

GEARMORE®

TWINSTAR

GENERATION 3 BASKET RAKES



PART'S MANUAL For Models 2030G3-7 7 Bar Series

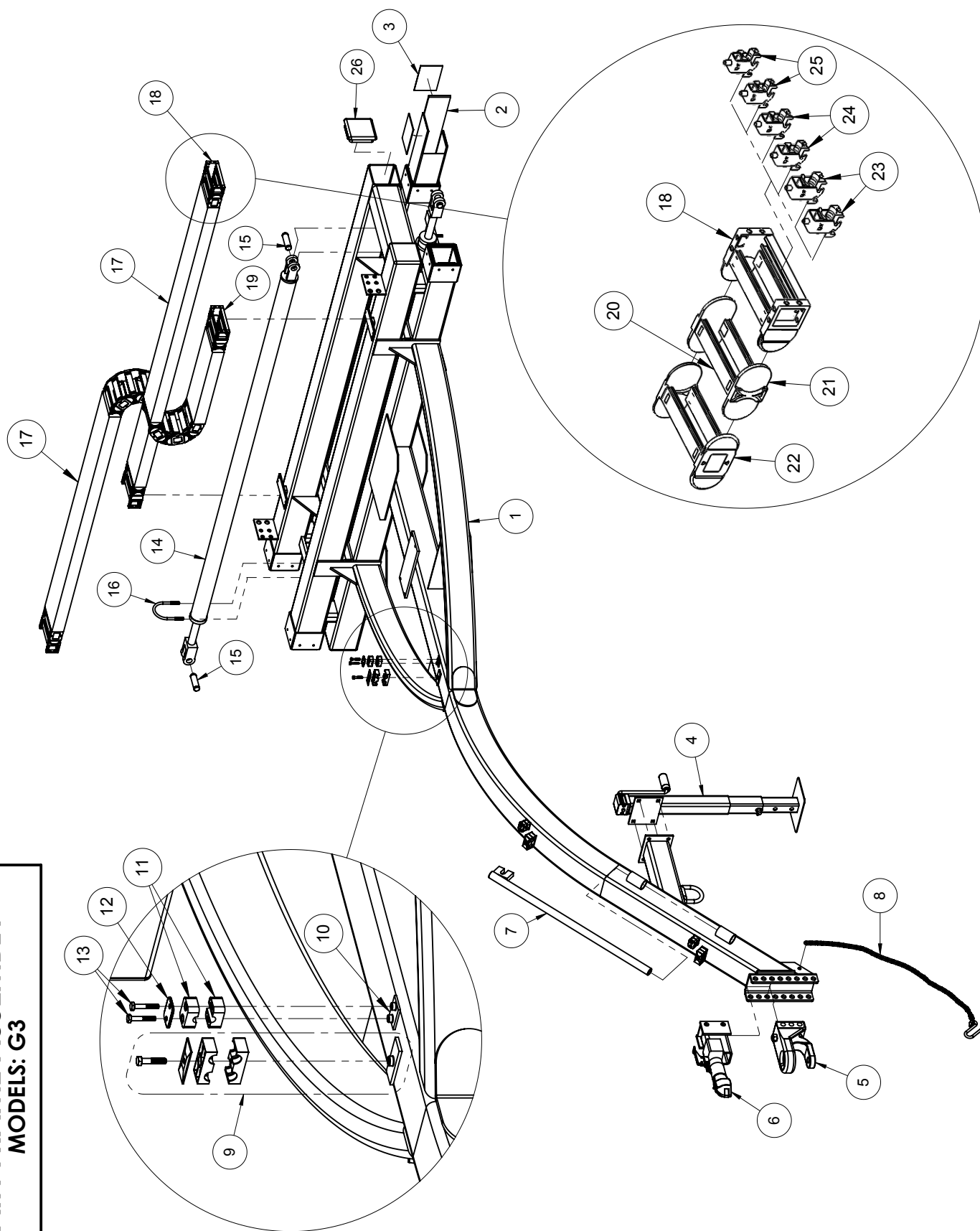
Serial # 157000 - 157999



GENERATION 3 PARTS MANUAL

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MAIN FRAME ASSEMBLY MODELS: G3



