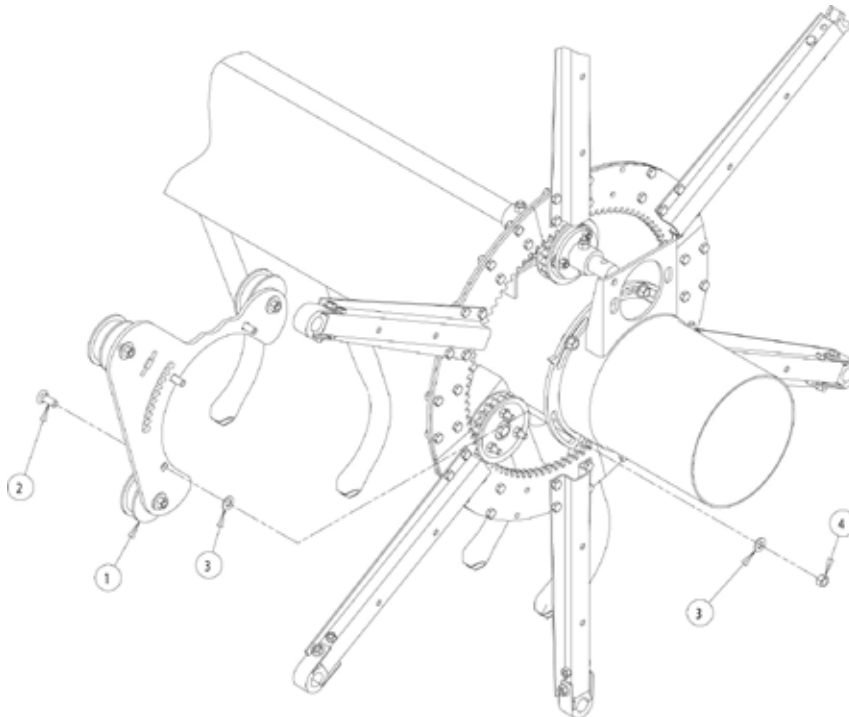
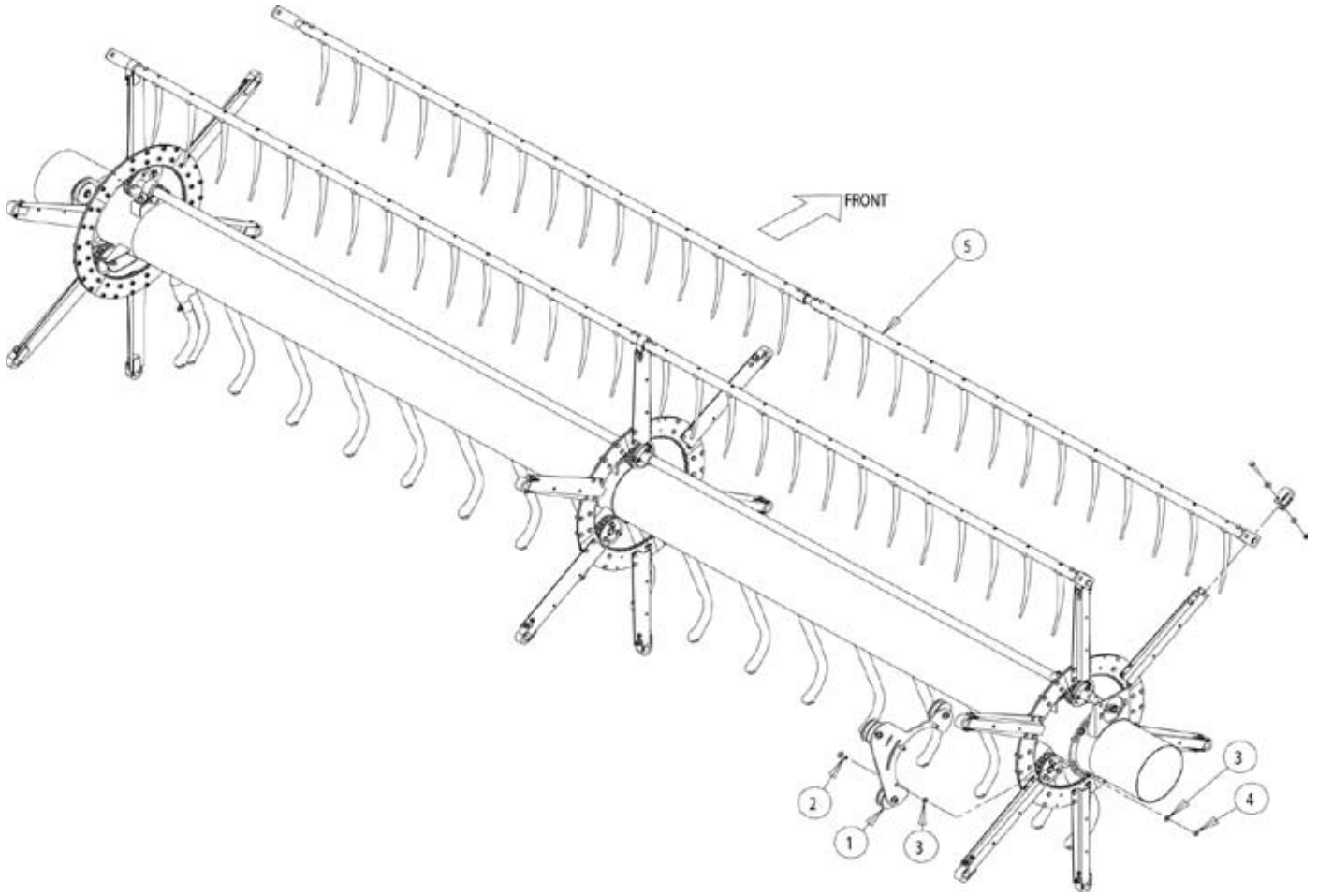


ASSEMBLY, IDLER GEAR AND AIR TUBE										
ITEM	PART NUMBER	DESCRIPTION	22600 15 FT. QTY	22602 16.5 FT. QTY	22603 17.5 FT. QTY	22605 20 FT. QTY	22607 22.5 FT. QTY	22609 25 FT. QTY	22419 30 FT. QTY	22612 30 FT. LONG QTY
1	15031	WASHER, 3/8" FLAT ZP	18	24	24	24	24	24	30	30
2	15008	BOLT, 3/8" X 2" HHCS GR5 ZP	6	8	8	8	8	8	10	10
3	15047	NUT, 3/8" CENTERLOCK ZP	6	8	8	8	8	8	10	16
4	22164	ASSEMBLY, IDLER GEAR	6	8	8	8	8	8	10	10
5	17703	GEAR, IDLER, 1.575" BORE	1	1	1	1	1	1	1	1
6	17669	BEARING, RADIAL 17MM	1	1	1	1	1	1	1	1
7	21978	RING, PINION RETAINER	2	2	2	2	2	2	2	2
8	17670	ADAPTOR, SHOULDER BORE	1	1	1	1	1	1	1	1
9	15436	BOLT, 5/16" X 1-142" HHCS NC GR5 ZP	3	3	3	3	3	3	3	3
10	15356	NUT, 5/16" NE NYLOCK ZP	3	3	3	3	3	3	3	3
11	22346	ASSEMBLY, REEL BAT ARM, 6 BAT (SEE PG 14-15)	3	4	4	4	4	4	5	5
12	17313	SEAL, FOAM, AIR TUBE	17	19	20	23	26	29	35	36
13	22153	WELDMENT, AIR TUBE	15	17	18	21	24	27	33	34
14	22405	ASSEMBLY, DOUBLE AIR TUBE WELDMENT	2	2	2	2	2	2	2	2
15	15176	SCREW, 11/32" X 7/8" HWHAB THREAD ZP	51	57	60	69	78	87	105	108

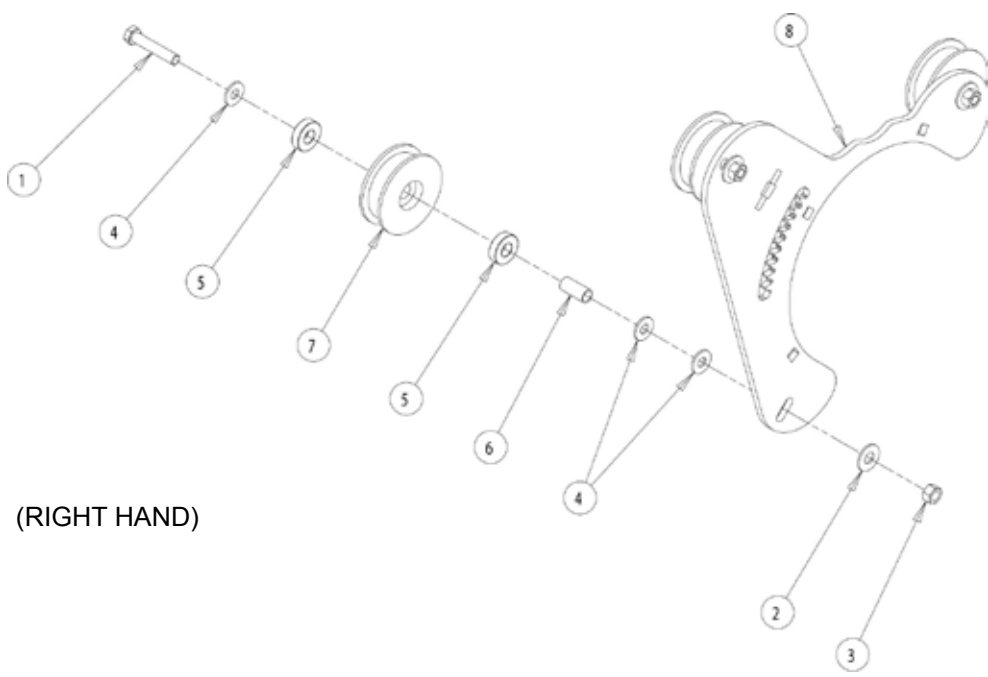


ASSEMBLY, REEL BAT ARM (22346)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	12528	BEARING CAP, PLASTIC	6
2	15003	BOLT, 5/16" X 3/4" HHCS GR5 ZP	44
3	15030	WASHER, 1/4" FLAT ZP	12
4	15140	BOLT, 5/16" X 2" HHCS GR5 ZP	6
5	15178	NUT, 5/16" CENTERLOCK NC ZP	56
6	15282	BOLT, 5/16" X 1-1/2" HHCS GR5 ZP	6
7	17404	BEARING BASE, PLASTIC	6
8	17634	SECTION, INTERNAL GEAR	8
9	21550	REEL ECCENTRIC ARM	6

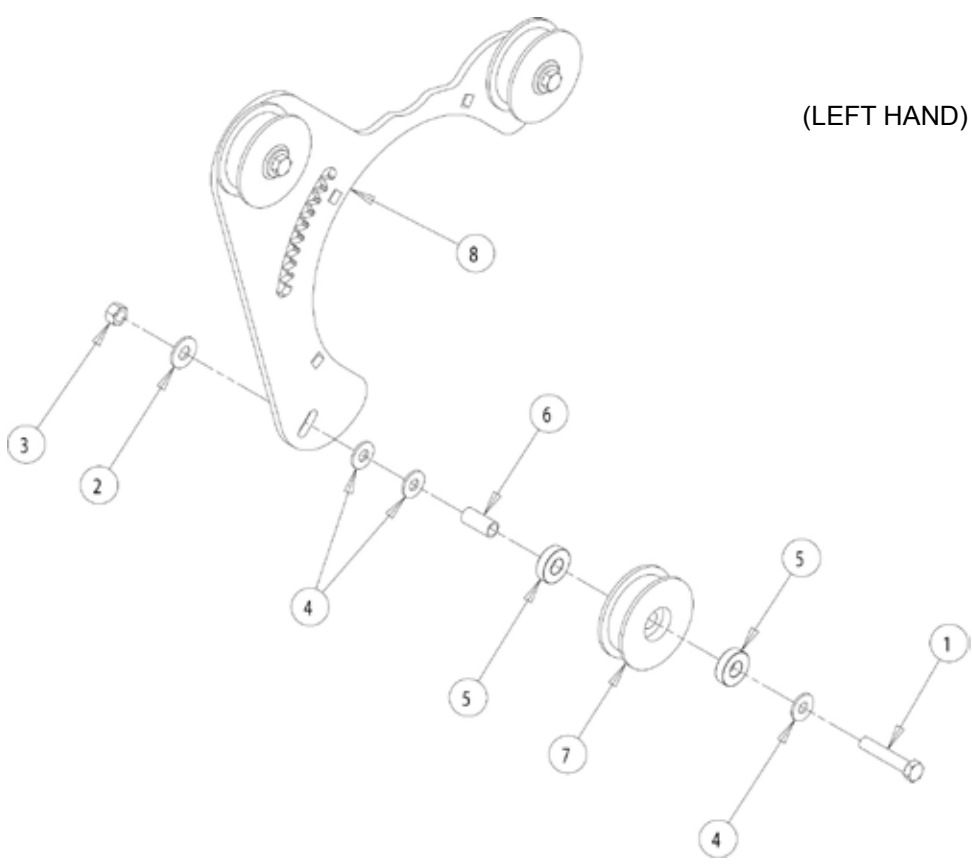
REPLACEMENT BEARING ASSEMBLY (21509)			
ITEM	PART NUMBER	DESCRIPTION	QTY
	12528	BEARING CAP, PLASTIC	1
	15030	WASHER, 1/4" FLAT ZP	2
	17404	BEARING BASE, PLASTIC	1



ASSEMBLY, BAT & ECCENTRIC MOUNT			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	24919	ASSEMBLY, ECCENTRIC MOUNT PLATE/ROLLER, RIGHT HAND	1
	24920	ASSEMBLY, ECCENTRIC MOUNT PLATE/ROLLER, LEFT HAND (NOT SHOWN)	1
2	15057	BOLT, 3/8" X 1" CARRIAGE NC GR5 ZP	6
3	15260	WASHER, 3/8" SAE FLAT ZP	12
4	15047	NUT, 3/8" CENTERLOCK ZP	6
5	24936	ASSEMBLY, REEL BAT (15 FT.) (KIT 25412)	6
	24938	ASSEMBLY, REEL BAT (16.5 FT.) (KIT 25414)	6
	24939	ASSEMBLY, REEL BAT (17.5 FT.) (KIT 25415)	6
	24941	ASSEMBLY, REEL BAT (20 FT.) (KIT 25417)	6
	24943	ASSEMBLY, REEL BAT (22.5 FT.) (KIT 25419)	6
	24946	ASSEMBLY, REEL BAT (25 FT.) (KIT 25421)	6
	24948	ASSEMBLY, REEL BAT (30 FT.) (KIT 25424)	6
	27144-00	ASSEMBLY, REEL BAT (30 FT. LONG)	6



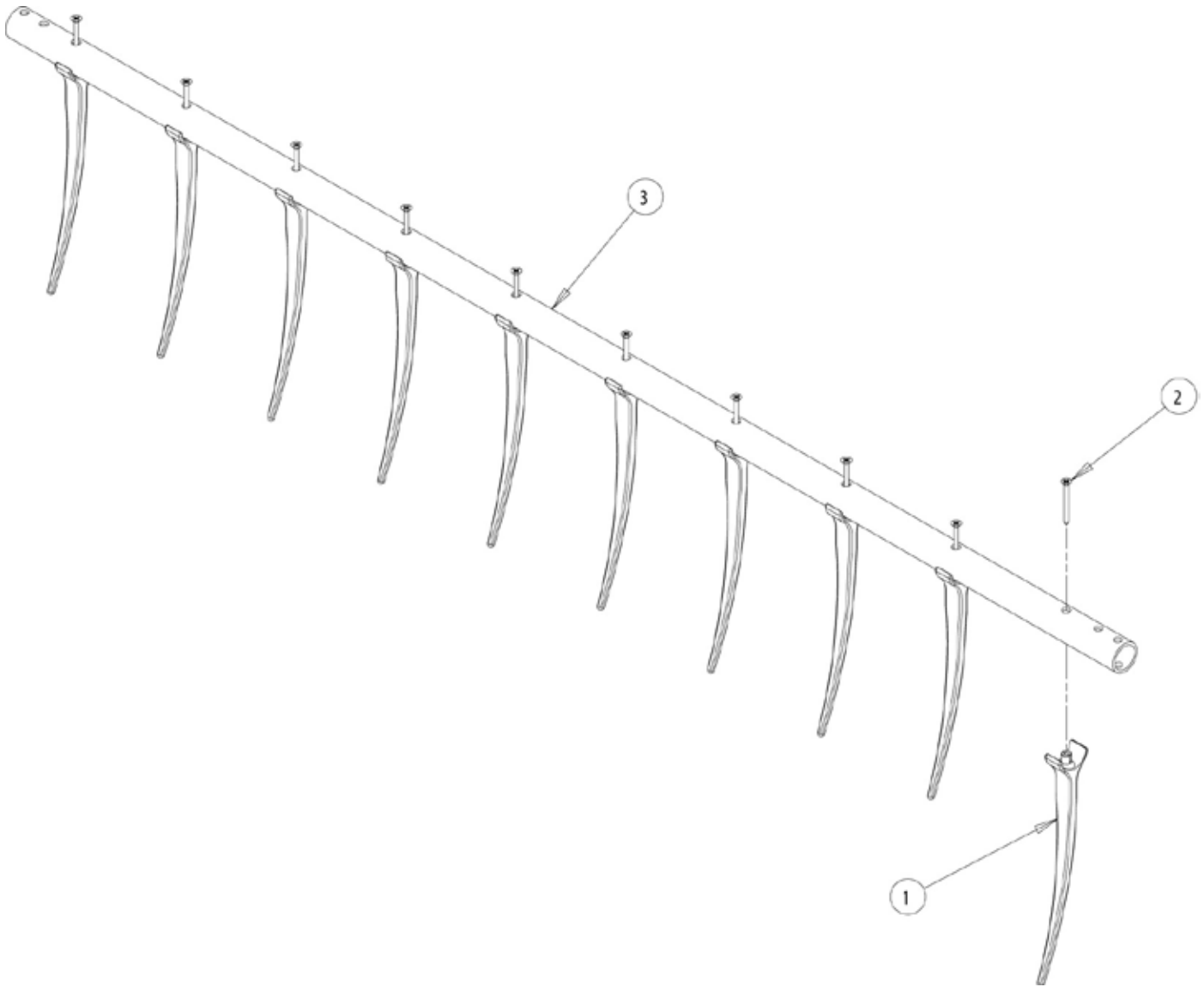
(RIGHT HAND)