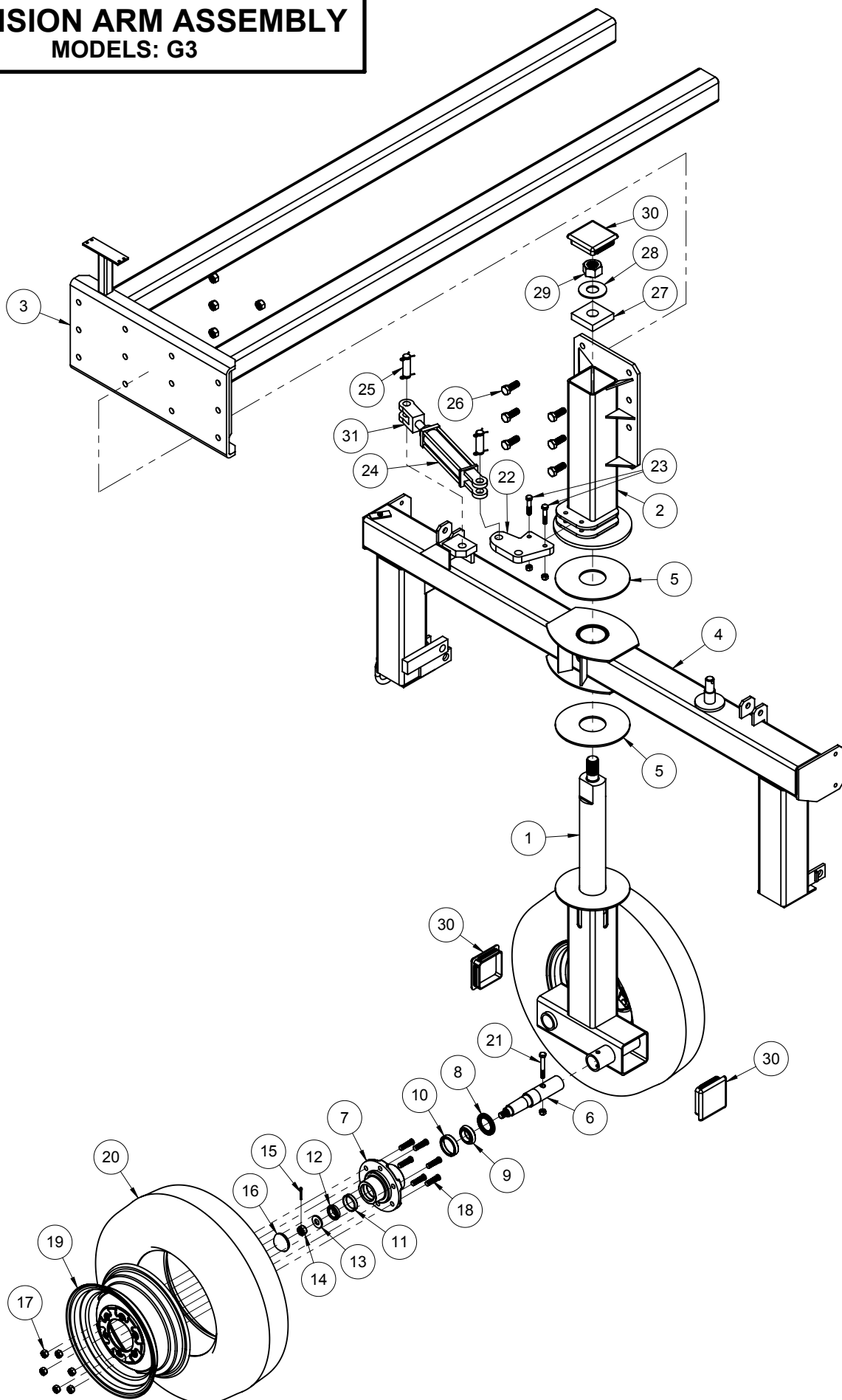
MAINFRAME ASSEMBLY

MODELS: G3

ITEM	QTY	PART NO	DESCRIPTION
1	1	HR-2030-G2-1	Main Frame
2	16	HR-0051-G2	Slide Tube Wear Strip 1/4" x 3 7/8"
3	8	HR-0055-G2	12 Gauge Shim
#	16	G-25-1.25-SFHMS	1/4" x 1 1/4" Slot Flat Head Machine Screw w/ 1/4" Nylock Nut (Shim Side) (not shown)
#	16	G-25-1-SFHMS	1/4" x 1" Slot Flat Head Machine Screw w/ 1/4" Nylock Nut (not shown)
	Ref	HR-0051HK	Slide Tube Wear Strip Hardware Kit, Includes 16 ea. of the above 2 items
4	1	HR-2052	Tongue Jack
5	1	HR-0490	Clevis Hitch Assembly
6	Ref	HR-2410P	2-5/16" Ball Hitch - optional for clevis hitch
7	1	HR-2001	Stripper Bar Adjustment Tool
8	1	HR-0341	Safety Chain - 37"
9	1	HR-0404	1/2" Clamp - Double Hose (w/ Mounting Plate & Top Plate)
10	2	HR-0700	Base Plate (1/2" Clamp - Single Hose)
11	2	HR-0417	1/2" Clamp - Single Hose
12	2	HR-0415	Top Plate (1/2" Clamp - Single Hose)
13	4	HR-0419	1/4" x 1-1/2" HHCS
14	2	HR-0318-1	Spread Cylinder Without External Hydraulic Line, Ram
15	4	HR-0317	Hyd Cyl Pin
16	2	G-375-3.5-NCU	3/8" x 3 1/2" U-Bolt
17	1	HR-3200	Energy Chain - Set of 2, 6-5/8" Width Assembled Chains
18	2	HR-3231	Energy Chain - Moving KMA Bracket For 6-5/8" Width Chain
19	2	HR-3232	Energy Chain - Fixed KMA Bracket For 6-5/8" Width Chain
20	168	HR-3113	Energy Chain - Crossbar For 6-5/8" Width Chain
21	80	HR-3238	Energy Chain - Inside Plate For 6 5/8" Width Chain
22	80	HR-3239	Energy Chain - Outside Plate For 6 5/8" Width Chain
23	4	HR-3106	Energy Chain - Chain Fix 1/2" Single For 6-5/8" Width Chain
24	4	HR-3115	Energy Chain - Chain Fix 3/8" Single For 6-5/8" Width Chain
25	4	HR-3114	Energy Chain - Chain Fix 1/4" Single For 6-5/8" Width Chain
#	Ref	HR-3117	Energy Chain - Hose Seperator (not shown)
#	1	700-0807-4023	Hydraulic Control Valve (not shown)
26	4	HSR-0023	5" Plastic Cap
#	Ref	HR-R3605437	Spread Cylinder Seal Kit (not Shown)
#	1	WES002670	Light Kit
#	1	HR-0343	SMV Sign (not shown)
#	Ref	HR-2009	Slide Assembly Spray Lube
#	1	HR-2006	Tool Box (not shown)
#	Ref	HR-2008	Width Marker Decal Set

EXTENSION ARM ASSEMBLY

MODELS: G3

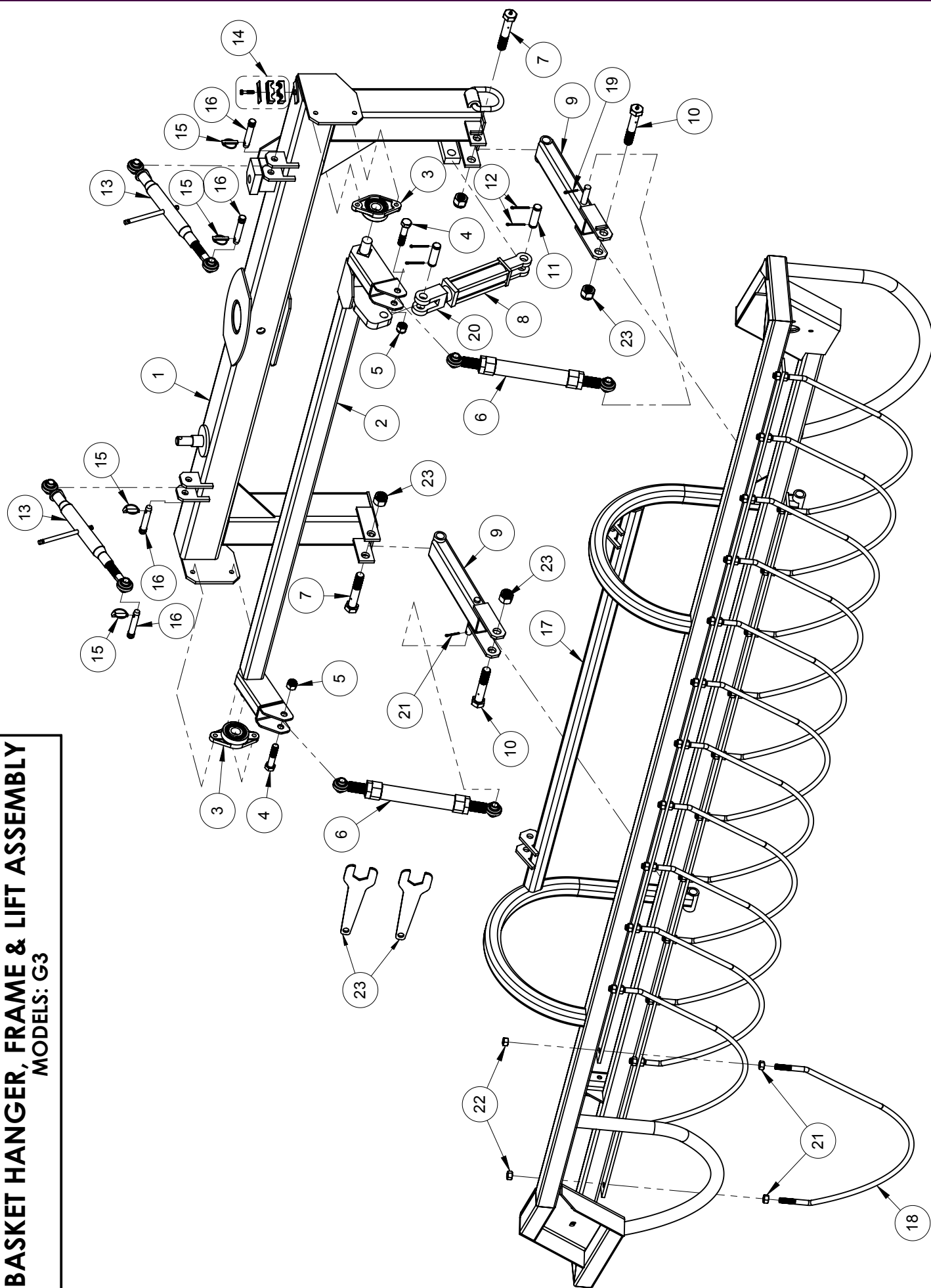


EXTENSION ARM ASSEMBLY

MODELS: G3

ITEM	QTY	PART NO	DESCRIPTION
1	1	HSR-2470	Wheel Tower Weldment - RH
1	1	HSR-2471	Wheel Tower Weldment - LH
2	2	HR-2510-2	Wheel Tower Receiver (with 8 13/16" wide hole spacing)
3	1	HSR-2100-1	Double Slide Weldment - RH
3	1	HSR-2101-1	Double Slide Weldment - LH
4	1	HR-2478-3	Basket Pivot Weldment - RH
4	1	HR-2479-3	Basket Pivot Weldment - LH
5	4	HR-0481	UHMW Pivot Plate
6*	4	HR-0083-1	Spindle RTM (002-328-1)
7*	4	HR-0082	Wheel Hub w/ Bearings & Seal (008-423-04)
8*	4	HR-0383	Spindle Seal 2" (010-162-00) (Cross Ref National 473463)
9*	4	HR-0378	Inner Bearing LM501349 (031-075-02)
10*	4	HR-0379	Inner Race LM501310 (031-075-01)
11*	4	HR-0377	Outer Race LM67010 (031-032-02)
12*	4	HR-0376	Outer Bearing LM67048 (031-032-01)
13*	4	HR-0382-1	Spindle Washer 1" (005-023-00)
14*	4	HR-0381-1	Spindle Nut 1"-14 Slotted (006-176-00)
15*	4	HR-0384	Cotter Pin 1/8" x 2" (019-002-00)
16*	4	HR-0375-1	Grease Cap (yellow zinc) (021-089-00)
17*	24	HR-0380	Lug Nut 9/16" NF (006-060-00)
18*	24	ST562	9/16" NF - 2 1/4" Stud (007-280-00)
19	4	HR-0085	Wheel
20	4	HR-0707	LT235/75R15 Road Tire
21	4	HR-0704	1/2" x 3 1/2" NC Gr.5 Cap Screw w/ 1/2" Grip Nut
22	2	HR-0066B	Break Away Cylinder Mount
23	4	HR-0705	1/2" x 2 1/2" NC Gr.8 Cap Screw w/ 1/2" Grip Nut
24	2	HR-0106	2" x 8" ASAE Hydraulic Cylinder
25	4	HR-0317	Hydraulic Cylinder Pin
26	12	HR-0706	3/4" x 2 1/2" NC Gr.8 Cap Screw w/ 3/4" Grip Nut
27	2	HR-0472	Washer Plate
28	2	G-1.5SAEFW	1 1/2" SAE Flat Washer
29	2	HR-0473	1 1/2" SAE Nylock
30	2	HSR-0015	5" Plastic Cap (Modified)
32	2	HR-0314	Hydraulic Cylinder Rod Clevis
*	2	E-1774	Complete Hub & Spindle Assembly (includes Items with *)
REF		HR-0313-1	Hydraulic Cylinder Seal Kit, (Not Shown) Spencer #661751

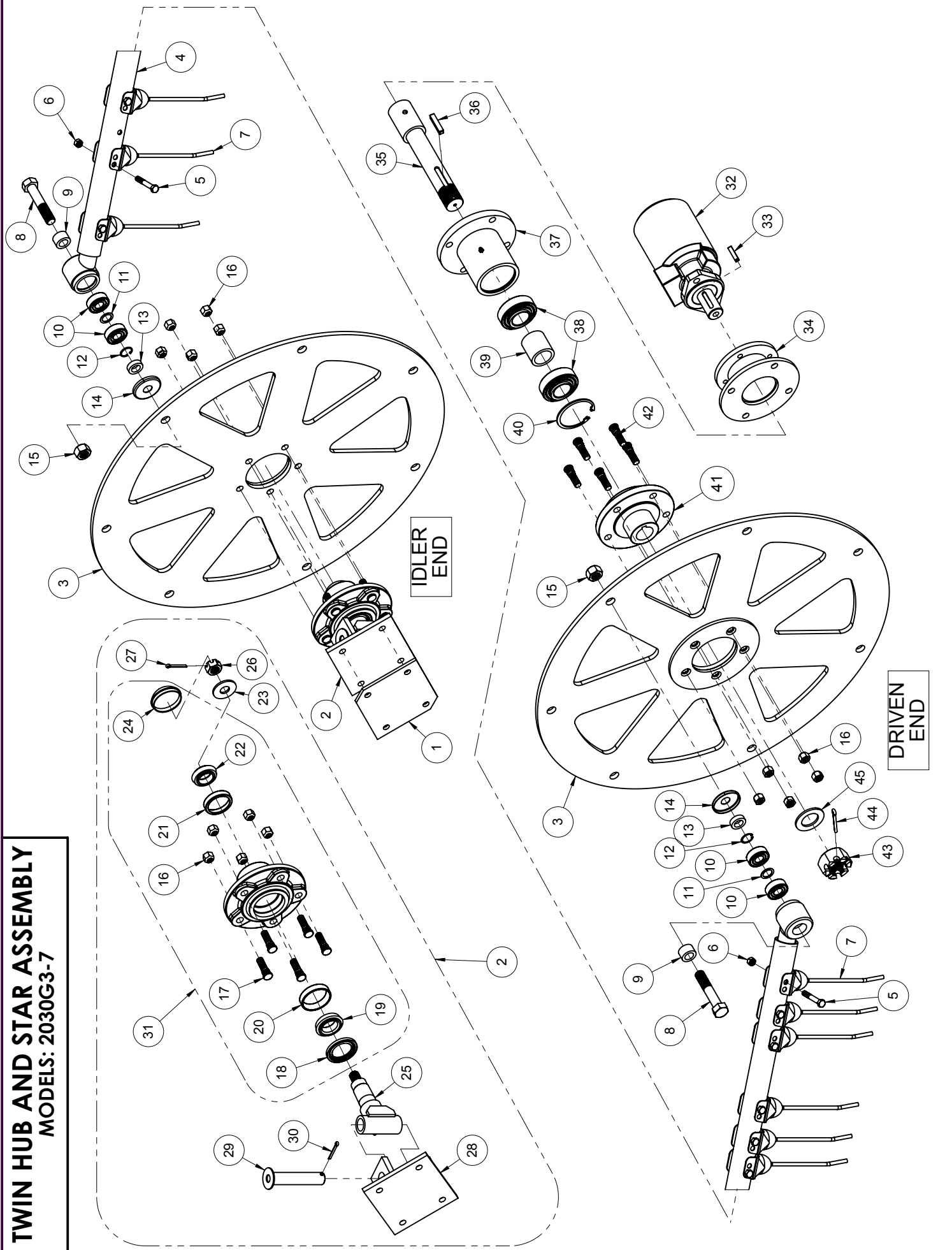
BASKET HANGER, FRAME & LIFT ASSEMBLY MODELS: G3



BASKET HANGER, FRAME AND LIFT ASSEMBLY
MODELS: G3

ITEM	QTY	PART NO	DESCRIPTION
1	1	HR-2478-3	Basket Pivot Weldment - RH
1	1	HR-2479-3	Basket Pivot Weldment - LH (Not Shown)
2	1	HR-2450-1	Suspension Axel - RH
2	1	HR-2451-1	Suspension Axel - LH (Not Shown)
3	4	HR-0232	Flange Bearing
4	4	G-75-3.5NCCS	3/4" x 3 1/2" HHCS
5	4	G-75NCHGN	3/4" Hex Grip Nut
6	4	HR-2003-B	Adjustable Link
7	4	HR-11118	Clevis Bolt, Bottom (Greasable)
8	2	HR-0107	2" x 6" Hydraulic Cylinder
9	4	HR-2113-2	Parallel Arm
10	4	HR-11118	Clevis Bolt, Top (Greasable)
11	4	HR-0317	Hydraulic Cylinder Pin
12	12	HR-0159	Cotter Pin 3/16" x 1-1/2"
13	4	HR-0200	Top Link
14	2	HR-0404	1/2" Double Hose Clamp w/ Mounting Plate
15	8	HR-0198	Lynch Pin - 7/16"
16	8	HR-0105	Pin
17	1	HR-2623-2	Basket Frame - 12' - RH
17	1	HR-2624-2	Basket Frame - 12' - LH (Not Shown)
17	Ref	HR-2621-2	Basket Frame - 10 1/2' - RH (Not Shown)
17	Ref	HR-2622-2	Basket Frame - 10 1/2' - LH (Not Shown)
18	24	HR-2630	Stripper Bar (RH & LH, 10 1/2' & 12' Basket)
19	4	HR-0703	Cotter Pin 1/4" x 1-1/2"
20	2	HR-0314	Hydraulic Cylinder Rod Clevis
21	48	G-625NCHN	5/8" NC Hex Nut
22	48	G-625NCHGN	5/8" Hex Grip Nut
23	2	HR-2004-A	Basket Adjustment Wrench
24	4	064-016-1	1" NC Nylock Nut
#	2	HR-2007	Tooth Tool
#		HR-0313-1	Hydraulic Cylinder Seal Kit, (Not Shown) Spencer #661751