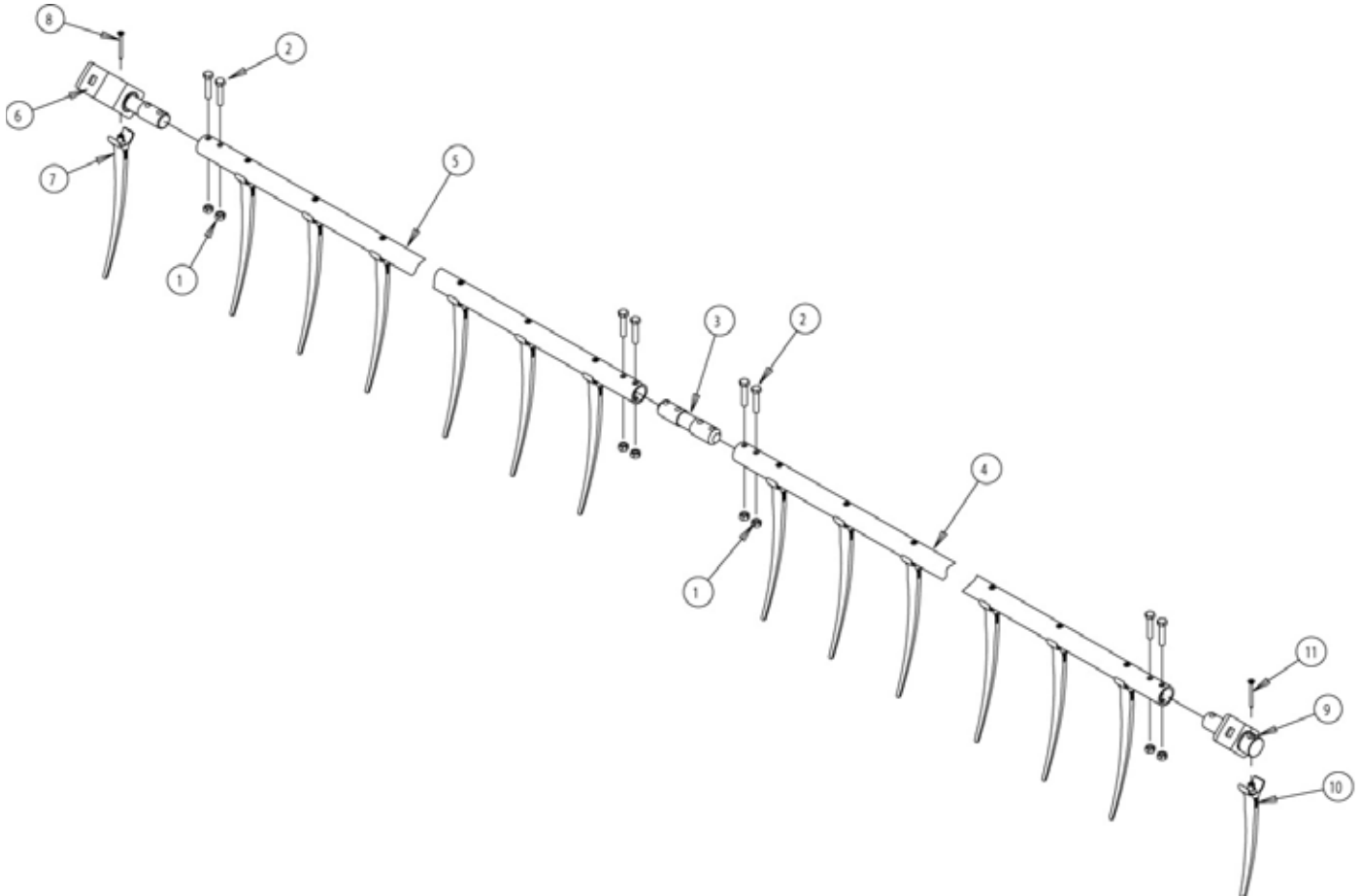
(LEFT HAND)

ASSEMBLY, ECCENTRIC MOUNT PLATE/ROLLER (RIGHT HAND) (24919)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	15008	BOLT, 3/8" X 2" HHCS GR5 ZP	3
2	15031	WASHER, 3/8" FLAT ZP	3
3	15047	NUT, 3/8" CENTERLOCK ZP	3
4	15250	WASHER, 5/16" FLAT ZP	9
5	17629	BEARING, RADIAL	6
6	21588	BUSHING, ROLLER	3
7	21797	ROLLER, PLASTIC, 3" SM, VIRGIN UHMW	3
8	24905-12	PLATE, ECCENTRIC ROLLER MOUNT	1

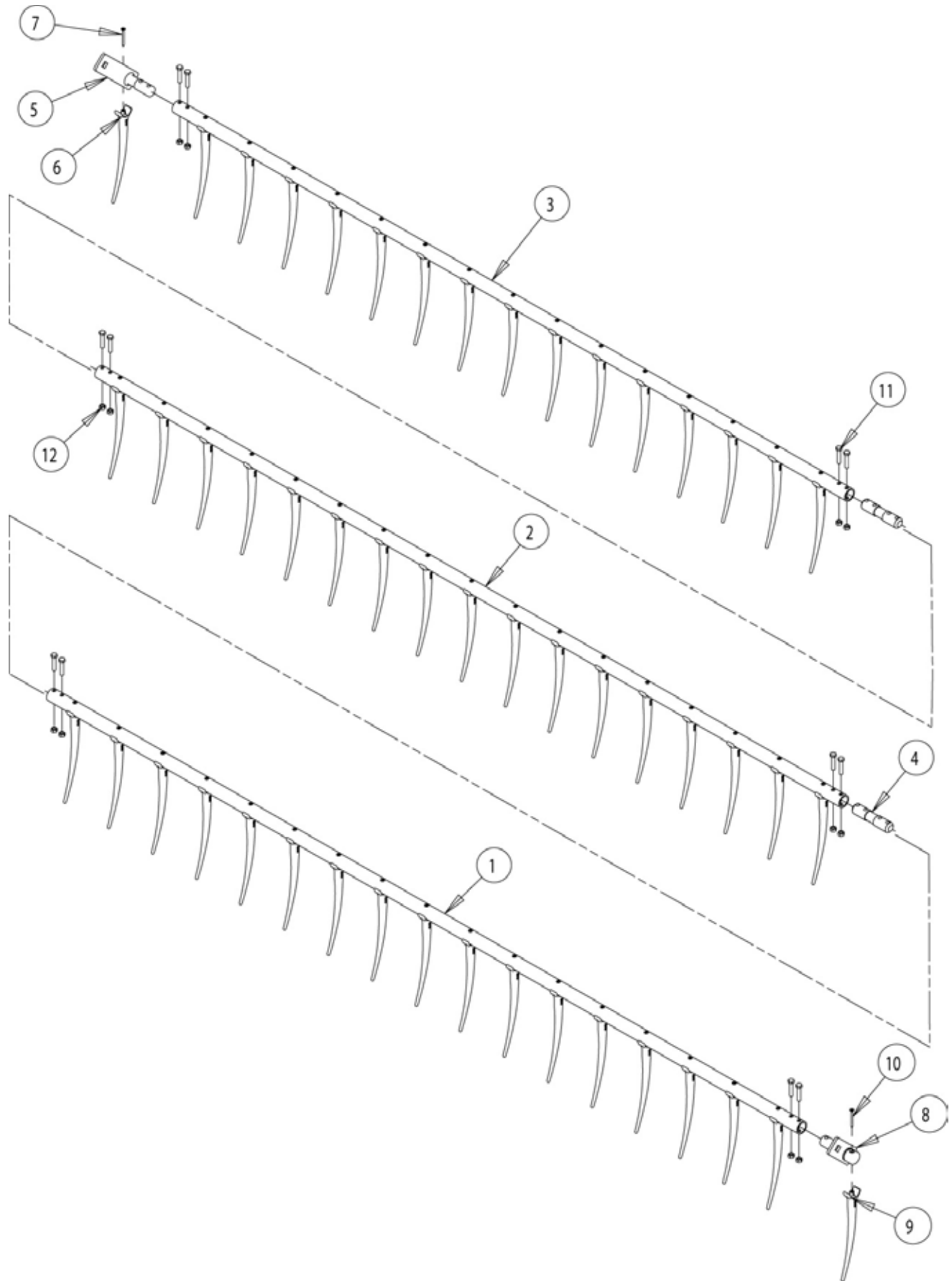
ASSEMBLY, ECCENTRIC MOUNT PLATE/ROLLER (LEFT HAND) (24920)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	15008	BOLT, 3/8" X 2" HHCS GR5 ZP	3
2	15031	WASHER, 3/8" FLAT ZP	3
3	15047	NUT, 3/8" CENTERLOCK ZP	3
4	15250	WASHER, 5/16" FLAT ZP	9
5	17629	BEARING, RADIAL	6
6	21588	BUSHING, ROLLER	3
7	21797	ROLLER, PLASTIC, 3" SM, VIRGIN UHMW	3
8	24905-12	PLATE, ECCENTRIC ROLLER MOUNT	1



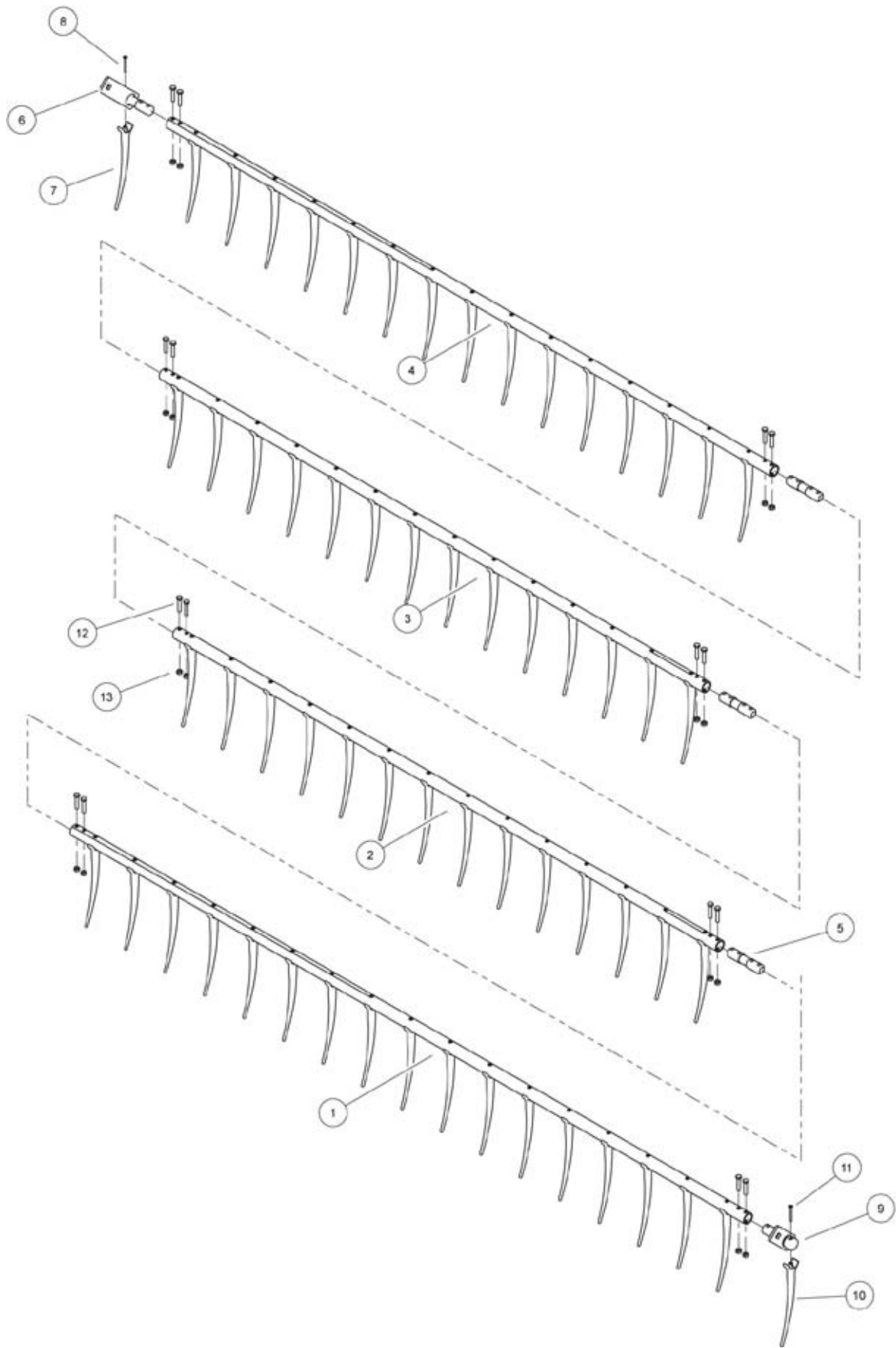
ASSEMBLY, BAT TUBE/REEL TINE																
ITEM	PART NUMBER	DESCRIPTION	24922 56" QTY	24923 60" QTY	24924 65" QTY	24925 66" QTY	24926 67" QTY	24927 74" QTY	24928 75" QTY	24929 77" QTY	24930 85" QTY	24931 86" QTY	24932 92" QTY	24933 95" QTY	24934 96" QTY	27172-00 101" QTY
1	12529	TINE, PLASTIC REEL	10	10	11	12	12	13	13	14	15	15	16	17	17	18
2	15597	SCREW, 12-14 X 2" FLAT HEAD THREAD FORM	10	10	11	12	12	13	13	14	15	15	16	17	17	18
3	24875-12	TUBE, REEL BAT (56")	1													
	24876-12	TUBE, REEL BAT (60")		1												
	24877-12	TUBE, REEL BAT (65")			1											
	24878-12	TUBE, REEL BAT (66")				1										
	24879-12	TUBE, REEL BAT (67")					1									
	24880-12	TUBE, REEL BAT (74")						1								
	24881-12	TUBE, REEL BAT (75")							1							
	24882-12	TUBE, REEL BAT (77")								1						
	24883-12	TUBE, REEL BAT (85")									1					
	24884-12	TUBE, REEL BAT (86")										1				
	24885-12	TUBE, REEL BAT (92")											1			
	24886-12	TUBE, REEL BAT (95")												1		
	24887-12	TUBE, REEL BAT (96")													1	
27129-12	TUBE, REEL BAT (101")															1



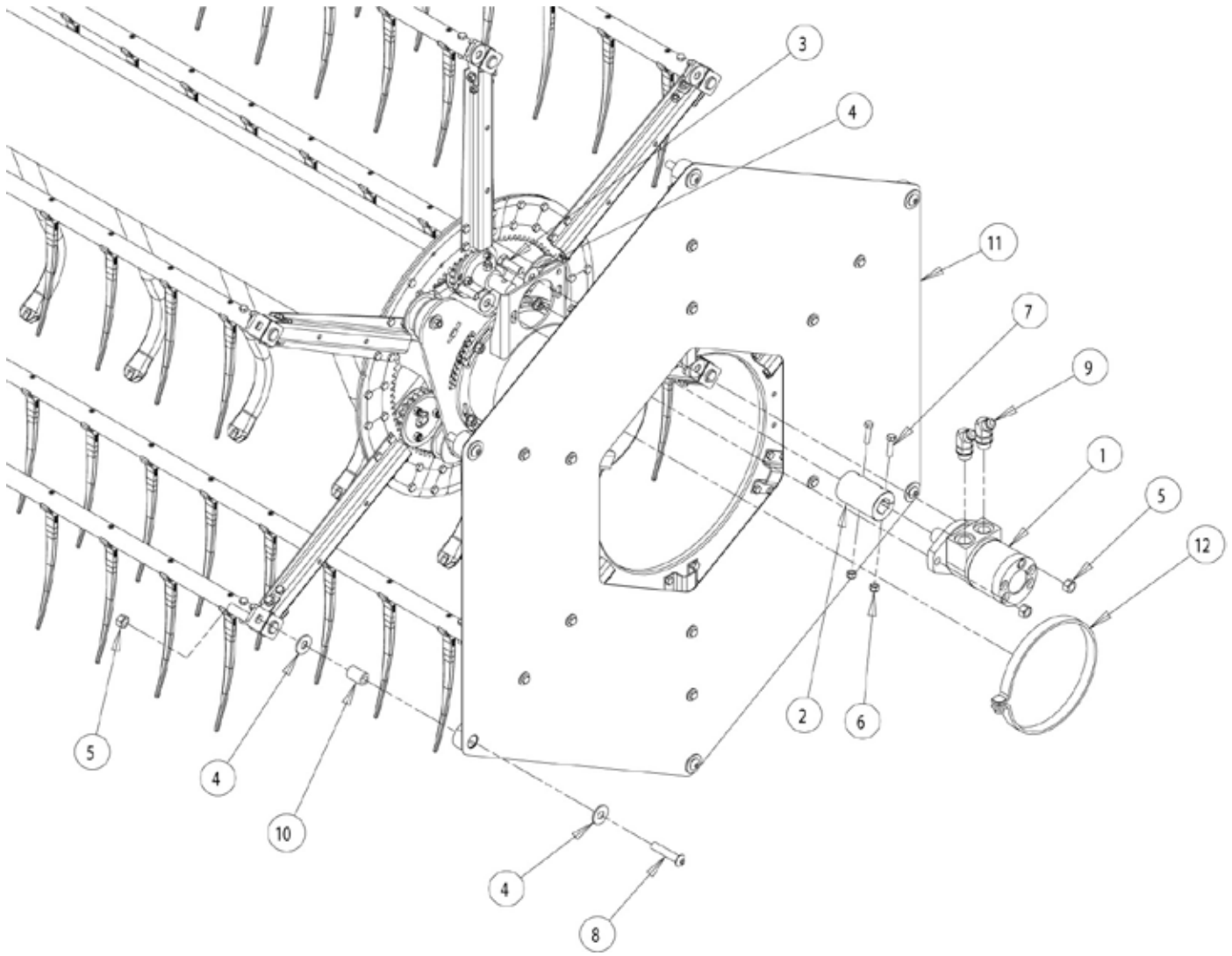
ASSEMBLY, REEL BAT (15') (24936)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	15178	NUT, 5/16" CENTERLOCK NC ZP	8
2	15282	BOLT, 5/16" X 1-1/2" HHCS GR5 ZP	8
3	24888	SHAFT, BAT SPLICE	1
4	24927	ASSEMBLY, BAT TUBE/REEL TINE (74")	1
5	24931	ASSEMBLY, BAT TUBE/REEL TINE (86")	1
	27983-00	ASSEMBLY, LH END SHAFT PIVOT	1
6	27951-12	WELDMENT, LH END SHAFT PIVOT	1
7	12529	TINE, PLASTIC REEL	1
8	15597	SCREW, 12-14 X 2" FLAT HD, THD. FORM	1
	27984-00	ASSEMBLY, RH END SHAFT PIVOT	1
9	27952-12	WELDMENT, RH END SHAFT PIVOT	1
10	12529	TINE, PLASTIC REEL	1
11	15597	SCREW, 12-14 X 2" FLAT HD, THD. FORM	1



ASSEMBLY, REEL BAT (16 FT. THRU 25 FT)							
ITEM	PART NUMBER	DESCRIPTION	24938 16.5 FT. QTY	24939 17.5 FT. QTY	24941 20 FT. QTY	24943 22.5 FT. QTY	24946 25 FT. QTY
1	24922	ASSEMBLY, BAT TUBE/REEL TINE (56")	1				
	24925	ASSEMBLY, BAT TUBE/REEL TINE (66")		1	1		
	24934	ASSEMBLY, BAT TUBE/REEL TINE (96")				1	1
2	24924	ASSEMBLY, BAT TUBE/REEL TINE (65")	1	1	1	1	
	24932	ASSEMBLY, BAT TUBE/REEL TINE (92")					1
3	24922	ASSEMBLY, BAT TUBE/REEL TINE (56")	1	1			
	24931	ASSEMBLY, BAT TUBE/REEL TINE (86")			1	1	
	24933	ASSEMBLY, BAT TUBE/REEL TINE (95")					1
4	24888	SHAFT, BAT SPLICE	2	2	2	2	2
	27983-00	ASSEMBLY, LH END SHAFT PIVOT	1	1	1	1	1
5	27951-12	WELDMENT, LH END SHAFT PIVOT	1	1	1	1	1
6	12529	TINE, PLASTIC REEL	1	1	1	1	1
7	15597	SCREW, 12-14 X 2" FLAT HD, THD. FORM	1	1	1	1	1
	27984-00	ASSEMBLY, RH END SHAFT PIVOT	1	1	1	1	1
8	27592-12	WELDMENT, RH END SHAFT PIVOT	1	1	1	1	1
9	12529	TINE, PLASTIC REEL	1	1	1	1	1
10	15597	SCREW, 12-14 X 2" FLAT HD, THD. FORM	1	1	1	1	1
11	15282	BOLT, 5/16" X 1-1/2" HHCS GR5 ZP	12	12	12	12	12
12	15178	NUT, 5/16" CENTERLOCK NC ZP	12	12	12	12	12



ASSEMBLY, REEL BAT				
ITEM	PART NUMBER	DESCRIPTION	24948 30 FT. QTY	27144-00 30 FT. LG. QTY
1	24934	ASSEMBLY, BAT TUBE/REEL TINE (96")	1	
	24930	ASSEMBLY, BAT TUBE/REEL TINE (85")		1
2	24929	ASSEMBLY, BAT TUBE/REEL TINE (77")	1	
	24931	ASSEMBLY, BAT TUBE/REEL TINE (86")		1
3	24929	ASSEMBLY, BAT TUBE/REEL TINE (77")	1	
	24931	ASSEMBLY, BAT TUBE/REEL TINE (86")		1
4	24931	ASSEMBLY, BAT TUBE/REEL TINE (86")	1	
	24930	ASSEMBLY, BAT TUBE/REEL TINE (85")		1
5	24888	SHAFT, BAT SPLICE	3	3
	27983-00	ASSEMBLY, LH END SHAFT PIVOT	1	1
6	27951-12	WELDMENT, LH END SHAFT PIVOT	1	1
7	12529	TINE, PLASTIC REEL	1	1
8	15597	SCREW, 12-14 X 2" FLAT HD, THD. FORM	1	1
	27984-00	ASSEMBLY, RH END SHAFT PIVOT	1	1
9	27952-12	WELDMENT, RH END SHAFT PIVOT	1	1
10	12529	TINE, PLASTIC REEL	1	1
11	15597	SCREW, 12-14 X 2" FLAT HD, THD. FORM	1	1
12	15282	BOLT, 5/16" X 1-1/2" HHCS GR5 ZP	16	16
13	15178	NUT, 5/16" CENTERLOCK NC ZP	16	16



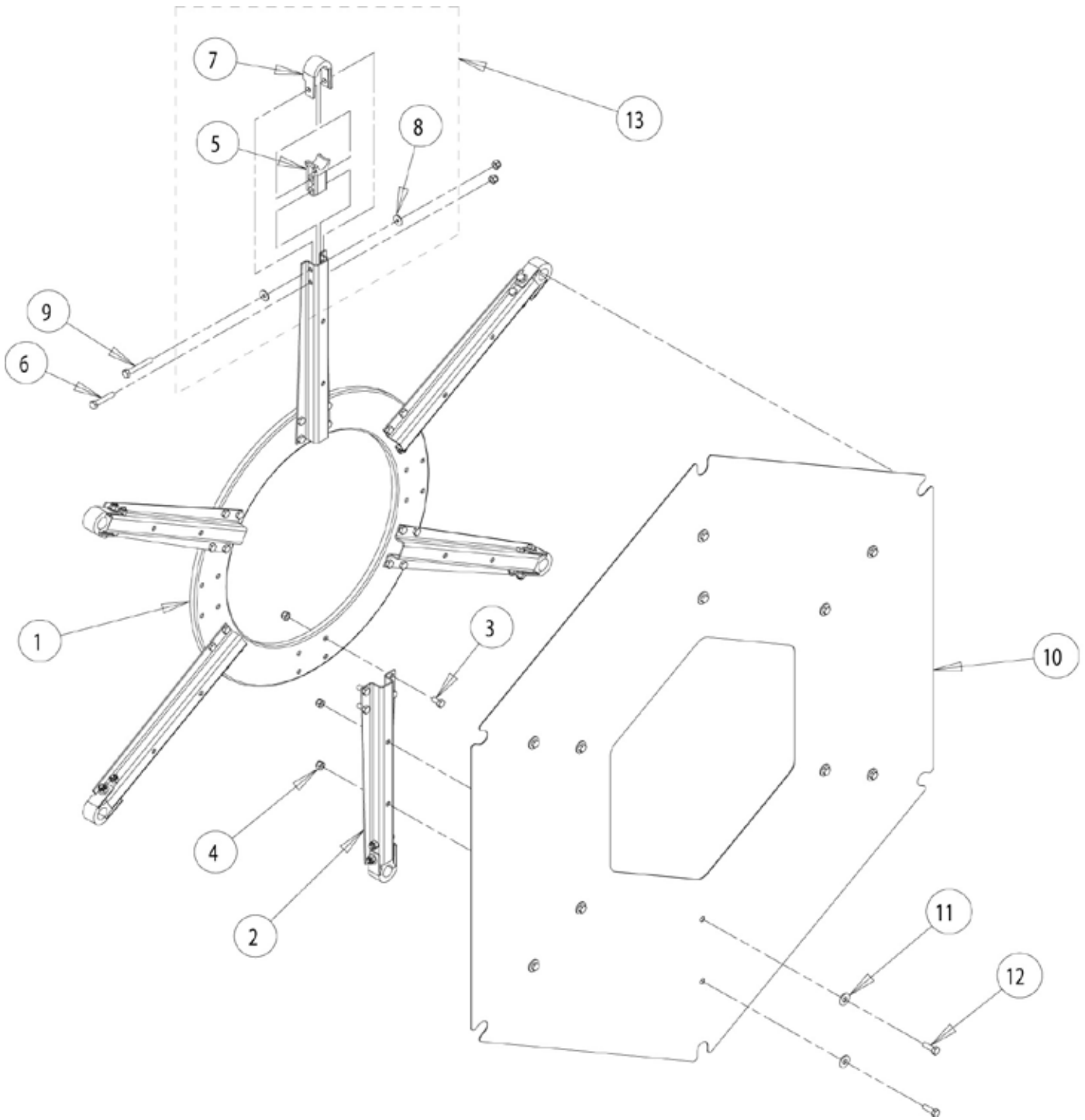
ASSEMBLY, ECCENTRIC ARM & HYDRAULIC MOTOR			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	12491	MOTOR, HYDRAULIC GEAR SAE 2 BOLT 8.0/8.9 CID	1
	12050	KIT, MOTOR SEAL (ROSS/PARKER)	1
	16516	KIT, SEAL (CHAR-LYNN)	1
2	14022-00	COUPLER, 1" HEX SHAFT	1
3	15014	BOLT, 1/2" X 1-1/2" HHCS GR5 ZP	2
4	15034	WASHER, 1/2" FLAT ZP	26
5	15049	NUT, 1/2" CENTERLOCK GRB ZP	14
6	15356	NUT, 5/16" NE NYLOCK ZP	2
7	15436	BOLT, 5/16" X 1-1/4" HHCS NC GR5 ZP	2
8	15562	BOLT, 1/2" X 2-1/2" HEX SOCKET B-HD CPS	12
9	16067	ADAPTER, -10MORING/-8MJIC 45 DEGREE	2
10	21520	BUSHING, PIVOT STRAP	12
11	22347	ASSEMBLY, ECCENTRIC ARM -6 BAT REEL (SEE PG 32-33)	2
12	22489	ASSEMBLY, BRACE CLAMP	2

SEAL KIT FOR CHARLYNN MOTORS

SEAL KIT FOR CHARLYNN MOTORS (16516)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	16516	SEAL KIT FOR CHARLYNN MOTORS	1
		DUST SEAL	1
		BACK UP RING	1
		PRESSURE SEAL (002, 003, 008, 009 MOTORS)	1
		SEAL, FLANGE	1
		SEAL, HOUSING PLUG (008 MOTORS)	1
		SEAL, HOUSING PLUG (009 MOTORS)	1
		SEAL	3
		WASHER	7
		LOCTITE CAPSULE	1
		SEAL (O-RING PORT HOUSING)	2
		O-RING (DRAIN PORT)	1
		O-RING (HOUSING PLUG- END PORTED MODEL)	2

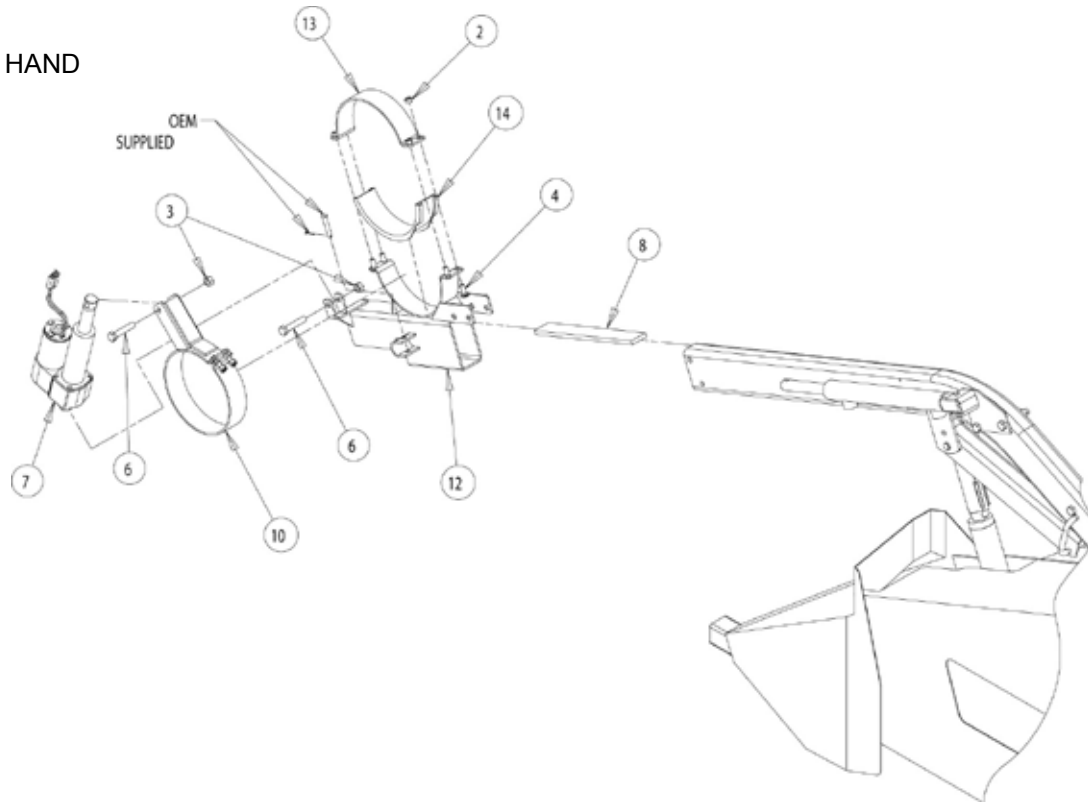
SEAL KIT FOR ROSS/PARKER MOTORS

SEAL KIT FOR HYDRAULIC MOTOR (12050)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	12050	SEAL KIT, MOTOR 8.0 CID AIR REEL MOTOR (ROSS)	1
		FIVE SEAL RINGS (PART NO. 0832821)	6
		COMMUTATOR SEAL (PART NO. 032821)	1
		INNER SEAL (PART NO. 032377)	1
		BACK UP WASHER (PART NO. 028516)	1
		DIRT AND WATER SEAL (PART NO. 478036)	1
		GREASE PACK (PART NO. 406018)	1
		SERVICE MANUAL (PART NO. 050015)	1

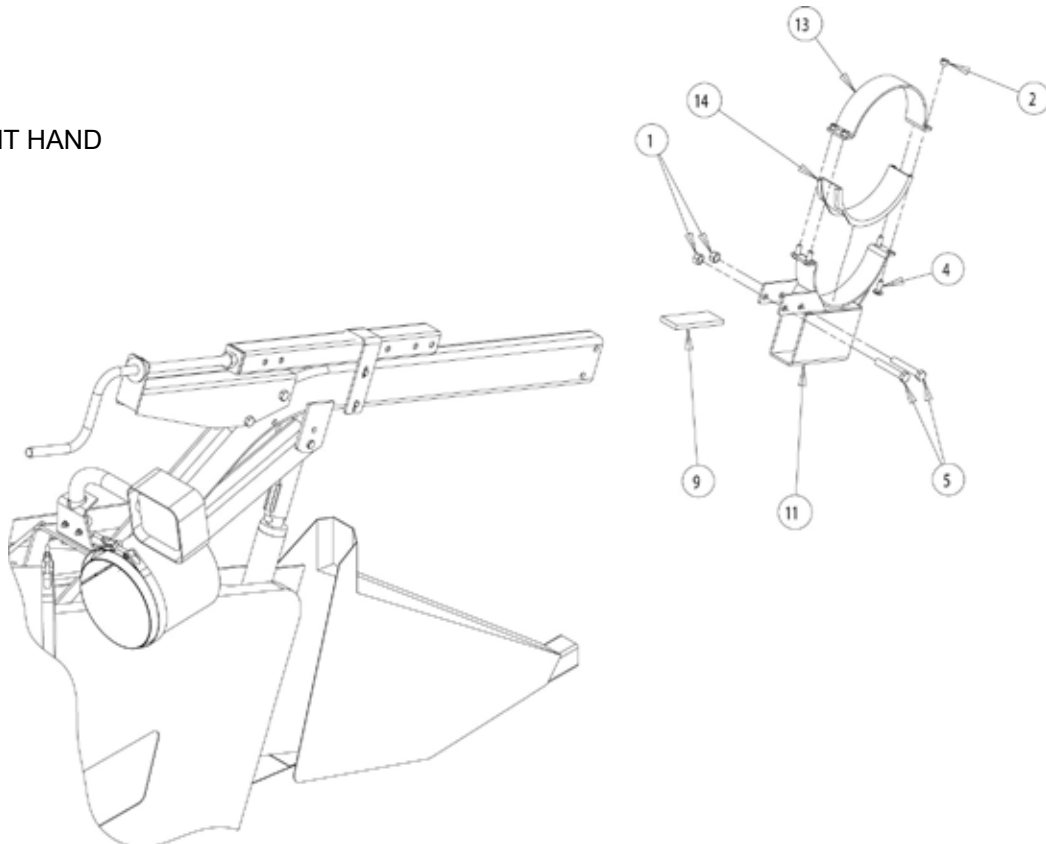


ASSEMBLY, ECCENTRIC ARM (22347)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	21976	RING, ECCENTRIC FAR	1
2	21550	ARM, REEL/ECCENTRIC	6
3	15300	BOLT, 5/16" X 5/8" HHCS GR5 ZP	24
4	15356	NUT, 5/16" NE NYLOCK ZP	48
5	17404	BASE, BEARING, PLASTIC	6
6	15403	BOLT, 5/16" X 1-3/4" HHCS GR5 ZP	6
7	12528	CAP, BEARING, PLASTIC	6
8	15030	WASHER, 1/4" FLAT ZP	12
9	15754-00	BOLT, 5/16" X 2-1/4" HCPS GR5	6
10	24318-12	SHIELD, END-6 BAT	1
11	15250	WASHER, 5/16" FLAT ZP	12
12	15219	BOLT, 5/16" X 1" HHCS NC GR5 ZP	12
13	21509	KIT, BEARING	6

LEFT HAND

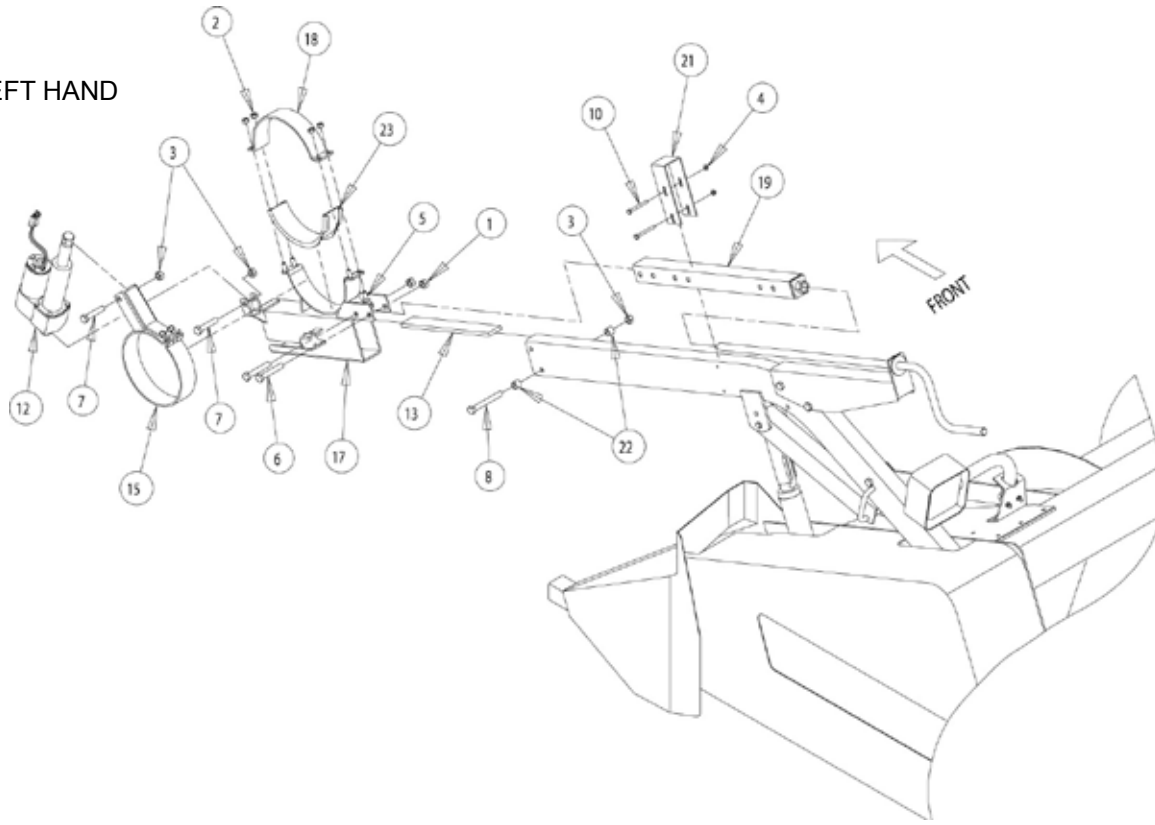


RIGHT HAND

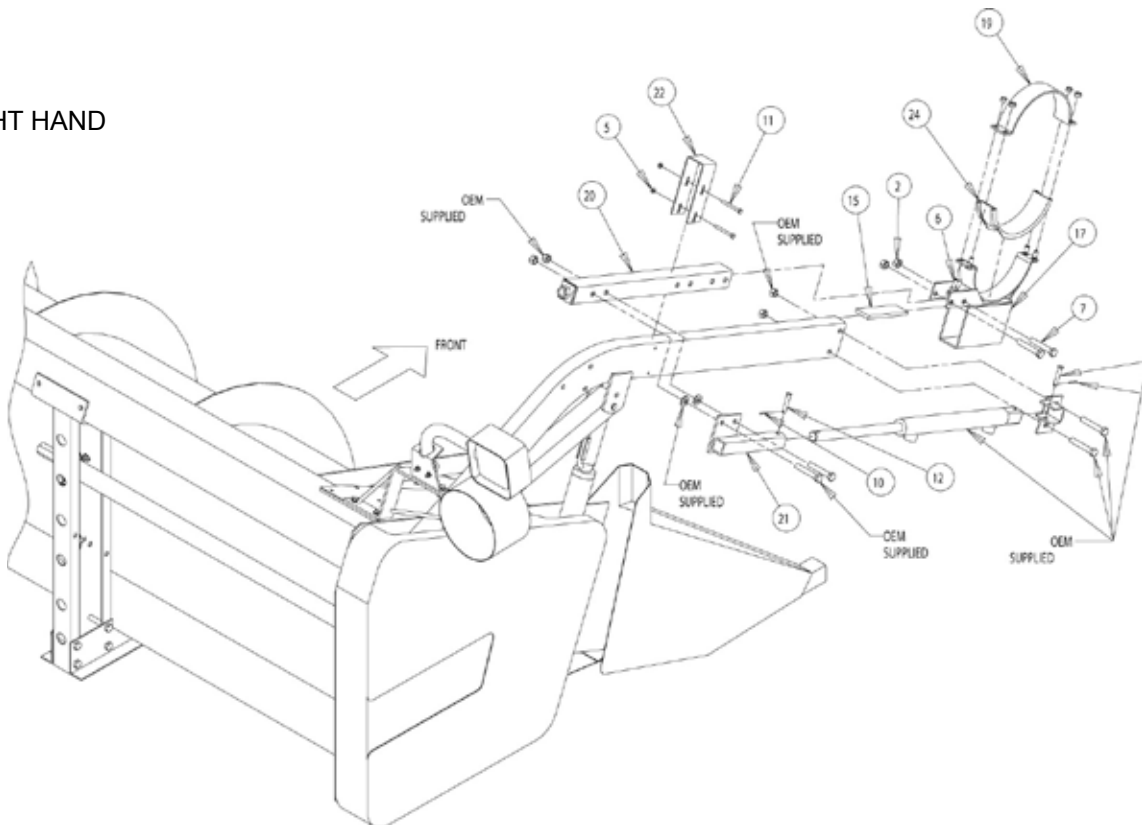


REEL ARM MOUNT KIT (CIH 1010/20 PRE 1995) (22254)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	15043	NUT, 1/2" HEX NC ZP	2
2	15047	NUT, 3/8" CENTERLOCK ZP	8
3	15049	NUT, 1/2" CENTERLOCK GRB ZP	2
4	15057	BOLT, 3/8" X 1" CARRIAGE NC GR5 ZP	8
5	15086	BOLT, 1/2" X 3" HHCS GR5 ZP	2
6	15092	BOLT, 1/2" X 2-1/2" HHCS GR5 ZP	2
7	17843	ACTUATOR, ELECTRIC	1
8	22260	PAD, REEL SUPPORT, LEFT HAND (CIH, DAC, NH)	1
9	22290	PAD, REEL SUPPORT, RIGHT HAND (CIH)	1
10	22479	ASSEMBLY, PIVOT CLAMP	1
11	22214	WELDMENT, REEL SUPPORT, RIGHT HAND (CIH 1010)	1
12	22220	WELDMENT, REEL SUPPORT, LEFT HAND (CIH 1010)	1
13	23501	CLAMP, HALF	2
14	22809	GUIDE, SADDLE	2