TWIN HUB AND STAR ASSEMBLY **MODELS: 2030G3-7**

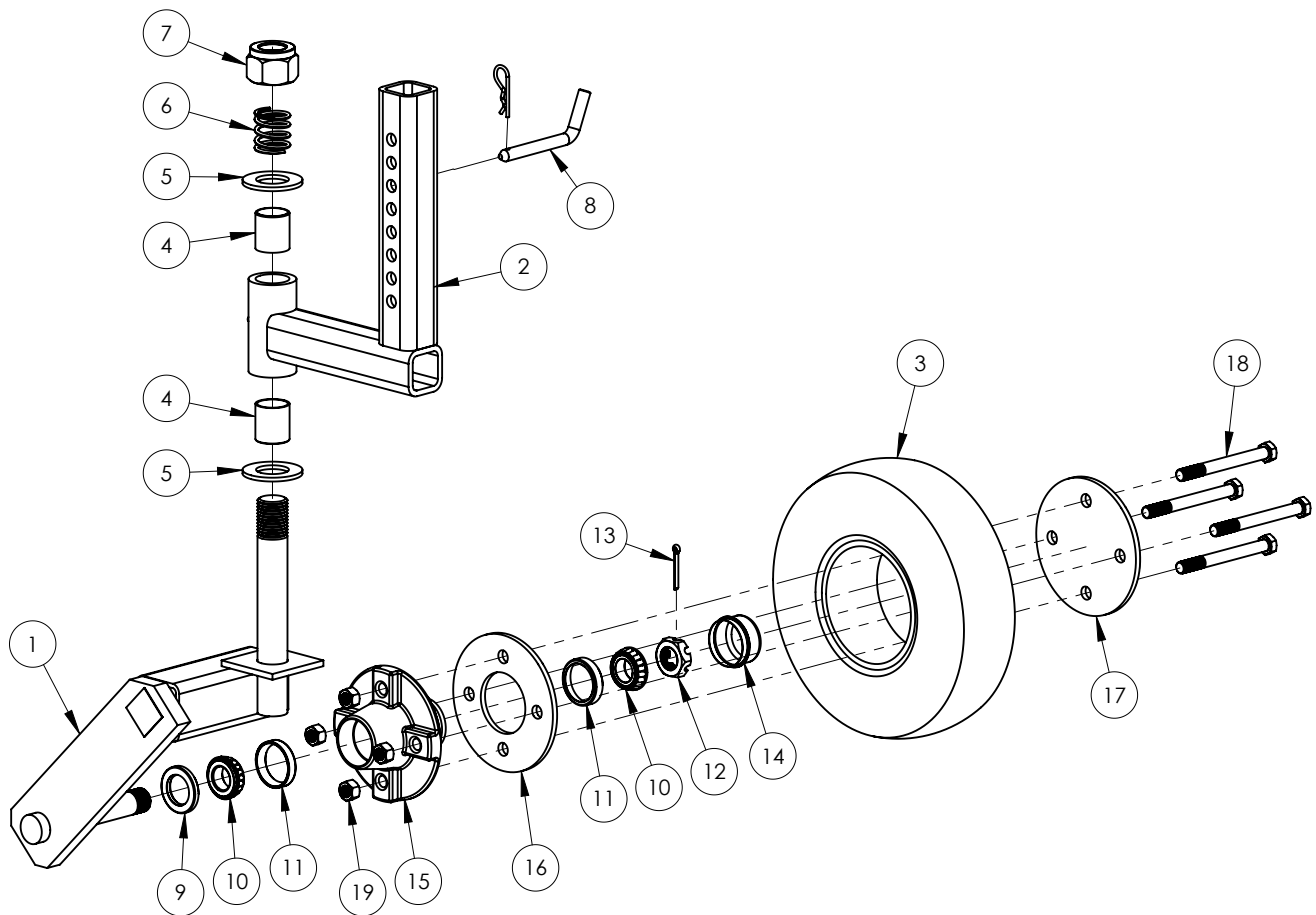


TWIN HUB AND STAR ASSEMBLY
MODELS: 2030G3-7

ITEM	QTY	PART NO	DESCRIPTION
1	2	HR-0647	Reinforcing Plate
2	1	HR-4162	Knuckle Assembly w/Hub - RH
2	1	HR-4163	Knuckle Assembly w/Hub - LH
3	4	HR-2640	G2 Star Wheel (7 Bar)
4	14	HR-4130	Tine Bar - 12 ft w/Bearings
4	Ref	HR-4120	Tine Bar - 10-1/2 ft w/Bearings (Not Shown)
5	350	HR-0181	3/8" x 2-1/2" HHCS
6	350	HR-0182	3/8" Lock Nut
7	175	HR-0168	Right Hand Rake Tooth
7	175	HR-0169	Left Hand Rake Tooth (Not Shown)
8*	28	HR-0176	3/4" NC x 4" HHCS
9*	28	HR-0174	Tine Bar Long Spacer
10*	56	HR-0172	Tine Bar Bearing Z9504
11*	28	HR-0184	Tine Bar Shim Washer
12*	28	HR-0173	Snap Ring
13*	28	HR-0177	Tine Bar Small Spacer
14*	28	HR-0175	Dust Shield
15*	28	HR-0178	3/4" NC Lock Nut
16	20	G-STN-509	1/2"-20 NF Lug Nut
17	10	G-ST-504	1/2"-20 NF - 2 1/4" Stud
18	2	G-SL-175	Bearing Seal (RTM SL-175)
19	2	G-LM48548	Inner Spindle Bearing LM48548
20	2	G-LM48510	Inner Bearing Race LM48510
21	2	HR-0377	Outer Bearing Race LM67010
22	2	HR-0376	Outer Spindle Bearing LM67048
23	2	HR-0382	3/4" Spindle Washer (RTM SW-750)
24	2	HR-0375	Grease Cap
25	2	HR-2652	Knuckle Spindle Weldment
26	2	HR-381	Spindle Nut 3/4" NF Slotted (RTM SN-750)
27	2	HR-0384	Cotter Pin 5/32" x 1 1/2"
28	1	HR-2650	Knuckle Base Plate – RH
28	1	HR-2651	Knuckle Base Plate – LH (Not Shown)
29	2	HR-2653	Knuckle Pin
30	2	HR-0159	Cotter Pin 3/16" x 1-1/2"
31	2	HR-2654	Hub w/Studs, Bearings and Seal
32	2	HR-0709-15	Hydraulic Motor, High Torque, Eaton #184-0131-002
33	2	HR-0357-15	5/16" x 1/4" Key Stock 1 1/4" Long
34	2	HR-2369	Adapter Housing
35**	2	HR-2351	Jack Shaft 1-1/4"
36**	2	HR-0356	3/8" Key Stock - 2"
37**	2	HR-2352	Bearing Housing
38**	4	HR-0355	Bearing CSA208-24
39**	2	HR-0363	Spacer
40**	2	HR-0354	Snap Ring
41**	2	HR-2361	Drive Hub Assembly w/Studs
42**	10	G-7-122	1/2"-20 NF - 2" Stud
43	2	HR-0367	1-1/2" Slotted Nut
44**	2	HR-0367-1	Cotter Pin 1/4" x 2"
45**	2	HR-0368	Machined Washer 2-1/2" OD x 1-1/2" ID X 3/16"
*	Ref	HR-4125	Tine Bar Bearing Assembly
**	2	HR-4361	Bearing Housing Assembly
	Ref	HR-0165-3	Seal Kit For Eaton Motors

GAUGE WHEEL ASSEMBLY (optional)

HR-5612-G3 & HR-5712-G3

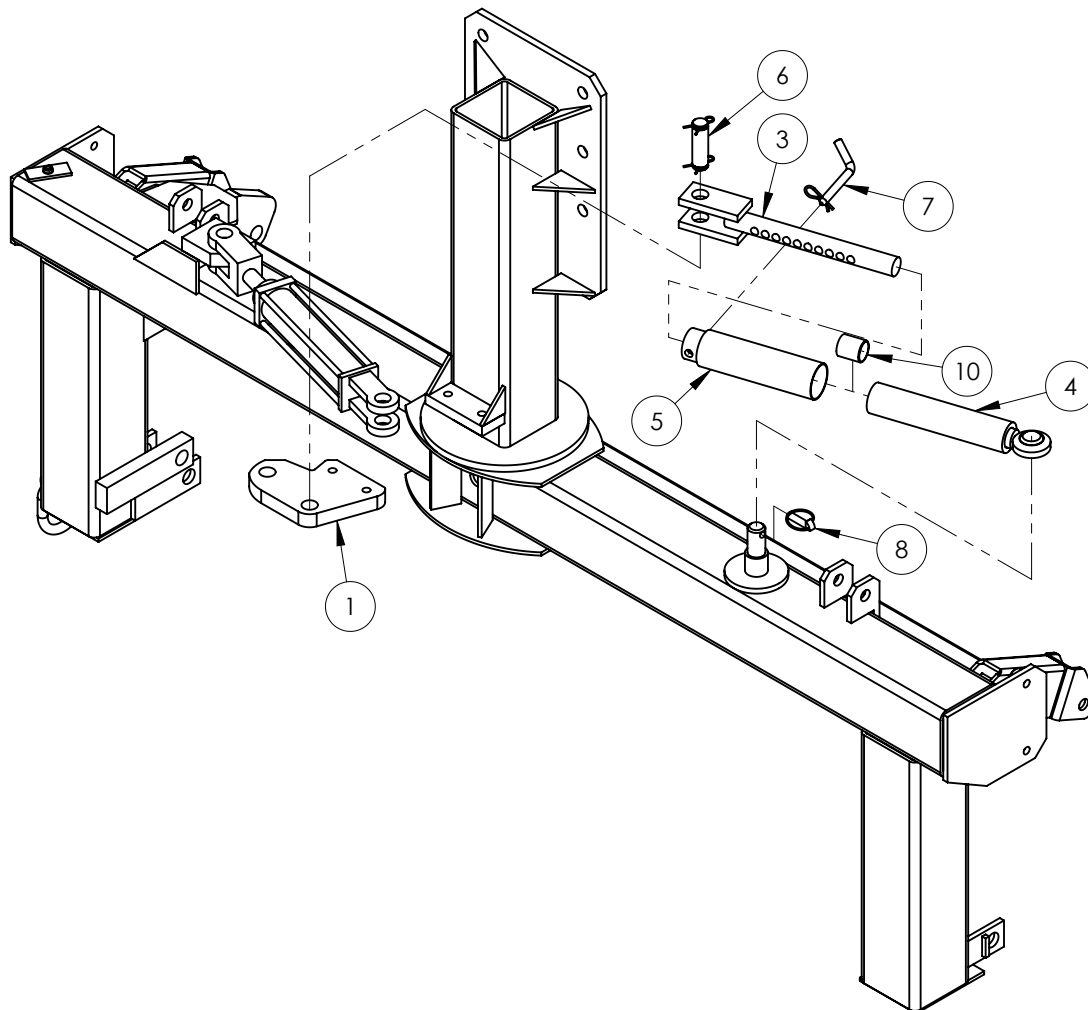


GAUGE WHEEL ASSEMBLY (optional)