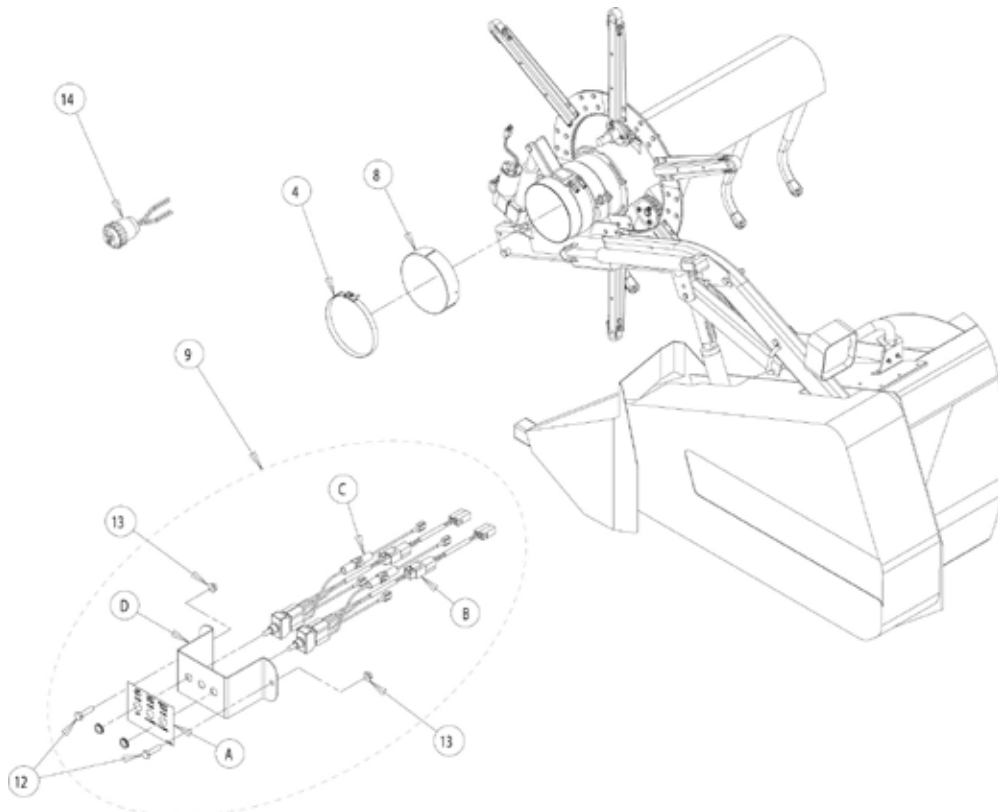
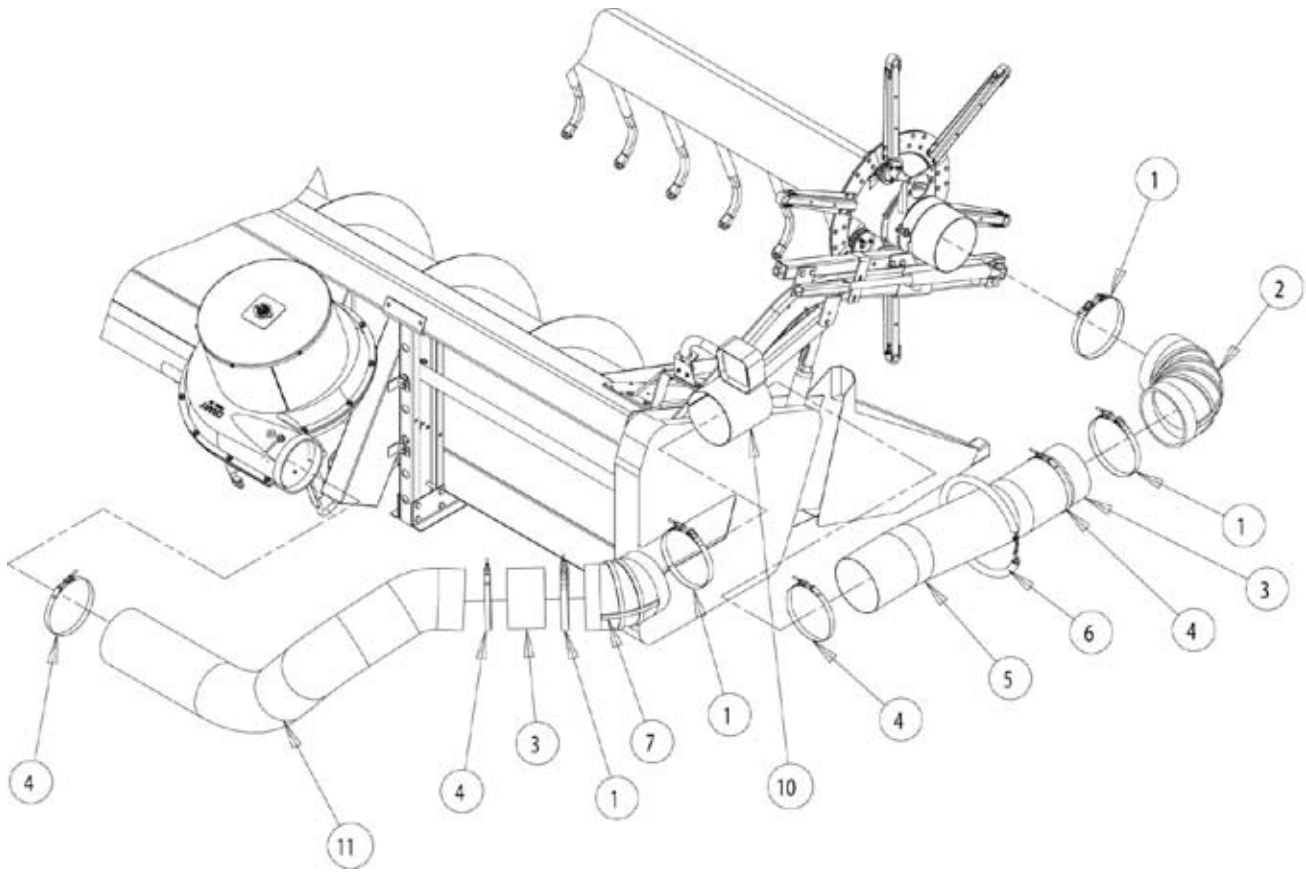
LEFT HAND



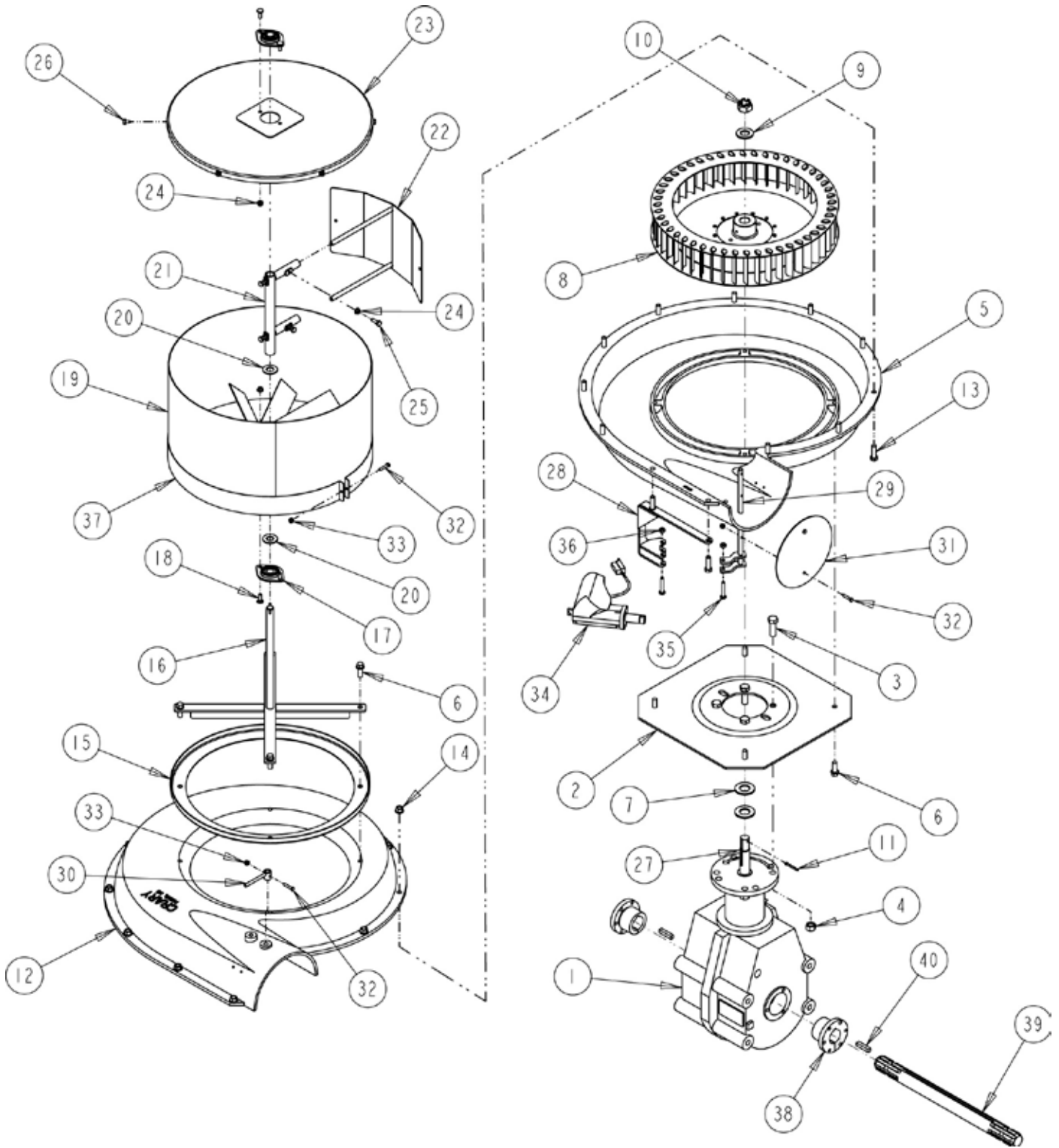
RIGHT HAND



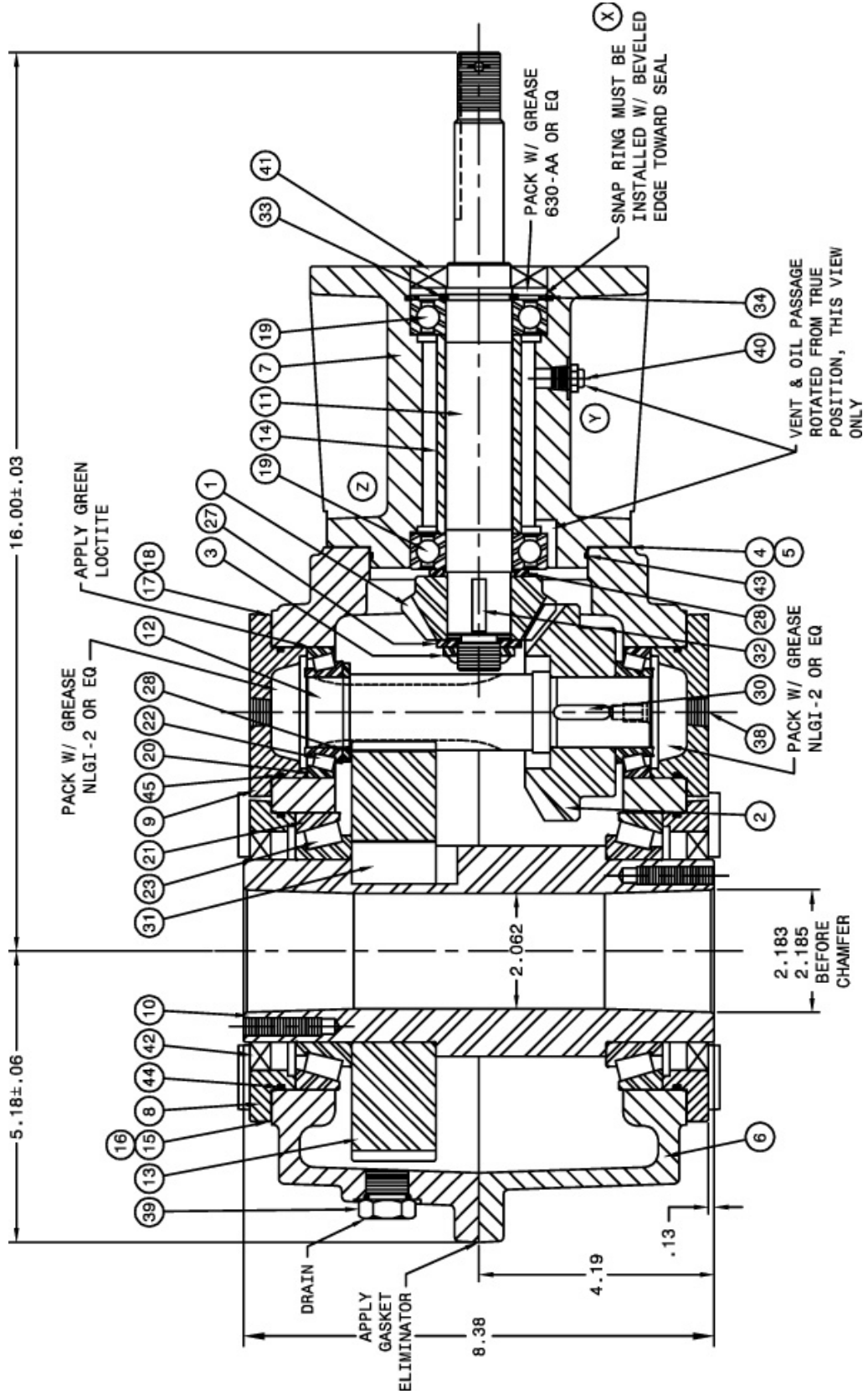
REEL ARM MOUNT KIT (CIH 1010/20 1995 & LATER) (24100)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	15043	NUT, 1/2" HEX NC ZP	4
2	15047	NUT, 3/8" CENTERLOCK ZP	8
3	15049	NUT, 1/2" CENTERLOCK GRB ZP	3
4	15053	NUT, 1/4"-20 SERRATED FLANGE NC ZP	4
5	15057	BOLT, 3/8" X 1" CARRIAGE NC GR5 ZP	8
6	15086	BOLT, 1/2" X 3" HHCS GR5 ZP	4
7	15092	BOLT, 1/2" X 2-1/2" HHCS GR5 ZP	2
8	15174	BOLT, 1/4" X 4" HHCS GR5 ZP	1
9	15375	PIN, 1/8" X 1.00" COTTER ZP	1
10	15464	BOLT, 1/4" X 2-1/2" HHCS GR5 ZP	4
11	16544	PIN, 3/8" X 2" LONG, CLEVIS	1
12	17843	ACTUATOR, ELECTRIC	1
13	22260	PAD, REEL SUPPORT, LEFT HAND (CIH, DAC, NH)	1
14	22290	PAD, REEL SUPPORT, RIGHT HAND (CIH)	1
15	22479	ASSEMBLY, PIVOT CLAMP	1
16	22214	WELDMENT, REEL SUPPORT, RIGHT HAND (CIH 1010)	1
17	22220	WELDMENT, REEL SUPPORT, LEFT HAND (CIH 1010)	1
18	23501	CLAMP, HALF	2
19	24095-11	WELDMENT, ADJUSTMENT TUBE	2
20	24098-11	WELDMENT, CYLINDER TUBE	1
21	24099-11	YOKE, REEL SUPPORT	2
22	70036	SPACER, .75" X .62"	2
23	22809	GUIDE, SADDLE	2



ASSEMBLY, FAN HOSE			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	16092	CLAMP, 8-11/16", T-BOLT	4
2	17437	ELBOW, 8", MANIFOLD	1
3	21512	BAND, ELBOW SUPPORT	2
4	16091	CLAMP, 8-1/4", T-BOLT	5
5	17410	HOSE, 8" ID X 6' LONG, FLEX	1
6	22806	ASSEMBLY, CHAIN, FLEX HOSE	1
7	12146	ELBOW, 5" X 45 DEGREE, RUBBER	1
8	21924	CAP, TUBE, 8" NOTCHED	1
9	24333	ASSEMBLY, SWITCH/MOUNT PLATE	1
A	12167	DECAL, ACTUATOR SWITCH	1
B	17849	ASSEMBLY, ELECTRIC SWITCH - SPLIT 6 AMP	1
C	17850	ASSEMBLY, ELECTRIC SWITCH - SPLIT 15 AMP	1
D	24332-12	PLATE, SWITCH MOUNT	1
10	24651-12	WELDMENT, HOSE CONNECTOR	1
11	17777	HOSE, 8" ID X 8' LONG, FLEX	1
12	15002	BOLT, 1/4" X 1" HHCS GR5 ZP	2
13	15053	NUT, 1/4" SERRATED FLANGE NC ZP	2
14	12506	HARNESS, ACTUATOR SWITCH ADAPTER	1

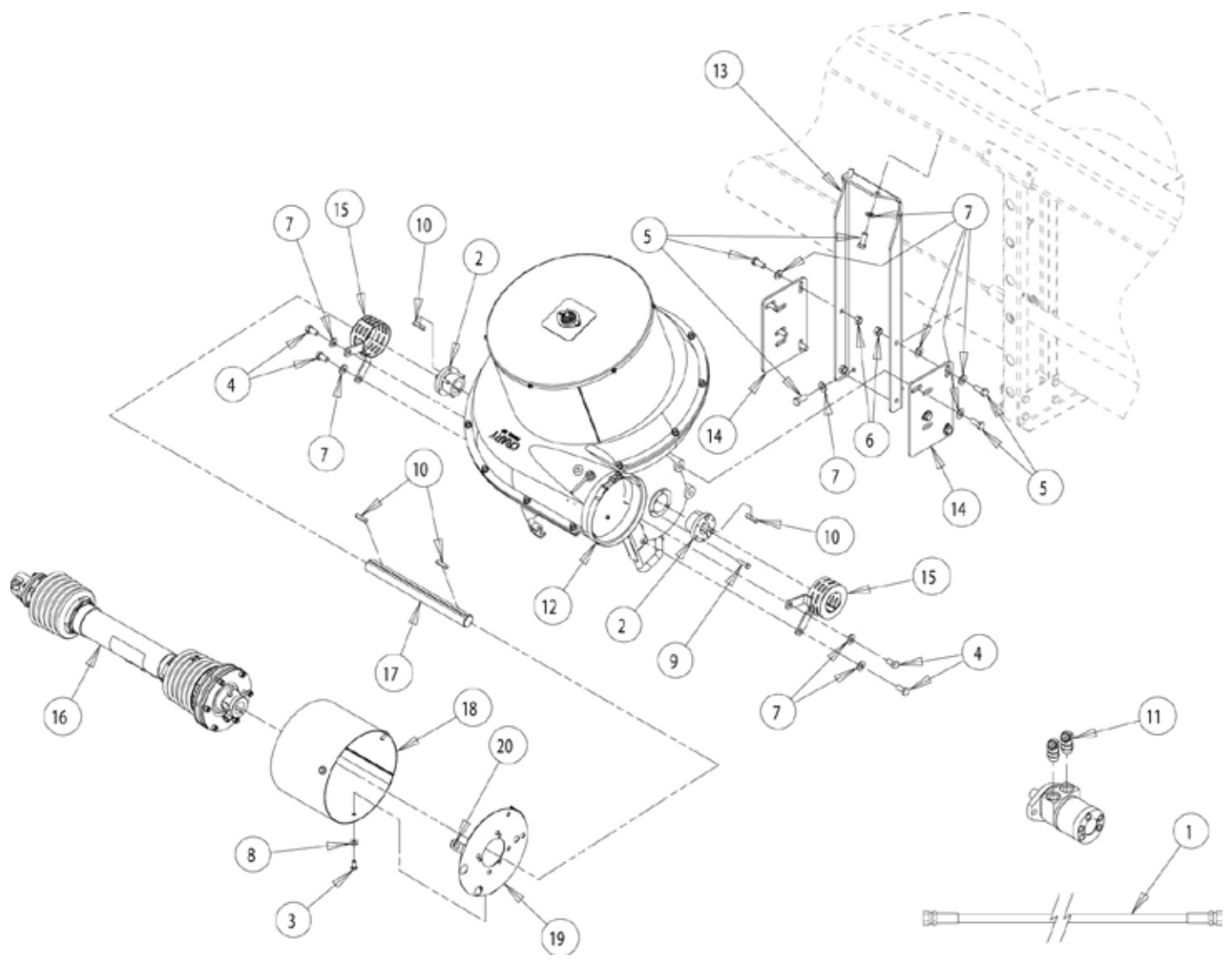


GEARBOX/FAN 9.375:1				
ITEM	PART NUMBER	DESCRIPTION	22760 QTY	29838-00 QTY
1	22327	GEARBOX, FAR 9.375:1	1	1
2	21445	HUB/MOTOR MOUNT PLATE (8 IN. -B PILOT)	1	1
3	15014	BOLT, 1/2 X 1-1/2 HEX HD	4	4
4	15049	NUT, 1/2 CENTERLOCK GRB ZP	4	4
5	21193	8" FAN RH SIDE W/ BUTTERFLY	1	1
6	15076	BOLT, 3/8 X 1 THREAD CUT	8	8
7	15099	WASHER, 7/8 SAE FLAT	2	2
8	14056-00	FAN ROTOR, 16.5" X 3" CW 7/8 STL.	1	1
9	15098	WASHER, 3/4 SAE FLAT	1	1
10	15055	NUT, SPINDLE CASTLE	1	1
11	15068	PIN, 5/32 X 1-1/4 COTTER	2	2
12	21194	8" FAN LH SIDE W/ BUTTERFLY	1	1
13	15364	BOLT, 3/8 NC X 1-1/4 HEX HD	12	12
14	15051	NUT, 3/8 SERR FLANGE	12	12
15	22655	BASE	1	1
16	23152	WELDMENT, BASE STRAP	1	1
17	16449	BEARING, 5/8" 2-BOLT FLNG.	2	2
18	15238	BOLT, 1/4 X 3/4" CRG	4	4
19	23161	WELDMENT, SCREEN/BLADE	1	1
20	15129	WASHER, 5/8 SAE FLAT	2	2
21	23155	WELDMENT, PIVOT	1	1
22	23158	WELDMENT, SCREEN CLEANER	1	1
23	23163	WELDMENT, SCREEN CAP	1	1
24	15053	NUT, 1/4 SERR FLANGE	8	8
25	15001	BOLT, 1/4 X 3/4 HEX HD	4	4
26	15095	SCREW, NO. 14 X 1/2" TAPPING HWH ZP	6	6
27	7022	KEYSTOCK, 3/16"	1	1
28	25644-12	WELDMENT, ACTUATOR MOUNT	1	1
29	25641-12	WELDMENT, VALVE ACTUATOR	1	1
30	25638-35	WELDMENT, INDICATOR	1	1
31	21444	PLATE, LARGE BUTTERFLY	1	1
32	15552	BOLT, #10-24 X 1 IN. GR8 HCPS PLAIN	4	4
33	15397	NUT, #10 X 24 NYLOCK	4	4
34	13460-00	ACTUATOR, 2" STROKE WARNER	1	1
35	15342	BOLT, 1/4 X 1-1/2" HCS G5 ZP	2	2
36	15087	NUT, 1/4" CENTERLOCK	2	2
37	25592-12	WRAP, ROTARY SCREEN	1	1
38	12457	BUSHING, 1-3/8 SD		2
	15282	BOLT, 5/16" X 1-1/2" GR5 HEX CPS ZP		2
39	29834-00	SHAFT, 1-3/8" 6 SPLINE STUB		1
40	15498	KEY, 5/16" X 1-3/4" SQ		2



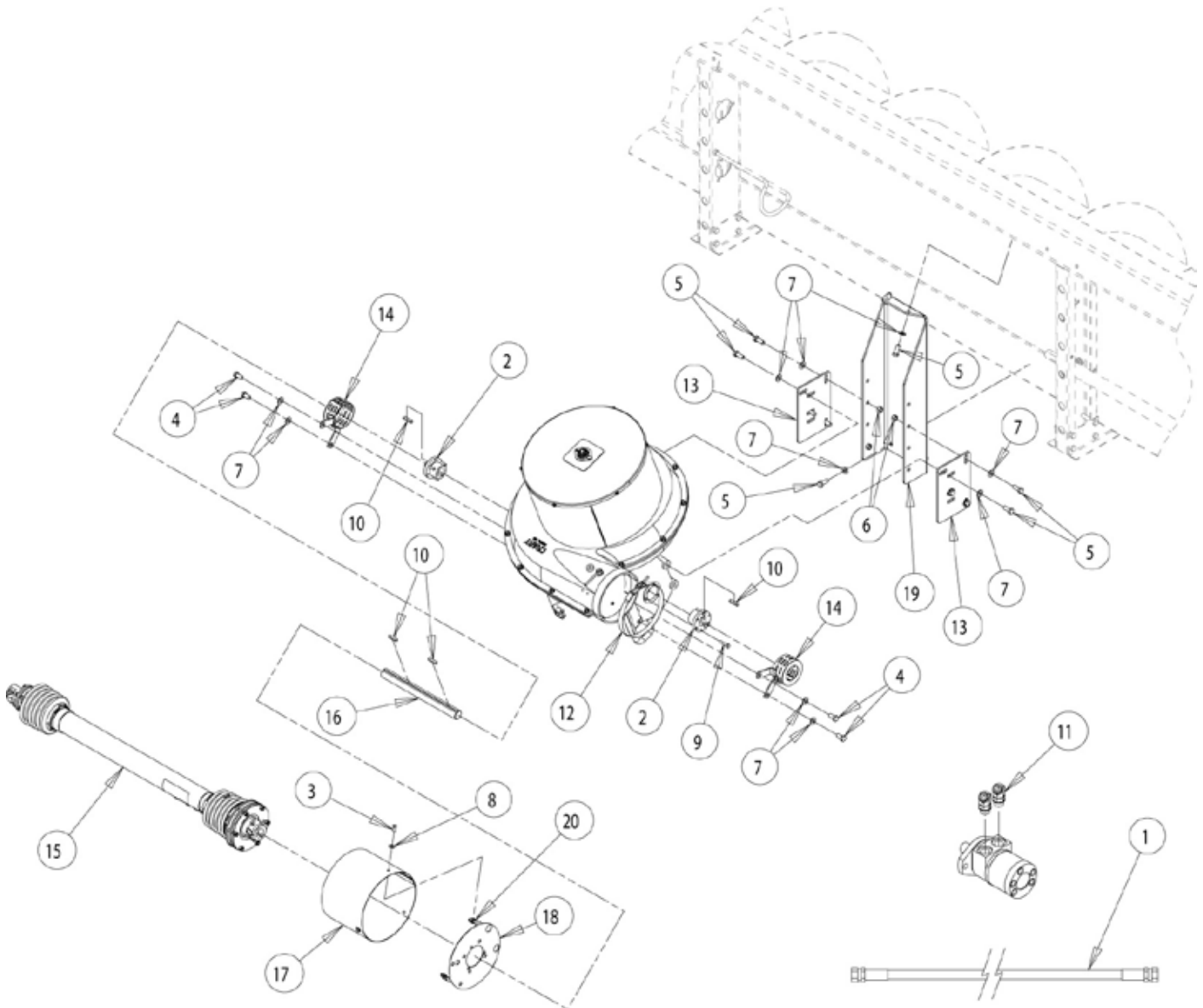
GEARBOX (REPLACEMENT PARTS) (22327)			
ITEM	PART NUMBER	DESCRIPTION	22327 9.375:1 QTY
1	16807	66 GEAR, SP BEV LH 19T	1
2	NPN	66 GEAR, SP BEV RH 29T	1
3	NPN	11 NUT, LOCK 3/4" NF	1
4	NPN	66 SHIM, .002 RED	2
5	NPN	66 SHIM, .005 BLUE	2
6	NPN	SPEC. HOUSING, SUB-ASSEMBLY	1
7	NPN	SPEC. HOUSING, PINION	1
8	NPN	SPEC. CAP, OPEN	2
9	NPN	SPEC. CAP, CLOSED	2
10	16821	SPEC. SLEEVE, INPUT	1
11	16820	SPEC. SHAFT, OUTPUT PINION	1
12	NPN	SPEC. GEAR INTG HEL LH 14T	1
13	NPN	SPEC. GEAR, HEL RH 86T	1
14	NPN	SPEC. SPACER	1
15	NPN	SPEC. SHIM, .002 RED	4
16	NPN	SPEC. SHIM, .005 BLUE	4
17	NPN	SPEC. SHIM, .002 RED	4
18	NPN	SPEC. SHIM, .005 BLUE	4
19	16815	BEARING, BALL 206NPP OR EQUIVALENT	2
20	0201-0077-00	BEARING, 2.328 X .465 CUP	2
21	16817	BEARING, CUP 27620 OR EQUIVALENT	2
22	0201-0078-00	BEARING, 1.250 X .660 CONE	2
23	16819	BEARING, CONE 27687 OR EQUIVALENT	2
24	NPN	SCREW, 3/8" X 1" NC HHCS GR5	4
25	NPN	SCREW, 5/16" X 1" NC HHCS GR5	20
26	NPN	SCREW, 3/8" X 1-1/4" NC HHCS GR5	8
27	NPN	WASHER, 3/4" X 1-1/2" X 1/8"	1
28	NPN	WASHER, 1-17/64" X 1-3/4" X 1/8"	2
29	NPN	NUT, 3/8" NC HEX	8
30	NPN	KEY, 1/4" SQUARE X 15/16" P&W	1
31	NPN	KEY, 3/4" SQUARE X 1-1/2" SQUARE END	1
32	NPN	KEY, 1/4" X 1" WOODRUFF	1
33	16814	RING, RETAINING 5160-118	1
34	NPN	RING, BEVELED RETAINING N5002-244	1
35	NPN	OIL, MOBILUBE SHC 75W-90	40
36	NPN	PLATE, NAME, CRARY	1
37	NPN	PAINT, FLAT BLACK	5.120
38	NPN	PLUG, PIPE SOCKET 1/4 NPT	2
39	NPN	PLUG, PIPE 1/2" O-RING BOSS	3
40	NPN	PLUG, VENTED 1/8 NPT, 1-5 PSI BALL	1
41	16625	SEAL, 472681 OR EQUIVALENT	1
42	16624	SEAL, 32395 OR EQUIVALENT	2
43	NPN	O-RING, -044	1
44	NPN	O-RING, -158	2
45	NPN	O-RING, -138	2
46	NPN	SCREW, 5/16" X 3/4" NC HHCS GR5	1
47	NPN	TAG, LUBRICATION	1
	16125	GEAROX SEAL AND SHIM KIT (NOT SHOWN)	1
	16621	GEARBOX GEAR KIT (9.375:1)	1

KIT # 22672, GEARBOX MOUNT/DRIVE (CIH PRE 95 15'-22.5')
KIT # 24044, RIGHT HAND DRIVE KIT (CIH PRE 93 15'-20')
KIT # 24045, RIGHT HAND DRIVE KIT (CIH PRE 93 22.5'-30')



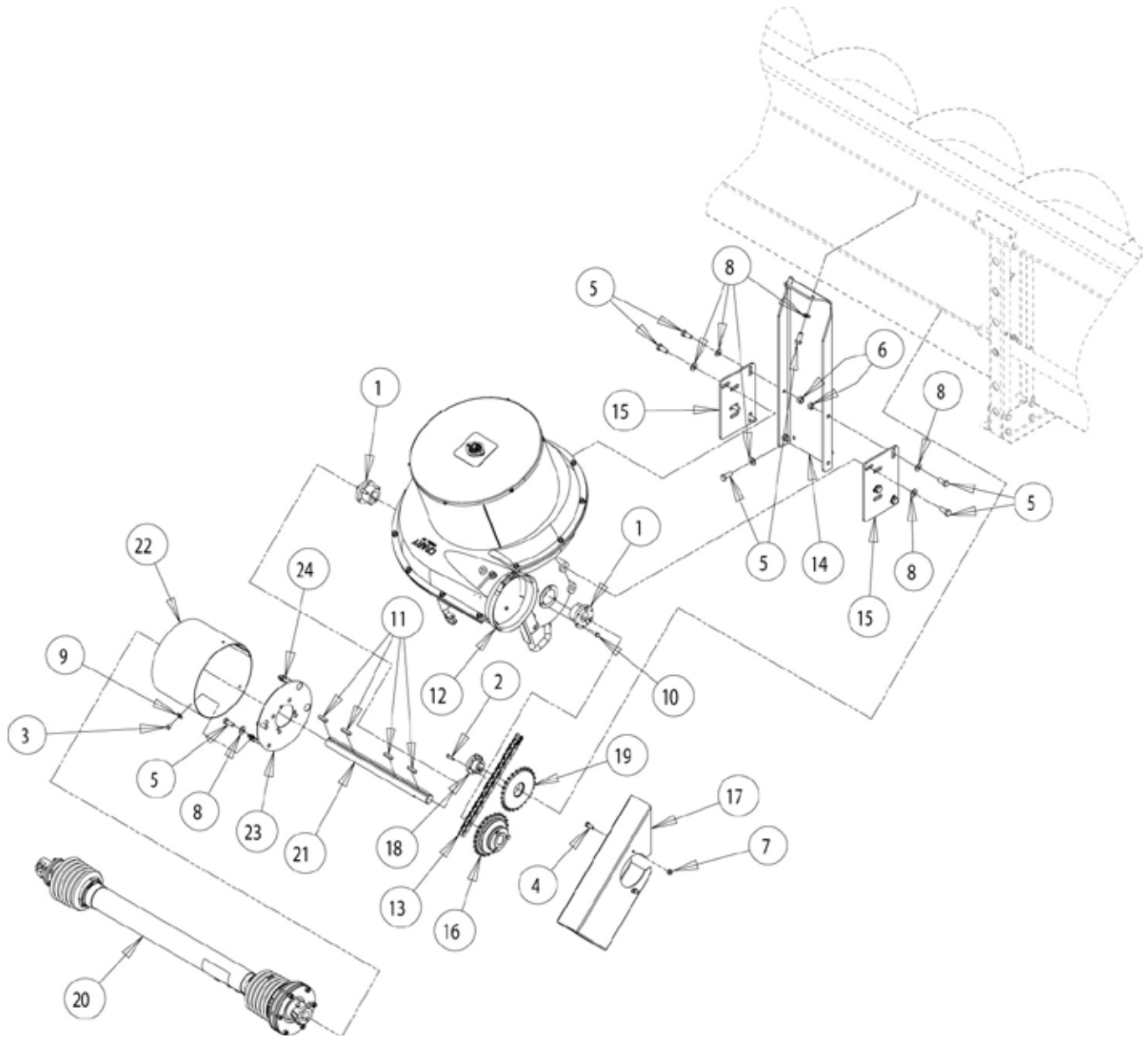
GEARBOX MOUNT & RIGHT HAND DRIVE (PRE 93)				
ITEM	PART NUMBER	DESCRIPTION	15-20 FT QTY	22.5 FT QTY
1	12310	ASSEMBLY, HYDRAULIC HOSE, 2X-8FMJICSW (72")	2	2
2	12457	BUSHING, SD 1-3/8"	2	2
3	15003	BOLT, 5/16" X 3/4" HHCS GR5 ZP	3	3
4	15012	BOLT, 1/2" X 1" HHCS GR5 ZP	4	4
5	15013	BOLT, 1/2" X 1-1/4" HHCS NC GR5 ZP	12	12
6	15049	NUT, 1/2" CENTERLOCK GRB ZP	4	4
7	15097	WASHER, 1/2" SAE FLAT ZP	16	16
8	15250	WASHER, 5/16" FLAT ZP	3	3
9	15282	BOLT, 5/16" X 1-1/2" HHCS GR5 ZP	6	6
10	15498	KEY, 5/16" SQUARE X 1-1/2"	3	3
11	16067	ADAPTER, -10MORING/-8MJIC 45 DEGREE	2	2
12	16091	CLAMP, 8-1/4" T-BOLT	2	2
13	22623	PLATE, MOUNT SUPPORT CIH 1010-1020	1	1
14	22624	PLATE, GEARBOX MOUNT CIH 1010-1020	2	2
15	22696	WELDMENT, SHIELD	2	2
16	24027	ASSEMBLY, DRIVELINE/C FLANGE-S (1-1/8") (15'-20') (SEE PAGE 56-57)	1	
	24028	ASSEMBLY, DRIVELINE/C FLANGE-L (1-1/8") (22.5') (SEE PAGE 56-57)		1
17	24036	SHAFT, GEARBOX DRIVE	1	1
18	24037-12	SHIELD, SLIP CLUTCH	1	1
19	24039	ASSEMBLY, SHIELD MOUNT PLATE	1	1
20	15402	NUT, 5/16" TINNEMAN, U-TYPE	3	3