HR-5612-G3 & HR-5712-G3

ITEM	QTY	PART NO	DESCRIPTION
1	1	HR-2458-R	Pivot Bracket Assembly - RH
1	1	HR-2457-R	Pivot Bracket Assembly - LH (not shown)
2	2	HR-2660	Pivot Arm Weldment
3	2	HR-2490	Rubber Tire
4	4	HR-0487	Plastic Bearing Insert
5	2	HR-0488	1-1/4" SAE Flat Washer
6	2	HR-0486	Spring
7	2	HR-0489	1-1/4" NC Nylock Nut
8	2	G-P71111	Pin w/Keeper
9	2	HR-0385	Seal - National 471750
10	4	HR-0386	Bearing - L44643
11	4	HR-0387	Race - L44610
12	2	HR-0403	Slotted Nut
13	2	HR-0159	Cotter Pin
14	2	HR-0388	Cap - 21-3
15	1	1-100-04-05	4 on 4 Hub w/Races
16	1	HR-2490-010	Backing Plate
17	1	HR-2490-011	Clamp Plate
18	4	007-015-1	1/2" X 5" Gr. 5 USS HHCS
19	4	067-105-1	1/2" Gr. B USS Lock Nut

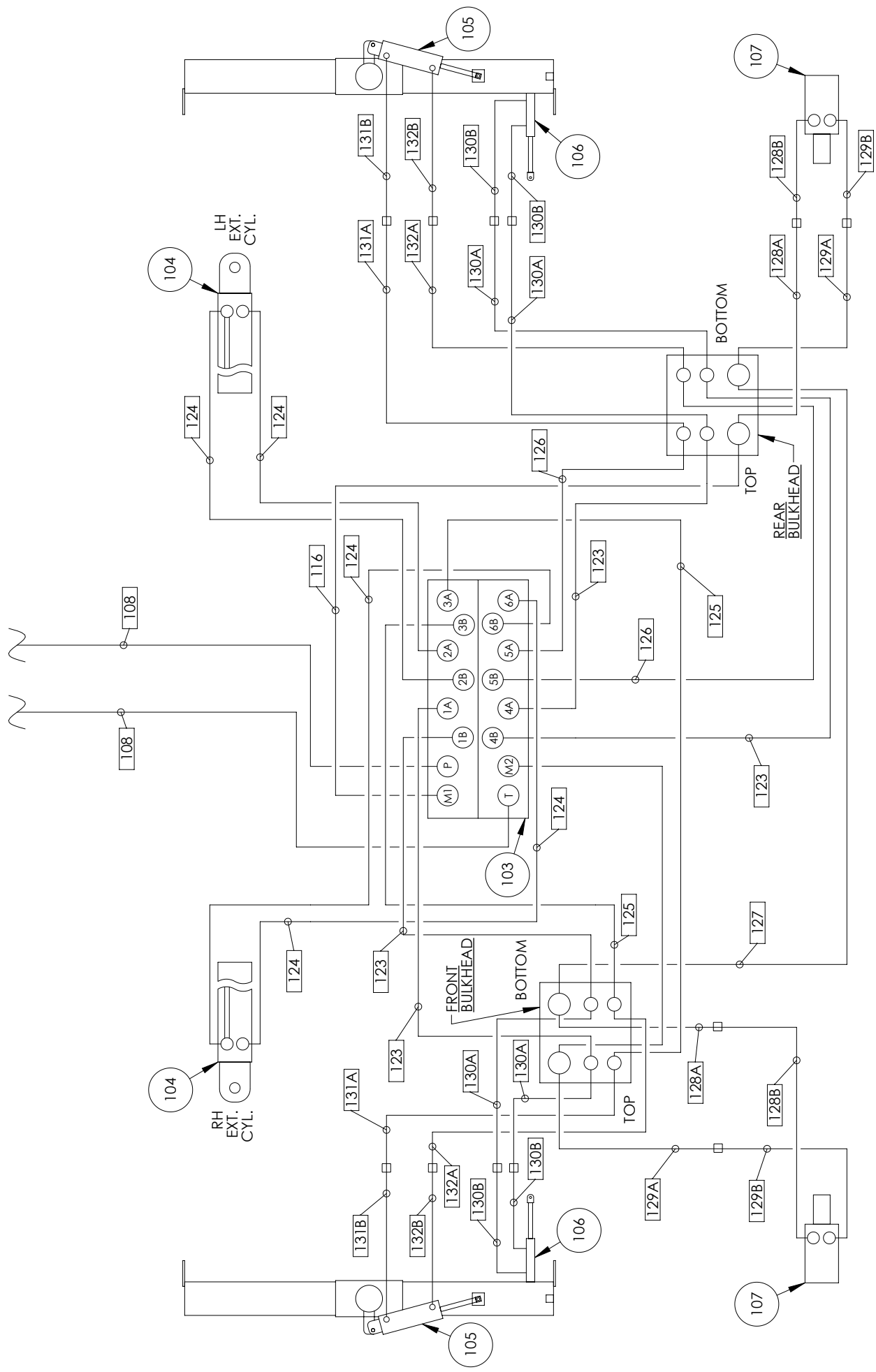
HR-5800 ANGLE STOP ASSEMBLY



HR-5800 ANGLE STOP ASSEMBLY
FOR MODELS: G2 & G3

ITEM	QTY	PART NO	DESCRIPTION
1	2	HR-0066B	Angle Stop Mount
3	2	HR-0851	Inner Slide Shaft
4	2	HR-0852	Outer Slide
5	2	HR-0853	Stop Collar Sleeve
6	2	HR-0317	1" Pin
7	2	P71111	1/2" Pin w/Keeper
8	2	HR-0198	7/16" Lynch Pin
10	2	HR-0487	Plastic Bearing Insert

HYDRAULIC SCHEMATIC MODELS: 2030G3



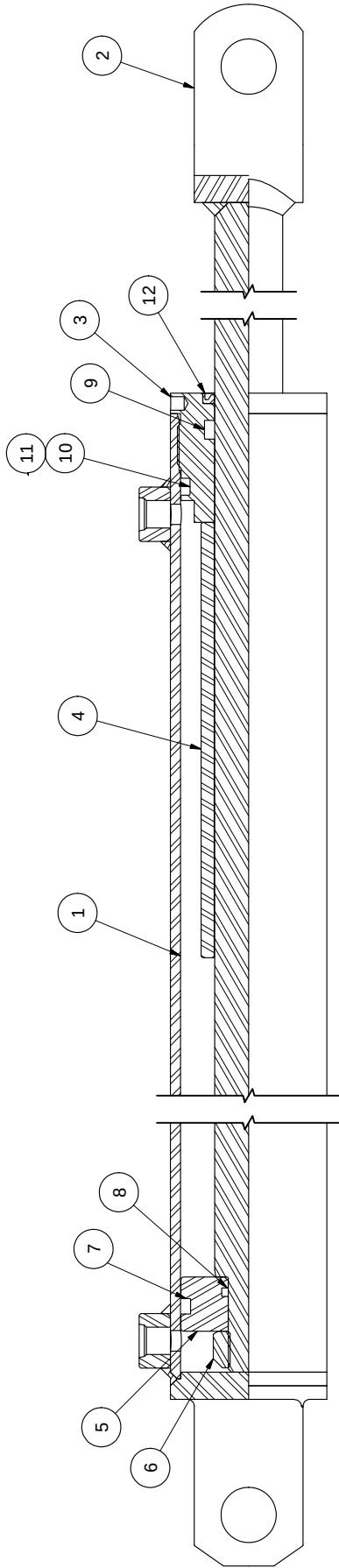
HYDRAULIC SCHEMATIC

MODELS: G3

ITEM	QTY	PART NO	DESCRIPTION
103	1	700-0807-4023	Hydraulic Control Valve
104	2	HR-0318-1	Spread Cylinder Without External Hydraulic Line, Ram
105	2	HR-0106	2" x 8" Hydraulic Cylinder
106	2	HR-0107	2" x 6" Hydraulic Cylinder
	8	HR-0292-1	Cylinder Adapter 2501-6-6 FRG (not shown)
107	2	HR-0709-15	Hydraulic Motor, High Torque, Eaton #184-0131-002
	4	HR-0304	Motor Adapter 6400-8-10 FRG (not shown)
108	2	HR-3150	1/2" Hydraulic Hose - 168"
	2	HR-0276	8010-50P Pioneer Tips (not shown)
115	1	HR-3152	1/2" Hydraulic Hose - 101"
116	1	HR-3151	1/2" Hydraulic Hose - 97"
123	4	HR-3153	3/8" Hydraulic Hose - 106"
124	4	HR-3154	1/4" Hydraulic Hose - 88"
	4	HR-0300-1	1/4" Adapter (not shown) 6400-06-06-0
	8	HR-0289	Bulkhead Adapter 2700LN06FRG (not shown)
	4	HR-0287	Bulkhead Adapter 2700LN08FRG (not shown)
125	2	HR-3155	1/4" Hydraulic Hose - 106"
126	2	HR-3156	1/4" Hydraulic Hose - 87"
127	1	HR-3137	1/2" Hydraulic Hose - 118"
128A	2	HR-3138A	1/2" Hydraulic Hose - 132"
128B	2	HR-3138B	1/2" Hydraulic Hose - 108"
129A	2	HR-3139A	1/2" Hydraulic Hose - 132"
129B	2	HR-3139B	1/2" Hydraulic Hose - 110"
130A	4	HR-3140A	3/8" Hydraulic Hose - 132"
130B	4	HR-3140B	3/8" Hydraulic Hose - 74"
131A	2	HR-3141A	1/4" Hydraulic Hose - 132"
131B	2	HR-3141B	1/4" Hydraulic Hose - 28"
132A	2	HR-3142A	1/4" Hydraulic Hose - 132"
132B	2	HR-3142B	1/4" Hydraulic Hose - 39 1/2"