KIT # 24043, GEARBOX MOUNT/DRIVE KIT (CIH 95+ 15'-22', ALL 25'-30')
KIT # 24045, RIGHT HAND DRIVE (CIH PRE 93 22.5'-30')



GEARBOX MOUNT & RIGHT HAND DRIVE PRE 93 (25FT - 30FT)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	12310	ASSEMBLY, HYDRAULIC HOSE, 2X-8FMJICSW (72")	2
2	12457	BUSHING, SD 1-3/8"	2
3	15003	BOLT, 5/16" X 3/4" HHCS GR5 ZP	3
4	15012	BOLT, 1/2" X 1" HHCS GR5 ZP	2
5	15013	BOLT, 1/2" X 1-1/4" HHCS NC GR5 ZP	14
6	15049	NUT, 1/2" CENTERLOCK GRB ZP	4
7	15097	WASHER, 1/2" SAE FLAT ZP	18
8	15250	WASHER, 5/16" FLAT ZP	3
9	15282	BOLT, 5/16" X 1/2" HHCS GR5 ZP	6
10	15498	KEY, 5/16" SQUARE X 1-1/2"	3
11	16067	ADAPTER, -10MORING/-8MJIC 45 DEGREE	2
12	16091	CLAMP, 8-1/4" T-BOLT	2
13	22624	PLATE, GEARBOX MOUNT, CIH 1010-1020	2
14	22696	WELDMENT, SHIELD	2
15	24028	ASSEMBLY, DRIVELINE/C FLANGE-L (1-1/8") (SEE PAGES 56-57)	1
16	24036	SHAFT, GEARBOX DRIVE	1
17	24037-12	SHIELD, SLIP CLUTCH	1
18	24039	ASSEMBLY, SHIELD MOUNT PLATE	1
19	24042-12	MOUNT PLATE SUPPORT, CIH 1010-1020	1
20	15402	NUT, 5/16" TINNEMAN, U-TYPE	3

KIT # 22672, GEARBOX MOUNT/DRIVE KIT (CIH PRE 95 15'-22.5')
KIT # 24047, RIGHT HAND DRIVE KIT (CIH 93/94 15'-20')
KIT # 24048, RIGHT HAND DRIVE KIT (CIH 93/94 22.5')

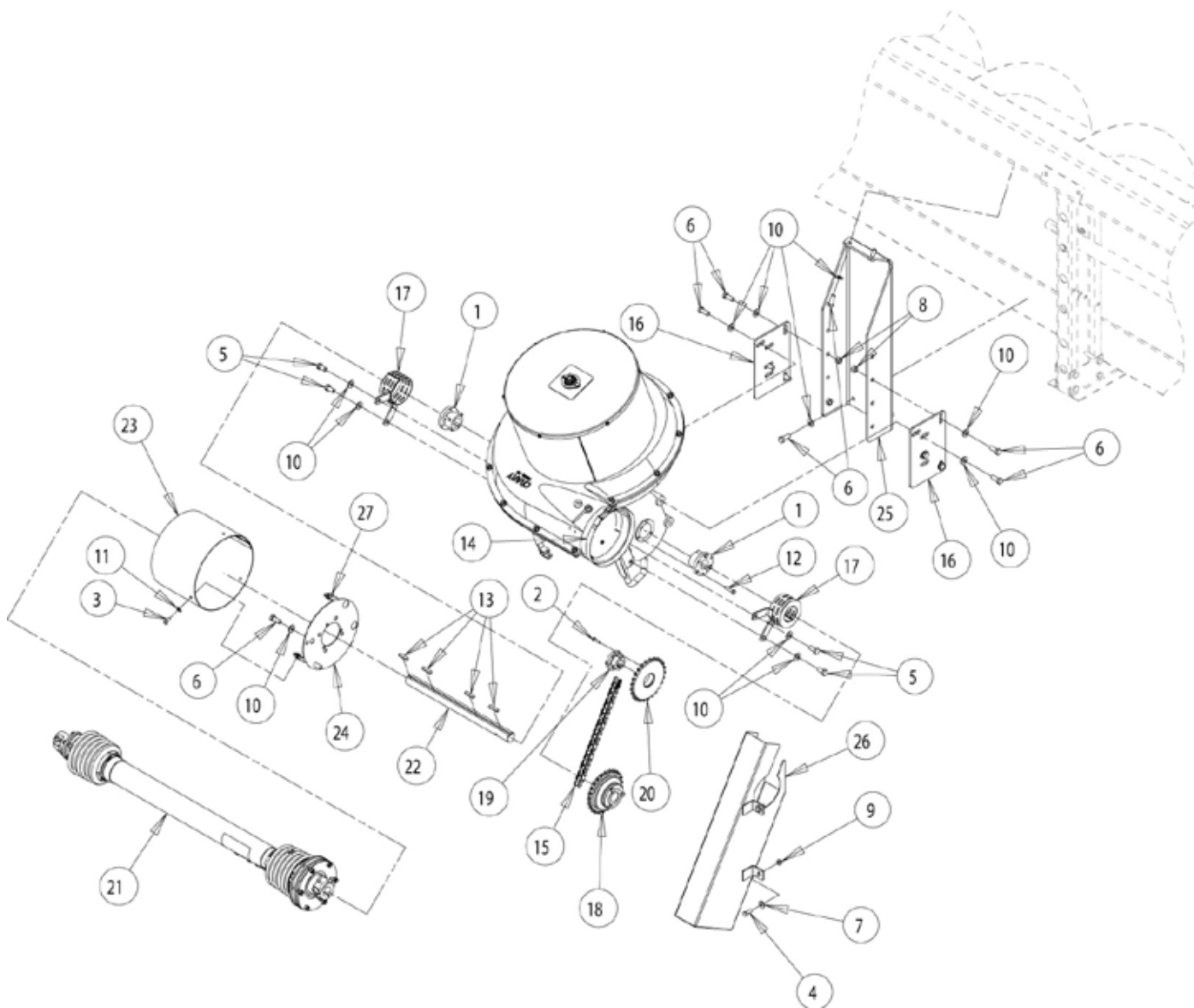


GEARBOX MOUNT & RIGHT HAND DRIVE (1993-1994)				
ITEM	PART NUMBER	DESCRIPTION	15-20 FT QTY	22.5 FT QTY
1	12457	BUSHING, 1-3/8" SD	2	2
2	15002	BOLT, 1/4" X 1" HHCS GR5 ZP	3	3
3	15003	BOLT, 5/16" X 3/4" HHCS GR5 ZP	1	1
4	15006	BOLT, 3/8" X 1" HHCS GR5 ZP	2	2
5	15013	BOLT, 1/2" X 1-1/4" HHCS NC GR5 ZP	14	12
6	15049	NUT, 1/2" CENTERLOCK GRB ZP	21	21
7	15051	NUT, 3/8" SERRATED FLANGE NC ZP	5	5
8	15097	WASHER, 1/2" SAE FLAT ZP	13	13
9	15250	WASHER, 5/16" FLAT ZP	1	1
10	15282	BOLT, 5/16" X 1-1/2" HHCS GR5 ZP	6	6
11	15402	NUT, 5/16" TINNERMAN, U-TYPE	3	3
12	15498	KEY, 5/16" SQUARE X 1-3/4"	4	4
13	16091	CLAMP, 8-1/4" T-BOLT	1	1
14	16490	CHAIN, #60 X 43"	1	1
15	22623	SUPPORT, MOUNT PLATE (CIH 1010/1020)	1	1
16	22624	PLATE, GEARBOX MOUNT (CIH 1010/1020)	2	2
17	23229	ASSEMBLY, TORQUE LIMITER CLUTCH (SEE PG. 60)	1	1
18	23240	SHIELD, CHAIN DRIVE	1	1
19	23903	BUSHING, SH 1-1/8" HEX	1	1
20	23904	WELDMENT, SPROCKET/HUB	1	1
21	24027	ASSEMBLY, DRIVELINE/C FLANGE-S (1-1/8" HEX) (SEE PG. 56 - 57)	1	
	24028	ASSEMBLY, DRIVELINE/C FLANGE-L (1-1/8" HEX) (SEE PG. 56 - 57)		1
22	24035	SHAFT, GEARBOX DRIVE	1	1
23	24037-12	SHIELD, SLIP CLUTCH	1	1
24	24039	ASSEMBLY, SHIELD MOUNT PLATE	1	1

KIT # 24043, GEARBOX MOUNT/DRIVE KIT (CIH 95+ 15'-22', ALL 25'-30')

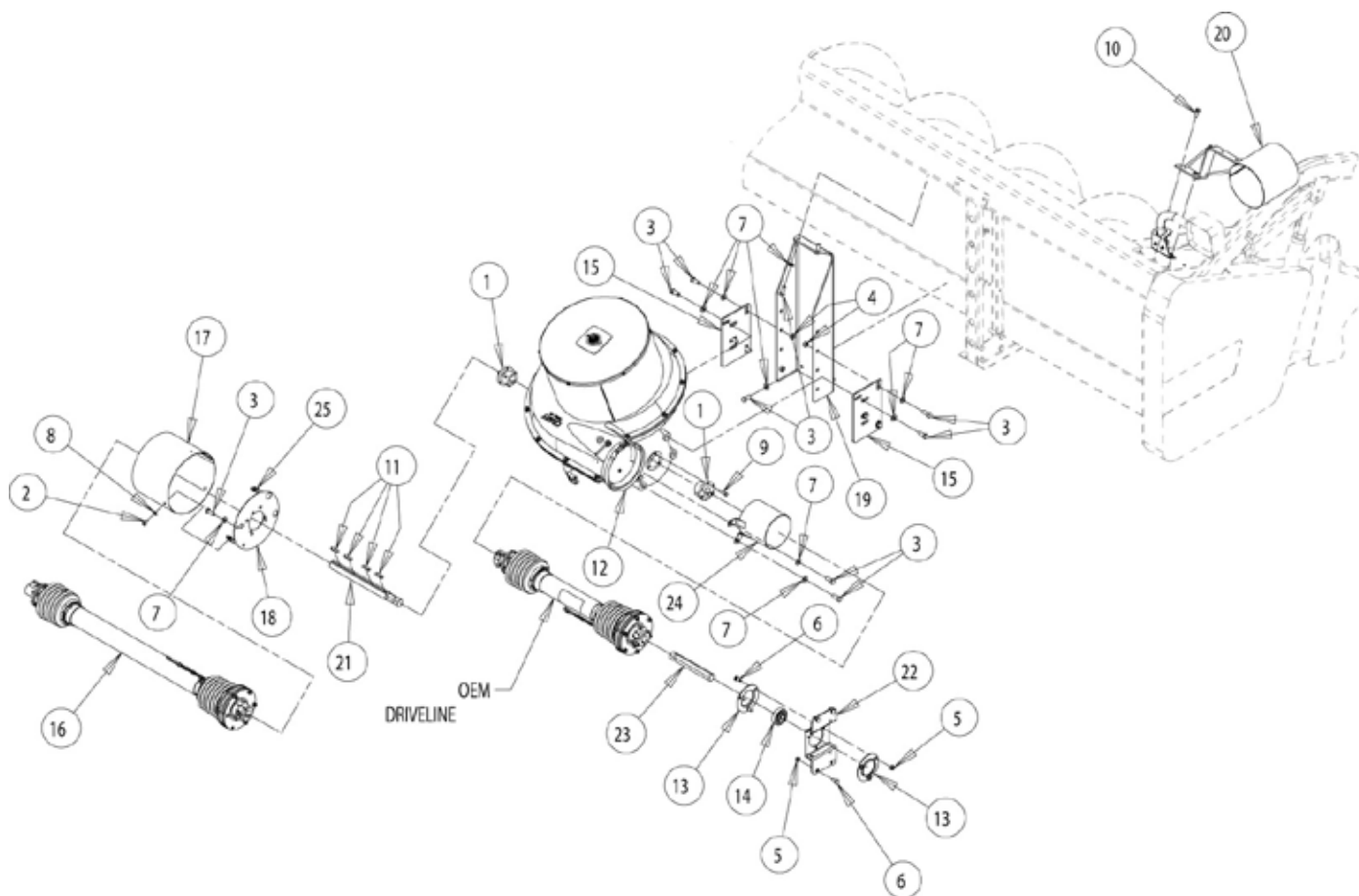
KIT # 24049, RIGHT HAND DRIVE KIT (CIH 1995 15'-20')

KIT # 24050, RIGHT HAND DRIVE KIT (CIH 95 & LATER 22.5')(CIH 93/94 22.5')

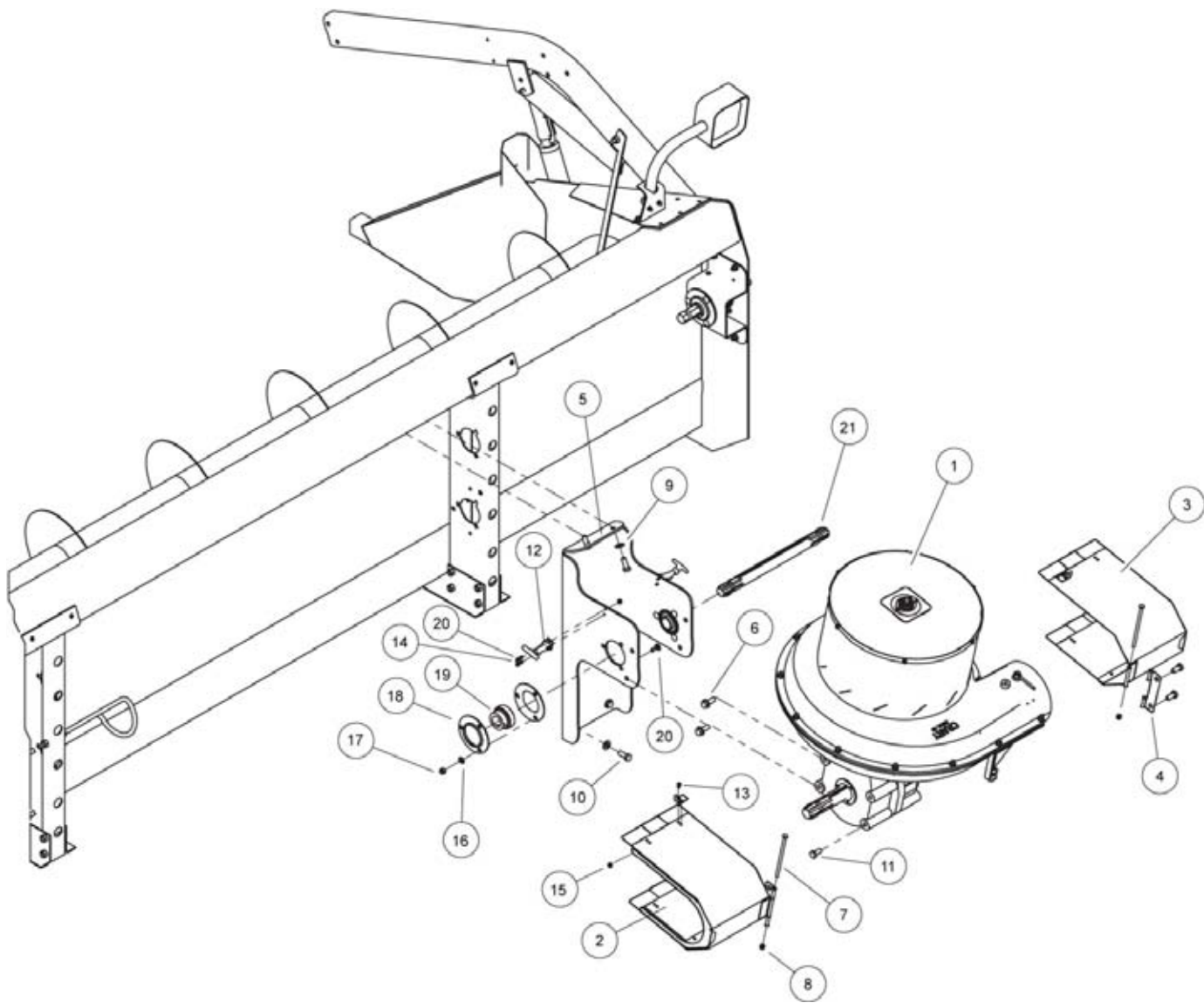


GEARBOX MOUNT & RIGHT HAND DRIVE (1995 AND LATER)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	12457	BUSHING, 1-3/8" SD	2
2	15002	BOLT, 1/4" X 1" HHCS GR5 ZP	3
3	15003	BOLT, 5/16" X 3/4" HHCS GR5 ZP	3
4	15006	BOLT, 3/8" X 1" HHCS GR5 ZP	2
5	15012	BOLT, 1/2" X 1" HHCS GR5 ZP	4
6	15013	BOLT, 1/2" X 1-1/4" HHCS NC GR5 ZP	14
7	15031	WASHER, 3/8" FLAT ZP	2
8	15049	NUT, 1/2" CENTERLOCK GRB ZP	21
9	15051	NUT, 3/8" SERRATED FLANGE NC ZP	5
10	15097	WASHER, 1/2" SAE FLAT ZP	17
11	15250	WASHER, 5/16" FLAT ZP	3
12	15282	BOLT, 5/16" X 1-1/2" HHCS GR5 ZP	6
13	15498	KEY, 5/16" SQUARE X 1-1/2"	4
14	16091	CLAMP, 8-3/8" T-BOLT	1
15	16947	CHAIN, #60 X 67	1
16	22624	PLATE, GEARBOX MOUNT (CIH 1010/1020)	2
17	22696	WELDMENT, SHIELD	2
18	23229	ASSEMBLY, TORQUE LIMITER CLUTCH (SEE PAGE 60)	1
19	23903	BUSHING, SH 1-1/8" HEX	1
20	23904	WELDMENT, SPROCKET/HUB	1
21	24027	ASSEMBLY, DRIVELINE/C FLANGE-S (1-1/8" HEX) (15'-20') (SEE PAGE 56-57)	1
	24028	ASSEMBLY, DRIVELINE/C-FLANGE-L (1-1/8" HEX) (22.5') (SEE PAGE 56-57)	1
22	24035	SHAFT, GEARBOX DRIVE	1
23	24037-12	SHIELD, SLIP CLUTCH	1
24	24039	ASSEMBLY, SHIELD MOUNT PLATE	1
25	24042-12	SUPPORT, MOUNT PLATE (CIH 1010/1020)	1
26	24111-12	WELDMENT, CHAIN DRIVE SHIELD	1
27	15402	NUT, 5/16" TINNERMAN, U-TYPE	3

KIT # 24043, GEARBOX MOUNT/DRIVE KIT (CIH 95+ 15'-22', ALL 25/30)
KIT # 25763, RIGHT HAND DRIVE KIT (CIH 93 & LATER 25'-30')

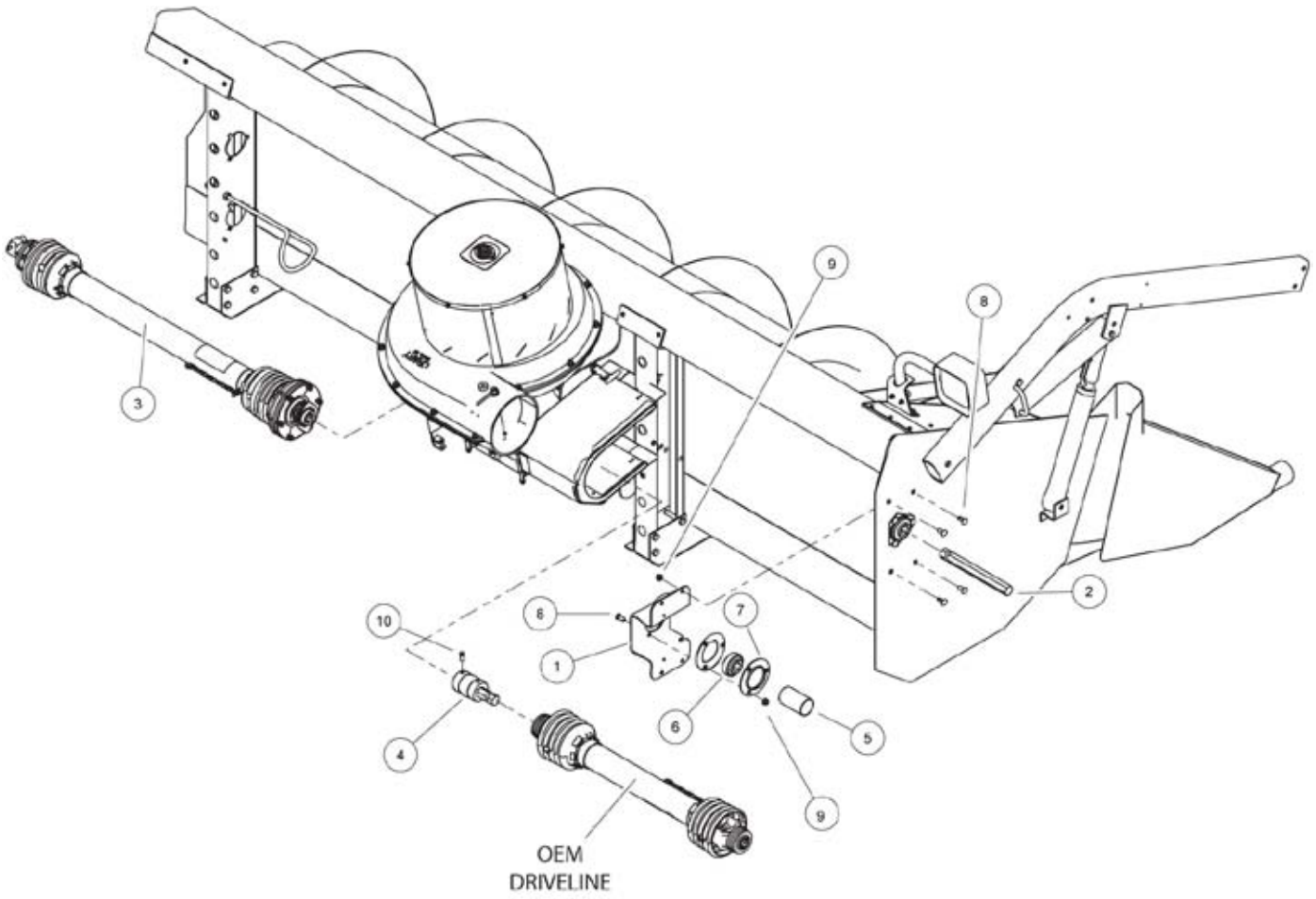


GEARBOX MOUNT AND RIGHT HAND DRIVE 93-LATER, (25' & 30')			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	12457	BUSHING, 1-3/8" SD	2
2	15003	BOLT, 5/16" X 3/4" HHCS GR5 ZP	3
3	15013	BOLT, 1/2" X 1-1/4" HHCS NC GR5 ZP	15
4	15049	NUT, 1/2" CENTERLOCK GRB ZP	21
5	15051	NUT, 3/8" SERRATED FLANGE NC ZP	10
6	15057	BOLT, 3/8" X 1" CARRIAGE NC GR5 ZP	10
7	15097	WASHER, 1/2" SAE FLAT ZP	15
8	15250	WASHER, 5/16" FLAT ZP	3
9	15282	BOLT, 5/16" X 1-1/2" HHCS GR5 ZP	6
10	15382	BOLT, 3/8" X 1" SERRATED FLANGE NC GR5 ZP	4
11	15498	KEY, 5/16" SQUARE X 1-3/4"	3
12	16091	CLAMP, 8-1/4", T-BOLT	1
13	17060	FLANGETTE, 72MS RND 3 BIT, 1-3/8" ZP	2
14	17062	BEARING, 1-1/8" HEX 207 KRRB9	2
15	22624	PLATE, GEARBOX MOUNT (CIH 1010/1020)	2
16	24028	ASSEMBLY, DRIVELINE/C-FLANGE-L (1-1/8" HEX) (SEE PAGES 56-57)	1
17	24037-12	SHIELD, SLIP CLUTCH	1
18	24039	ASSEMBLY, SHIELD MOUNT PLATE	1
19	24042-12	SUPPORT, MOUNT PLATE (CIH 1010/1020)	1
20	24651-12	WELDMENT, HOSE CONNECTOR	1
21	25756-00	SHAFT, GEARBOX DRIVE	1
22	25757-12	BRACKET, BEARING MOUNT	1
23	25758-00	SHAFT, RIGHT HAND DRIVE	1
24	25762-12	WELDMENT, SHIELD	1
25	15402	NUT 5/16"-18 TINNERMAN U-TYPE	3

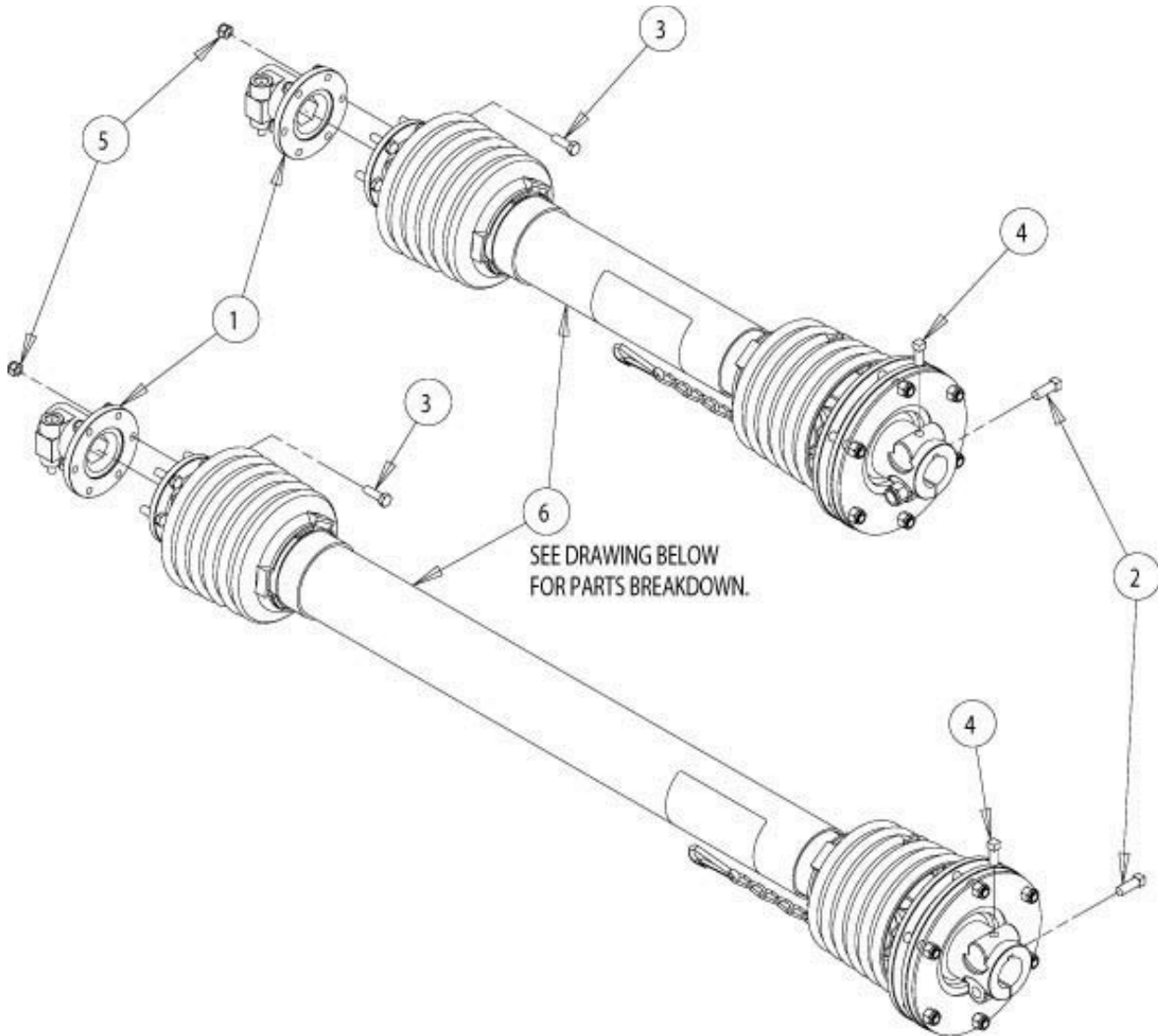


GEARBOX MOUNT KIT (29873)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	29838-00	RH GEARBOX/FAN (9.375:1) (SEE PAGES 38-39)	1
2	29833-12	GBOX DRIVE LH SHIELD	1
3	29832-12	GBOX DRIVE RH SHIELD	1
4	29831-12	HINGE, SHIELD	2
5	29817-12	GEARBOX MT. WELDMENT	1
6	15612	BOLT, 1/2 X 1-1/4" SERRATED FLANGE	4
7	15390	BOLT, 5/16 NC X 6-1/2" GR5 HCS ZP	2
8	15356	NUT, 5/16" NE NYLOCK ZP	2
9	15097	WASHER, 1/2" SAE FLAT ZP	4
10	15013	BOLT, 1/2 X 1-1/4" GR5 HHCS NC ZP	4
11	15012	BOLT, 1/2 X 1" GR5 HEX CAPSCREW ZP	4
12	0125-0060-00	LATCH, FLEXIBLE DRAW	2
13	15423	SCW, MCH 10-24 X 1/2" PAN HD, PH ZP	4
14	15557	BOLT, 10-24 X 3/4" HHCS G8 PLAIN	4
15	15397	NUT, 10/24 NYLOCK TYPE NM, ZP	8

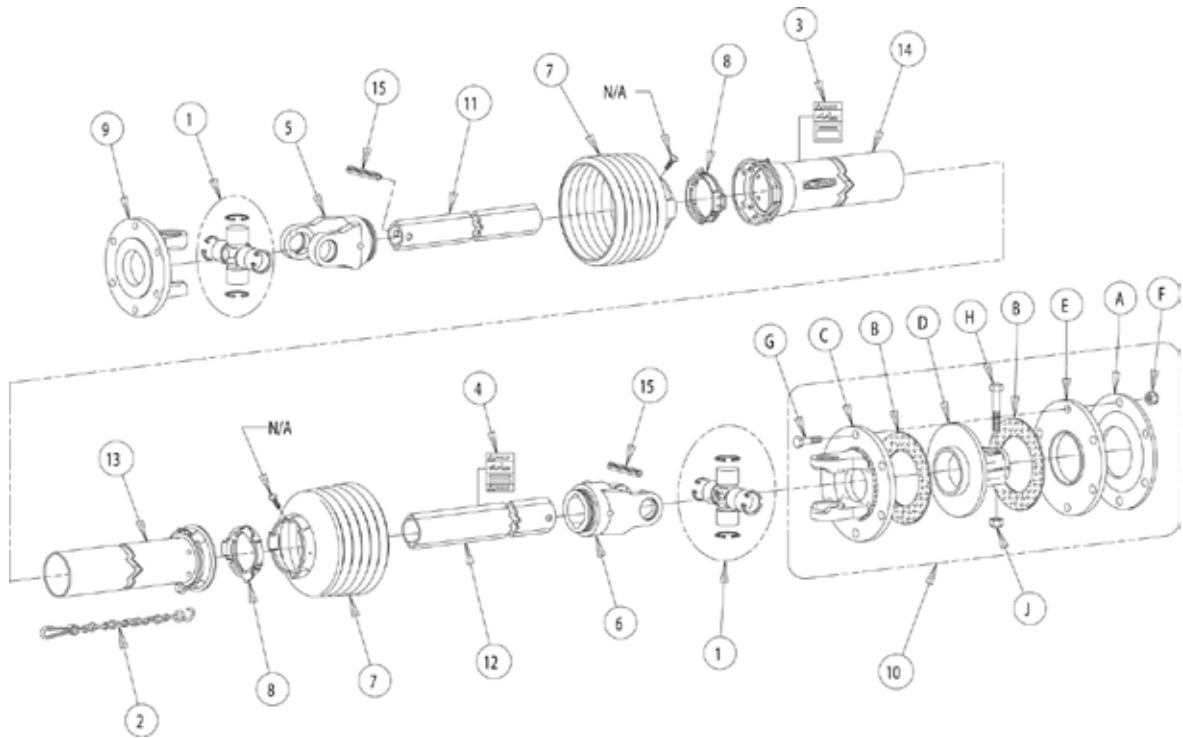
OPTIONAL NEUTRAL DRIVE SHAFT KIT (29884)			
ITEM	PART NUMBER	DESCRIPTION	QTY
16	15260	WASHER, 3/8" SAE FLAT	6
17	15388	NUT, 3/8" NYLOCK	6
18	17060	FLANGETTE, 72MSI 1-3/8"	4
19	17059	BEARING, 1-3/8" ROUND BORE	2
20	15057	BOLT, 3/8 X 1" CRG	6
21	29834-00	SHAFT, 1-3/8" S SPLINE STUB	1



DRIVE KIT ASSEMBLY (29871)			
ITEMS	PART NUMBERS	DESCRIPTION	QTY
1	29866-12	BRACKET, BEARING MOUNT	1
2	29865-00	SHAFT, CIH 10250 RH DRIVE	1
3	29859-00	DLINE/CFLNG-L (1-1/8" HEX) (SEE PAGES 58-59)	1
4	29851-12	SPLINE/HEX ADAPTER WELDMENT	1
5	29196-00	SHIELD, DRIVE SHAFT (3.65")	1
6	17062	BEARING, 1-1/8 HEX 207 KRRB9	1
7	17060	FLANGETTE, 72MS RND 3 BIT, ZP	2
8	15057	BOLT, CARR 3/8 X 1" GR5 NC ZP	7
9	15051	NUT, 3/8" SERRATED FLANGE NC ZP	7
10	15256	SCREW, 3/8 X 3/4" SQ HD SET ZP	1



DRIVELINE/C-FLANGE ASSEMBLY (SHORT & LONG)				
ITEM	PART NUMBER	DESCRIPTION	24027 SHORT QTY	24028 LONG QTY
1	13911-00	COUNTER FLANGE, 1-1/8", HEX, W/QD	1	1
2	15070	SCREW, 3/8" X 1" SQUARE HEAD SET	1	1
3	15219	BOLT, 5/16" X 1" HHCS NC GR5 ZP	6	6
4	15256	SCREW, 3/8" X 3/4" SQUARE HEAD SET ZP	1	1
5	15356	NUT, 5/16" NE NYLOCK ZP	6	6
6	16934	HEADER DRIVELINE W/CLUTCH (S)	1	
	16935	HEADER DRIVELINE W/CLUTCH (L)		1

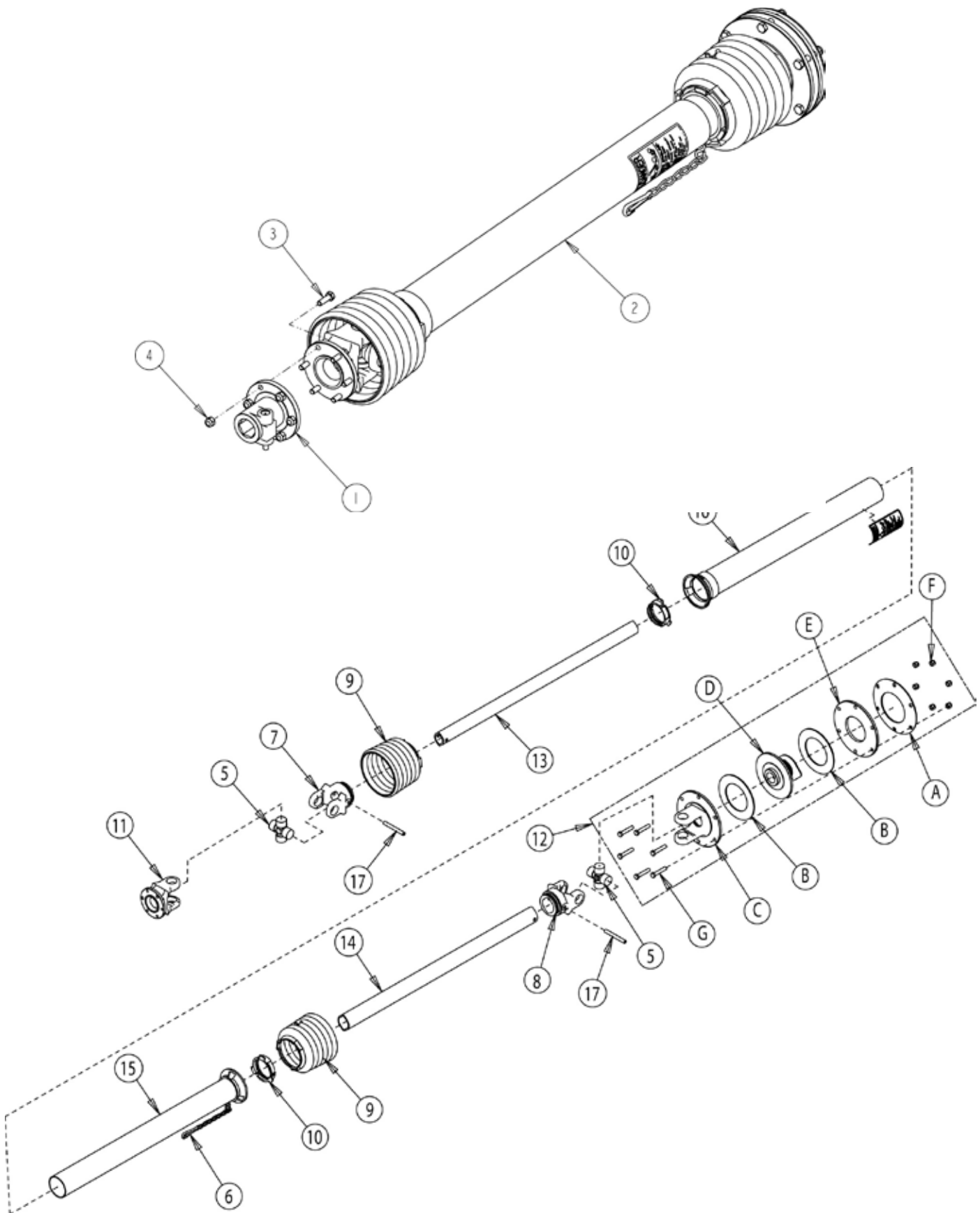

WALTERSCHEID DRIVELINE SERVICE PARTS

ITEM	PART NUMBER	DESCRIPTION	16934 QTY	16935 QTY
1	0883-0120-00	KIT, CROSS AND BEARING W-2400	2	2
2	12209	CHAIN, SAFETY	1	1
3	12210	DECAL, OUT	1	1
4	12211	DECAL, IN	1	1
5	12215	YOKE, INBOARD 1B	1	1
6	12218	YOKE, INBOARD 2A	1	1
7	12220	CONE, 6 RIB SAFETY	2	2
8	12223	RING, SC25, BEARING	2	2
9	14714-00	YOKE, FLANGE	1	1
10	14722-00	CLUTCH, FRICTION	1	1
A	14061-00	SPRING, BELVILLE (WALTERSCHEID)	1	1
B	14062-00	SET, FRICTION DISC (WALTERSCHEID)	1	1
C	14720-00	YOKE, FLANGE	1	1
D	14721-00	HUB, CLUTCH	1	1
E	14736-00	PLATE, THRUST	1	1
F	15647	NUT, M10 X 1.5 HEX NYLOCK TYP NE YZP	6	6
G	15747-00	BOLT, M10 X 1.5 X 50 CLASS 8.8 HCPS	6	6
H	15748-00	BOLT, M12 X 1.75 X 65 CLASS 8.8 HCPS	1	1
J	15749-00	NUT, M12 X 1.75 HEX NYLOCK TYPE NE YZP	1	1
11	14728-00	PROFILE, INNER 1B, (SHORT)	1	
	14732-00	PROFILE, INNER 1B, (LONG)		1
12	14729-00	PROFILE, OUTER 2A, (SHORT)	1	
	14733-00	PROFILE, OUTER 2A, (LONG)		1
13	14730-00	TUBE, INNER SHIELD, (SHORT)	1	
	14734-00	TUBE, INNER SHIELD, (LONG)		1
14	14731-00	TUBE, OUTER SHIELD, (SHORT)	1	
	14735-00	TUBE, OUTER SHIELD, (LONG)		1
		TUBE, OUTER SHIELD, (MEDIUM)		
15	15575	PIN, M10 X 80, SPRING	2	2