Part No. HR-0318-1 Seal Kit No. HR-R3605437

BILL OF MATERIALS		
ITEM	QTY	PART NO.
1	1	BARREL WELDMENT
2	1	SHAFT WELDMENT
3	1	GLAND
4	1	STOP TUBE
5	1	PISTON
6	1	LOCKNUT, 3/4-16 UNF, GRADE C
7	1	SEAL, PISTON, PSP-A, #330, 2.500
8	1	SEAL, O-RING, NBR70A, #210, 0.750 x 1.000 x 0.125
9	1	ROD SEAL, U-CUP, 1.250 x 1.625 x 0.313
10	1	SEAL, O-RING, NBR70A, #330, 2.125 x 2.500 x 0.188
11	1	SEAL, BACK-UP, URETHANE, #330, 2.125 x 2.500 x 0.055
12	1	SEAL, WIPER, CASED, 1.250 x 1.688 x 0.188, NITRILE

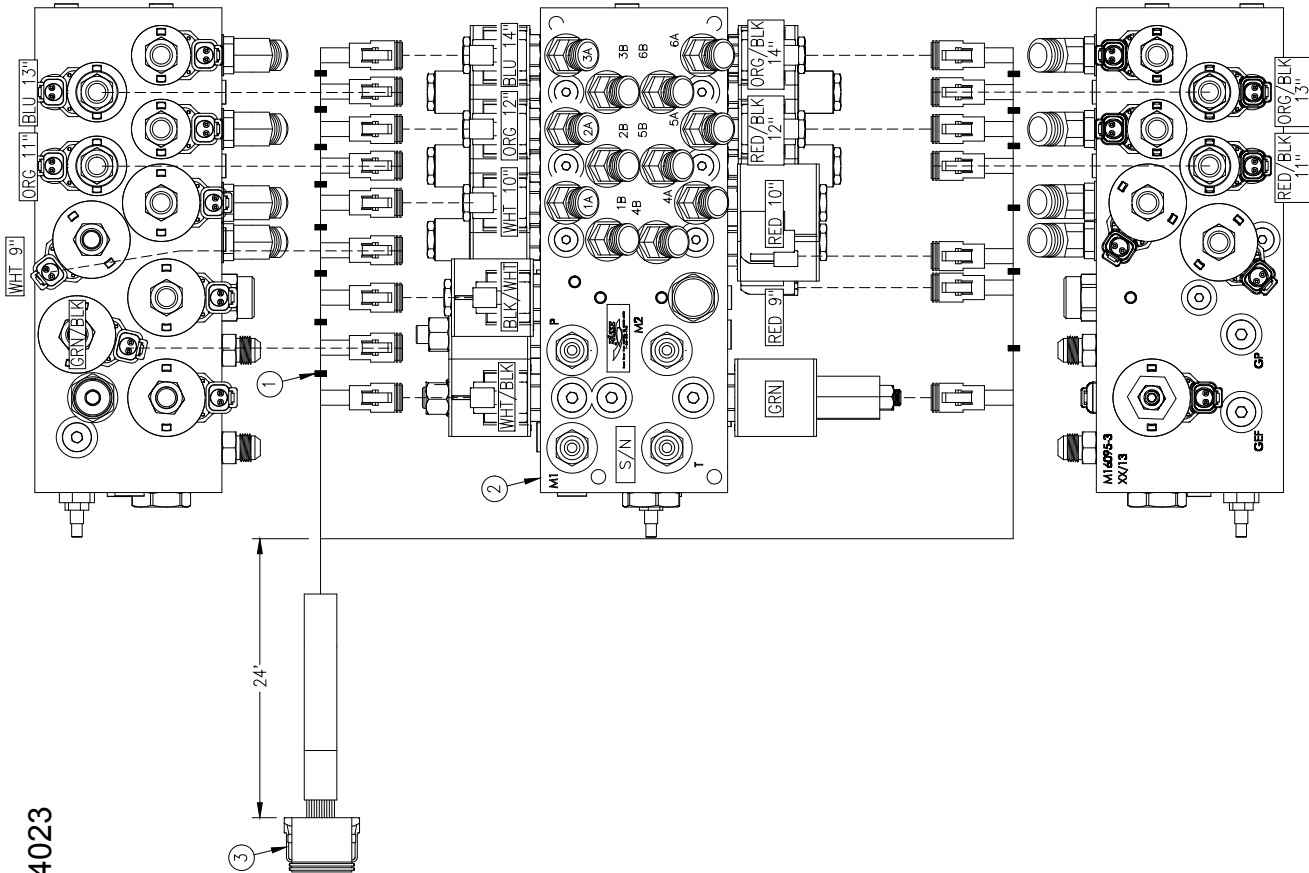


TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMAL	XX ±0.000 STRAIGHTNESS	K Strelloff	1/3/2013
FRACTIONS	XX ±0.000 PARALLELISM	CHECKED BY	1/3/2013
ANGLES	XX ±0.000 SURFACE FINISH	D Lammerts	1/3/2013
FILETS & ROUNDS UNLESS SPECIFIED	XX ±0.000 SURFACE FINISH	APPROVED	1/3/2013
ALL INFORMATION SHOWN IS PROPRIETARY AND CANNOT BE REPRODUCED WITHOUT PERMISSION FROM RAM INDUSTRIES INC.		RAM INDUSTRIES INC.	
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		PARTS	
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		B	
		IR4507907 - PARTS	
		0	
		SHEET 1 OF 1	

PARTS LIST

REF.	PART NO.	QTY.	DESCRIPTION
1	214-002	18	CABLE TIE BLK 8.5"
2	302-586	1	MANI ASSY VERSA 7CIR 6DA 1MTR CLSD E-INTG DTR 10V
3	312-071	1	HRN ASSY 12CON 18CA DTP 12P(12)-160TP 2P(2) 24'

USE (HR-) AS PREFIX WHEN ORDERING THESE PARTS:
EXAMPLE (HR-214-002)