**DRIVELINE/C FLANGE
ASSEMBLY**

25' & 30' HEADERS 1993 & LATER

07/07



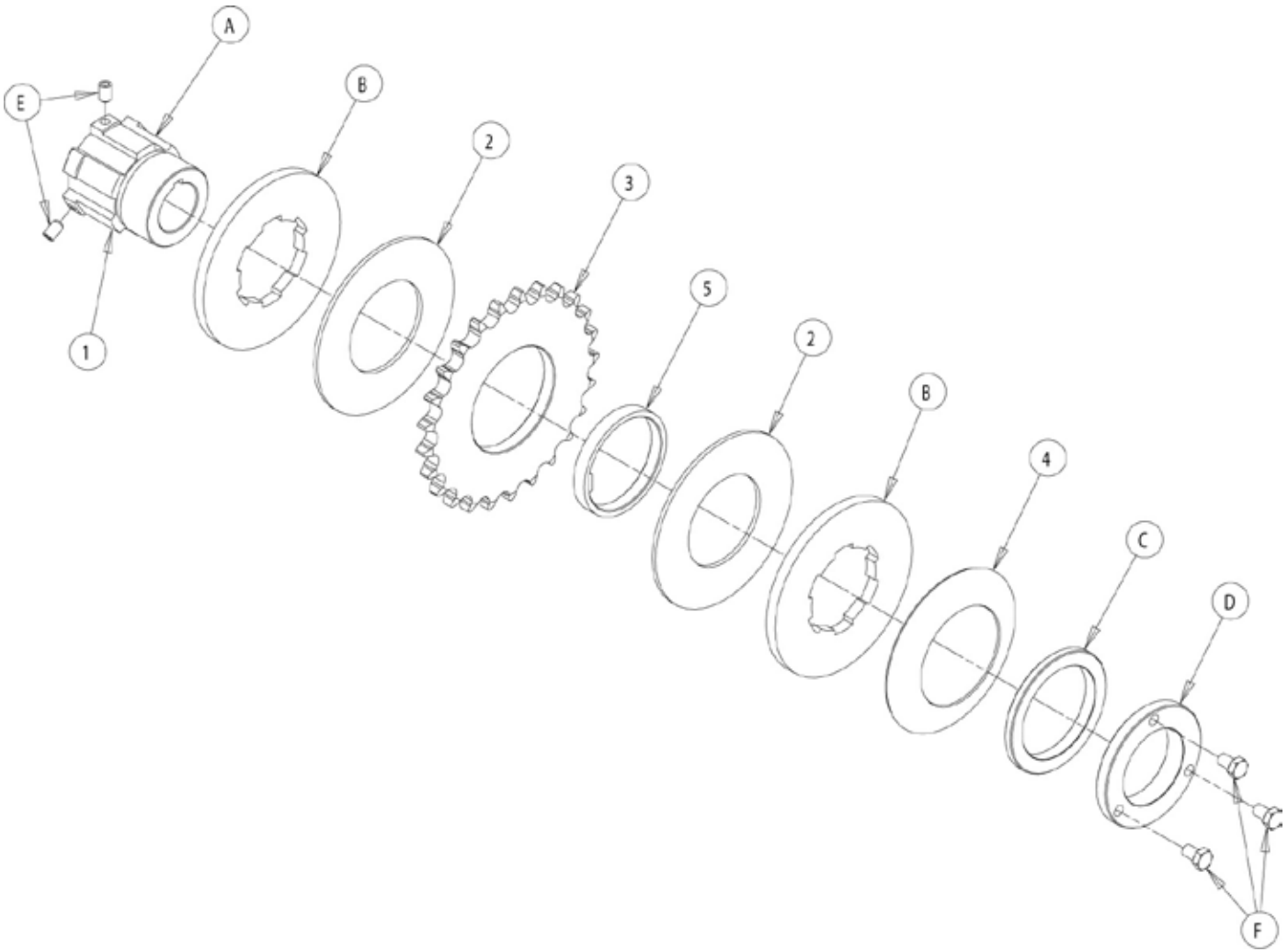
DRIVELINE/C-FLANGE ASSEMBLY (29859-00)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	13911-00	COUNTER FLANGE, 1-1/8 HEX 6 BOLT	1
2	14389-00	ASSEMBLY, DRIVELINE/CLUTCH 1-3/8 6 SPLINE (SEE TABLE BELOW)	1
3	15219	BOLT, 5/16 X 1" GR5 HHCS NC ZP	6
4	15356	NUT, 5/16" NE NYLOCK ZP	6

ASSEMBLY DRIVELINE/CLUTCH 1-3/8 6 SPLINE (14389-00)			
ITEM	PART NUMBER	DESCRIPTION	QTY
5	0883-0120-00	KIT, CROSS AND BEARING W-2400	2
6	12209	SAFETY CHAIN	1
7	12215	YOKE, INBOARD 1B	1
8	12218	YOKE, INBOARD 1A	1
9	12220	CONE, 6 RIB SAFTEY	2
10	12223	RING, SC25 BEARING	2
11	14714-00	YOKE, FLANGE	1
12	14744-00	CLUTCH, FRICTION	1
A	14061-00	SPRING, BELVILLE (WSCHIED)	1
B	14062-00	SET, FRICTION DISC	1
C	14720-00	YOKE, FLANGE	1
D	14736-00	PLATE, THRUST	1
E	14737-00	HUB, CLUTCH	1
F	14738-00	BACK-UP RING	1
G	14739-00	BALL, CLUTCH	3
H	14740-00	SPRING, COMPRESSION	1
I	14741-00	COLLAR, LOCK	1
J	14742-00	RING, BACKUP	1
K	14743-00	RING, SNAP	1
L	15647	NUT, M10 X 1.5 HEX NYLOCK TYPE NE	6
M	15747-00	BOLT, M10 X 1.5 X 50 CLASS 8.8 HC	6
13	14732-00	PROFILE, INNER 1B (LONG)	1
14	14733-00	PROFILE, OUTER 2A (LONG)	1
15	14734-00	TUBE, INNER SHIELD (LONG)	1
16	14735-00	TUBE, OUTER SHIELD (LONG)	1
17	15575	PIN, M10 X 80 SPRING	2

**TORQUE LIMITER
(AUGER DRIVESHAFT)**

15' - 22.5' HEADERS

07/07



TORQUE LIMITER (AUGER DRIVESHAFT) (23229)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	16494	CLUTCH, TORQUE LIMITER	1
A	NPN	HUB	1
B	NPN	PRESSURE PLATE	2
C	NPN	RETAINER, SPRING	1
D	NPN	NUT, ADJUSTING	1
E	NPN	SCREWS, 5/16" SET	2
F	NPN	SCREWS, ADJUSTING NUT	3
2	12115	SET, CLUTCH DISC	1
3	16495	SPROCKET, 60A25	1
4	12936-00	SPRING, CLUTCH	1
5	16496	BUSHING, SPROCKET	1

1



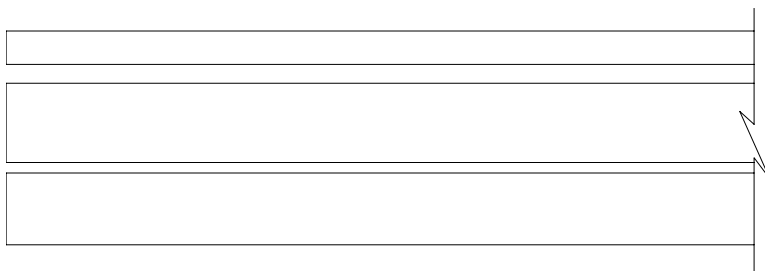
2



3



4



5



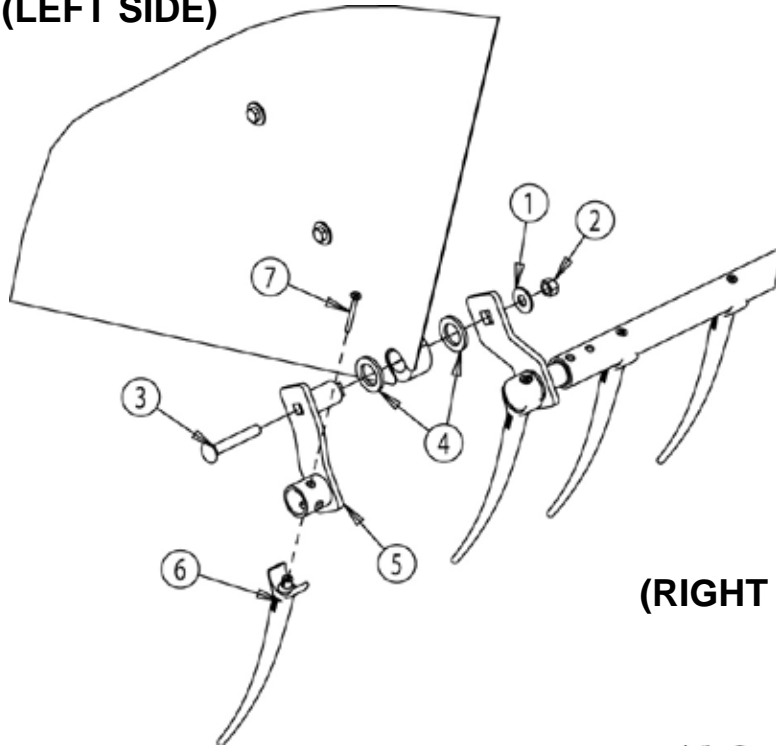
ITEM #	PART #	DESCRIPTION	QTY
1	11001	DECAL, CAUTION	1
2	17224	DECAL CTR MANIFOLD DIRECTION	1
3	11002	DECAL, WARNING	1
4	16722	AIR REEL STRIPING	UAR
5	11012	DECAL, CRARY AIR REEL	1



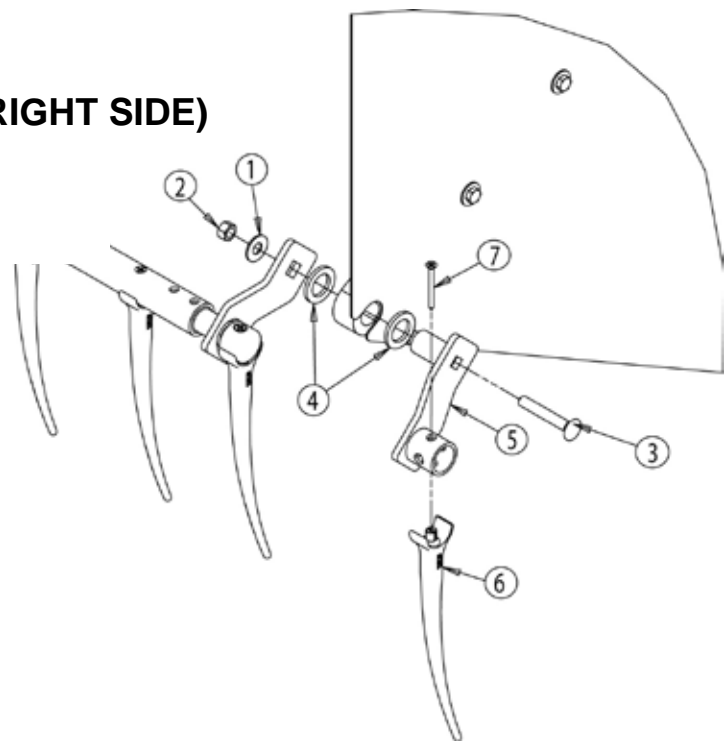
Parts Catalog Air Reel

OPTIONS

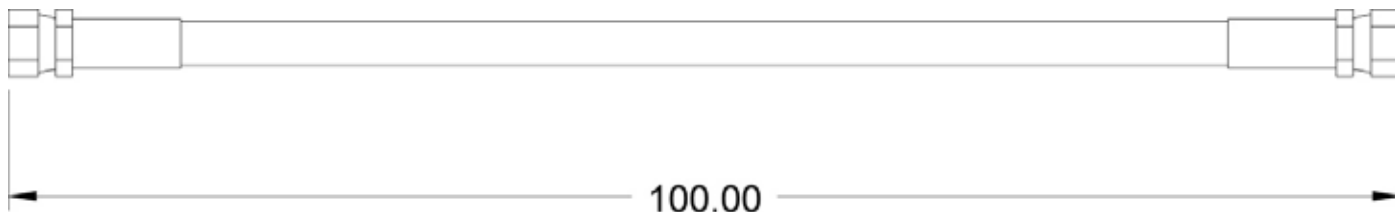
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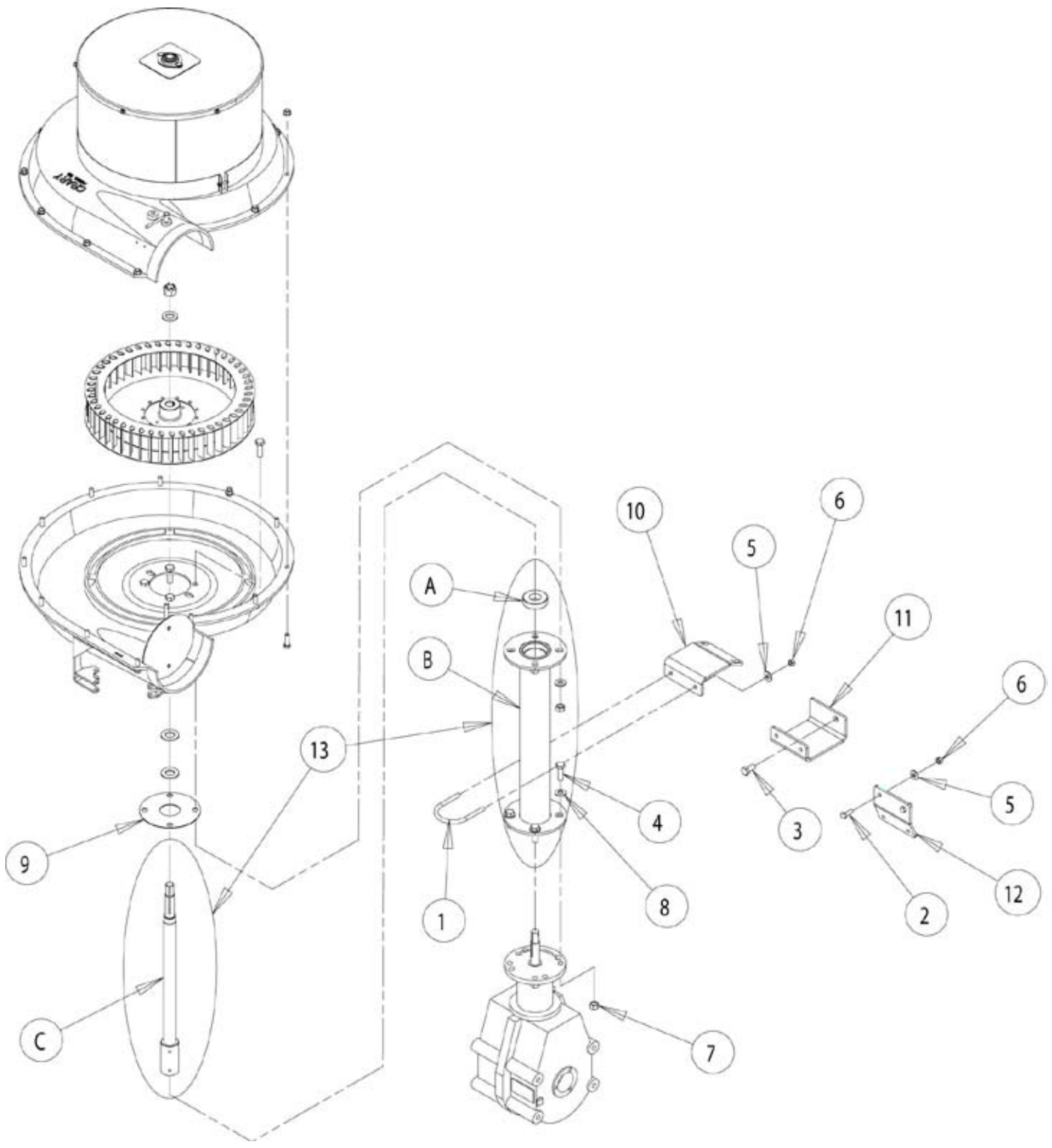
(RIGHT SIDE)



AUXILIARY REEL TINE KIT, 25605			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	15031	WASHER, 3/8" FLAT ZP	2
2	15047	NUT, 3/8 CENTER LOCKNUT ZP	2
3	15115	BOLT, CRG 3/8 X 2-1/2" GR5 NC SP	2
4	15302	STL MCH BSH, 7/8 ID NAR-RIM 10GA	4
	25602-00	RH AUX. REEL TINE ASSEMBLY (CONSISTS OF 5-7)	1
5	25601-12	PIVOT STRAP/TUBE WELDMENT	1
6	12529	TINE, PLASTIC REEL	1
7	15597	SCREW, 12-14 X 2" FLAT HD, THD. FORM	1
	25603-00	LH AUX. REEL TINE ASSEMBLY (CONSISTS OF 5-7)	1
5	25601-12	PIVOT STRAP/TUBE WELDMENT	1
6	12529	TINE, PLASTIC REEL	1
7	15597	SCREW, 12-14 X 2" FLAT HD, THD. FORM	1



HYDRAULIC HOSE (OPTIONS) (12311)			
ITEM	PART NUMBER	DESCRIPTION	QTY
	12311	HYDRAULIC HOSE - 100" LONG	2



KIT, GEARBOX/FAN EXTENSION (24493)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	13014	U-BOLT, 3/8" X 3" X 4", FAN MOUNT ZP	1
2	15006	BOLT, 3/8" X 1" HHCS GR5 ZP	2
3	15012	BOLT, 1/2" X 1" HHCS GR5 ZP	2
4	15014	BOLT, 1/2" X 1-1/2" HHCS GR5 ZP	4
5	15031	WASHER, 3/8" FLAT ZP	4
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Crary Industries
237 12th St. NW • P.O. Box 849
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