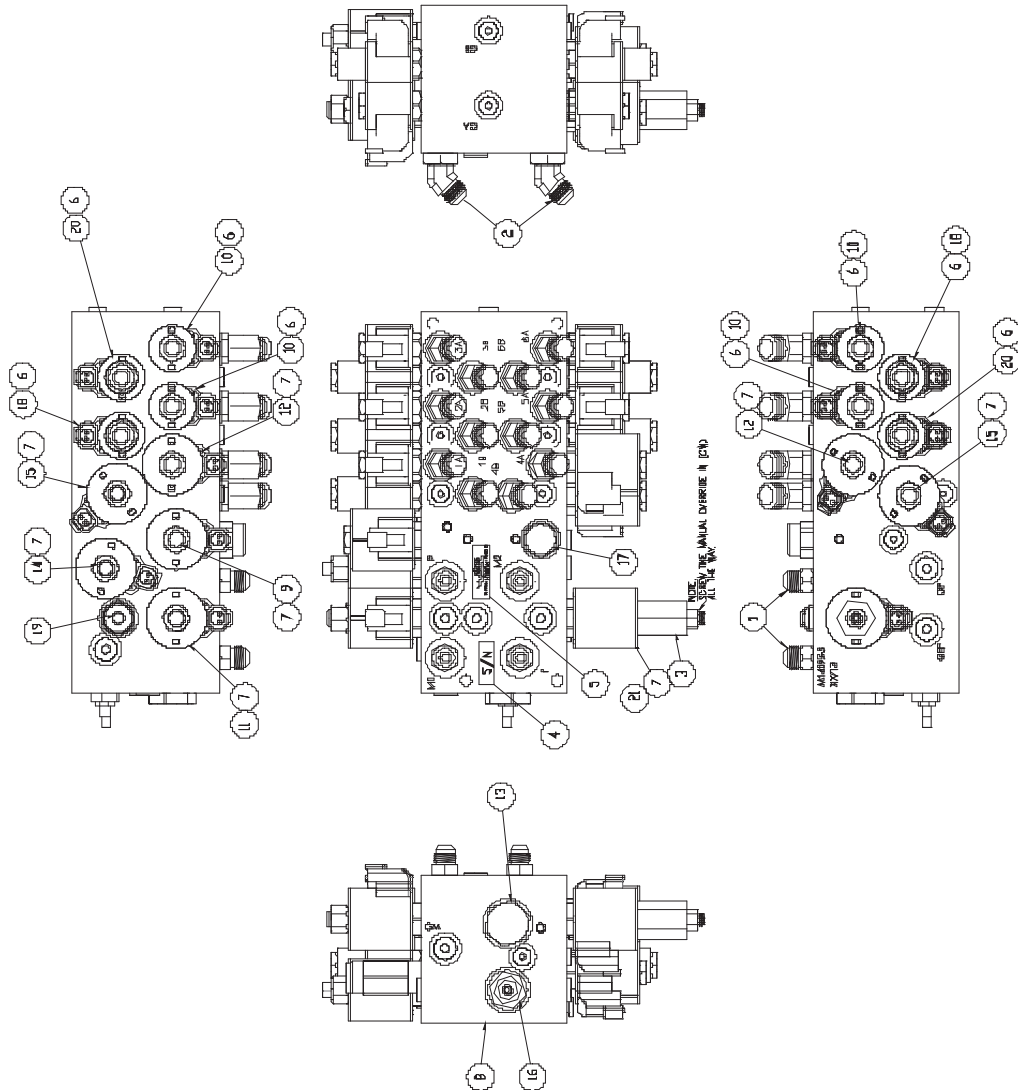
NOTE:
1. USE 2 CABLE TIES TO COIL HRN

REV		REVISIONS		UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE	
DESCRIPTION		FORM #		DIMENSIONS ARE IN INCHES		DRAFTER		02/25/13	
RELEASED DRAWING		12-0046	02/25/13	TOLERANCES ON:		DWG	DWG		
REVISED DRAWING		12-0046	06/10/13	2 PL DECIMALS	BWL	ENGRG	BWL		
				3 PL DECIMALS					
				4 PL DECIMALS					
				FRACTIONS					
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FASSE VALVES SEVEN ROVAR PARK KEARNEY, NE 68848-2348								MANI/HRN ASSY VERSA 7CIR 6DA 1MTR CLSD E-INTG DTR 10V 12CON DTP 12P(12) 24'	
FSCM NO								DWG NO	303-159
SCALE								SHEET	

PARTS LIST

REF.	PART NO.	QTY.	DESCRIPTION
1	210-117	4	FIG 6400-8-8/S-MJ-MQ
2	210-187	12	FIG 6802-6-6/E45-MJ-MQ
3	213-516	1	COIL CAP F/T P13973-1A MAN OVERRIDE SV10-21P
4	232-050	2	DECL S/N (SILVER)
5	232-058	1	DECAL FASSE BLK/GOLD 1"X.75" RND CRNR
6	253-071	8	CDL H/F 4304010 E-8 INTG DEUT 10V ZENER DODE
7	253-800	8	COIL H/F 4304110 E-10 INTG DEUT DTR 10V
8	270-194	1	MAN S16095-3 BDA 1MTR AL
9	273-008	1	CART H/F SV10-40-Q-N-00 SPL 4W
10	273-016	4	CART SV08-24-D-N-00
11	273-018	1	CART SV10-23-D-N-00
12	273-019	2	CART H/F SV10-24-Q-N-00 SPL 2W NC
13	273-044	1	CART H/F CV12-20-D-N-5 CV 5PSI
14	273-088	1	CART H/F SV10-20M-D-N-00 POP 2W NC MAN OVERRIDE
15	273-138	2	CART H/F SV10-28-D-N-00 POP 2W 2P
16	273-308	1	CART V6N 2710 FLOW CNTR
17	273-361	1	CART H/F FR10-20F-D-N-6.0
18	273-500	2	CART H/F SV08-28-D-N-00 2P POP NC BI-DIR
19	273-527	1	CART H/F RV10-22H-D-N-35/20 RLF DIFF AREA POP 2000PSI
20	273-867	2	CART SV08-26-D-N-00
21	273-984	1	CART SV10-21P-Q-N-00

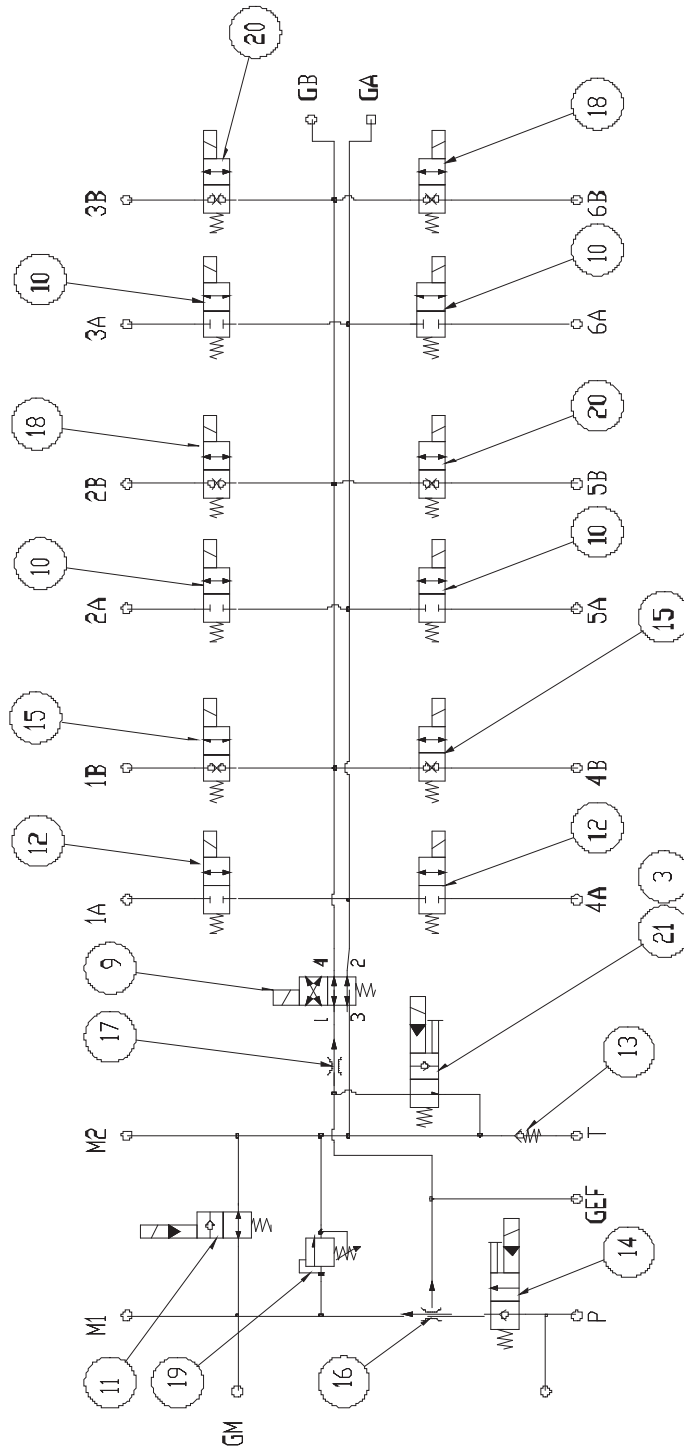
USE (HR-) AS PREFIX WHEN ORDERING THESE PARTS:
EXAMPLE (HR-214-002)



REVISIONS		UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE	
REV	DESCRIPTION	FORM #	DATE	APPROVED	DESIGNED	DRAWN	DATE
12-2014	RELIEF DRAWING	12-2014	02/25/13	DLG	DLG	DLG	02/25/13
12-2014	UPDATED DRAWING	12-2014	06/19/13	DLG	DLG	DLG	06/19/13
14-2018	UPDATED DRAWING	14-2018	4/9/14	DLG	DLG	DLG	4/9/14
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FASSE VALVES SEVEN KNOX PARK KEARNY, NE 08855-2348	
MANI ASSY VER5A 70R 6DA 1MTR QLS0 E-INTG DTR 10V PT6400-8 WP6802-6	FWM NO
302-586	DWG NO
SCALE	SHEET 1 OF 2

HYDRAULIC SCHEMATIC



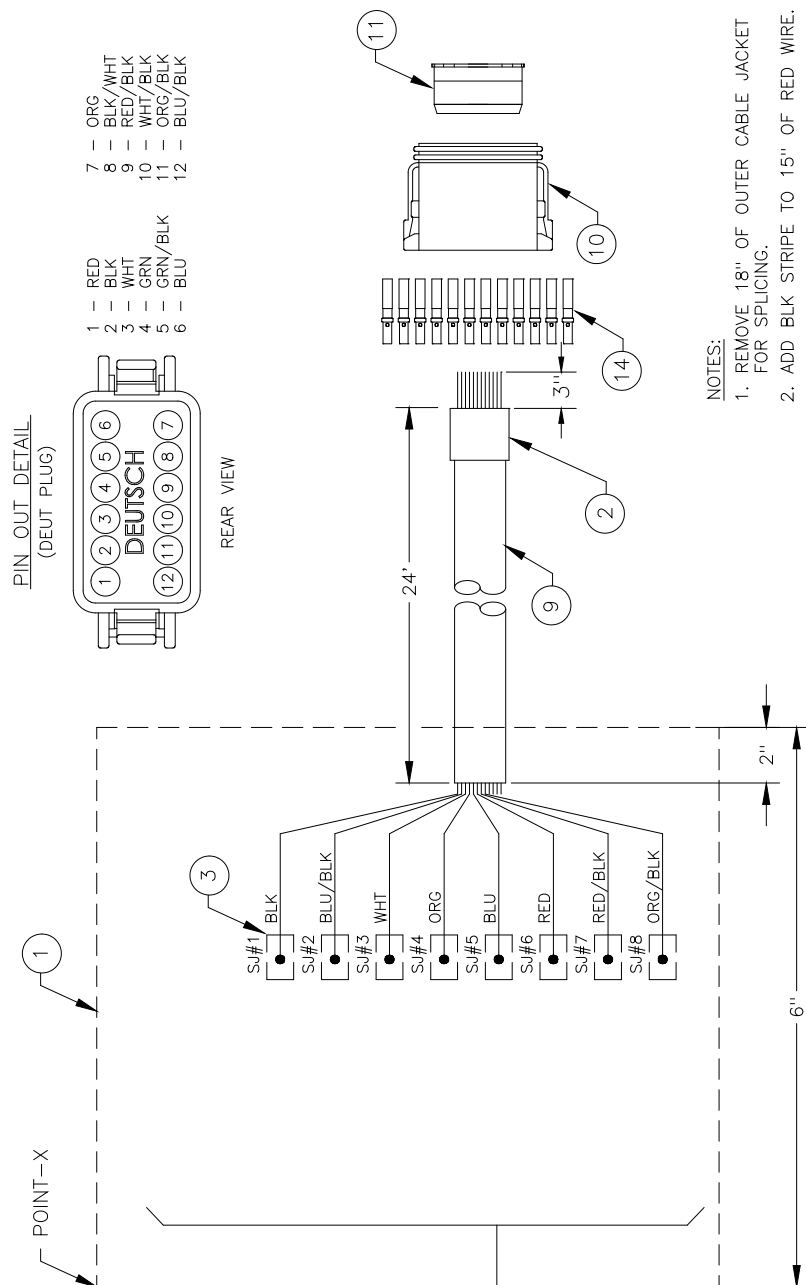
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2. PL DECIMALS 3. PL DECIMALS ANGLES FRACTIONS	SIGNATURES	DATE		FASSE VALVES SEVEN ROYAL PARK KEARNEY, NE 68848-2348
	DRAFTER DLG	02/25/13		
	ENGINEER BWL	02/25/13		
	MANI ASSY VERSA 7QIR 6DA 1WIR CLSD E-INTG DTR 10V PT6400-8 WP6802-6			
	PSCM NO			
	DWG NO	302-586		
	SCALE	SHEET 2 OF 2		

Part No. HR-312-071

PARTS LIST

Nº	PART NUMBER	QTY	PART DESCRIPTION
1	231-008	6"	SHRINKTUBING .750" BLK
2	231-009	4"	SHRINKTUBING .500" BLK
3	231-250	8"	SHRINKTUBING .250" BLK
4	252-056	32"	WIRE 18GA ORG
5	252-057	17"	WIRE 18GA BLU
6	252-058	19"	WIRE 18GA BLK
7	252-059	29"	WIRE 18GA RED
8	252-062	15"	WIRE 18GA WHT
9	252-064	25.5'	CABLE 12CON 18GA PVC GRN
10	255-213	1	CNTR DEUTSCH 12PIN PLUG DT
11	255-215	1	CNTR DEUTSCH LOCK WEDGE 12PIN DTP
12	255-505	16	CNTR DEUTSCH LOCKWEDGE 2PIN DTP
13	255-801	16	CNTR DEUTSCH 2PIN PLUG DT
14	255-978	44	CNTR DEUTSCH SOCKET 16/18GA

USE (HR-) AS PREFIX WHEN ORDERING THESE PARTS:
EXAMPLE (HR-214-002)



- NOTES:**
1. REMOVE 18" OF OUTER CABLE JACKET FOR SPLICING.
2. ADD BLK STRIPE TO 15" OF RED WIRE.
3. ADD BLK STRIPE TO 17" OF ORG WIRE.

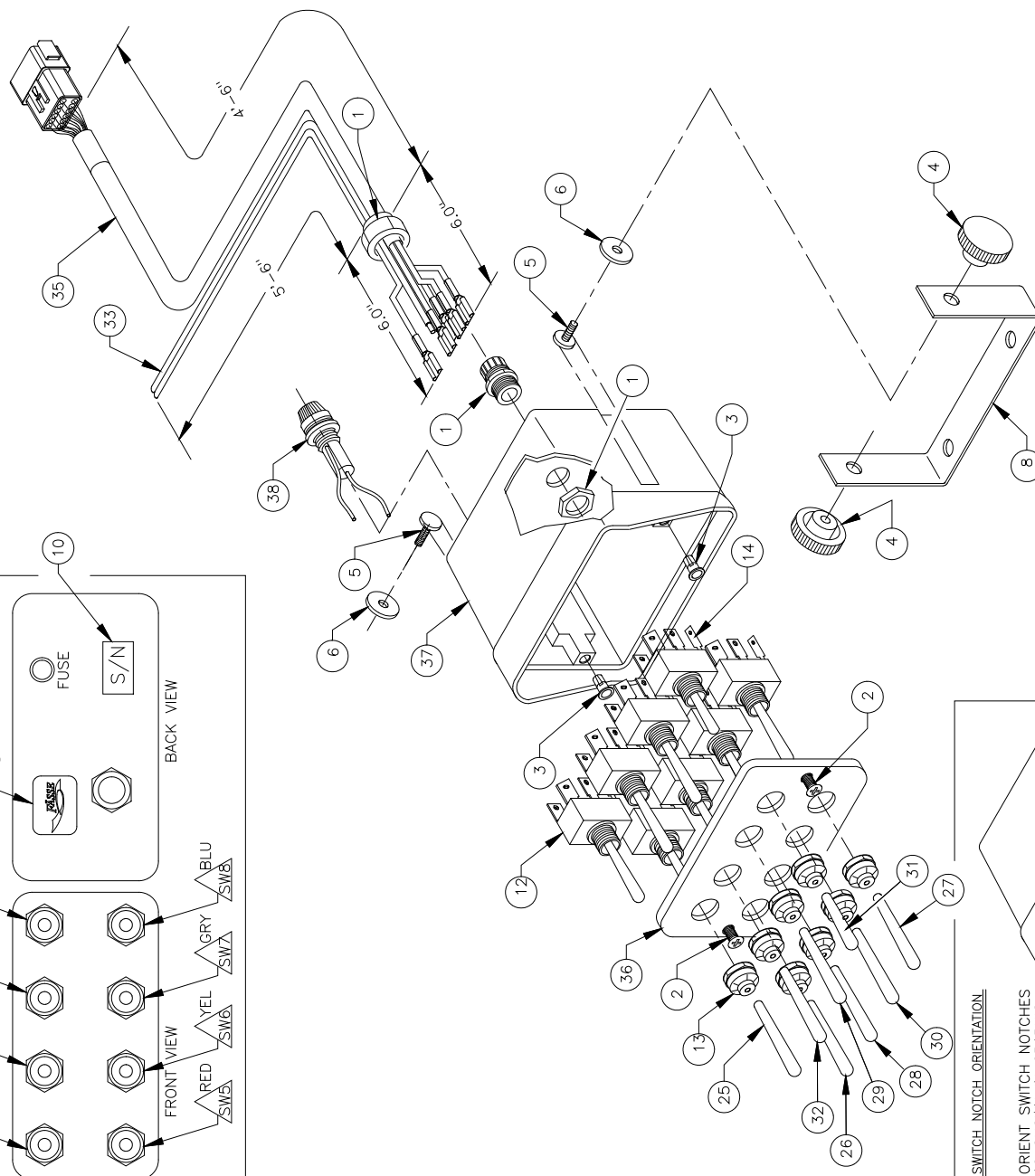
[illegible]

N ^o	PART NUMBER	QTY	PART DESCRIPTION
1	210-710	1	STR RLF HEYCO .23"--.53"ID HOLE DIA .886"
2	212-184	2	SCREW 6-32 X 3/8 OVAL HD BLK
3	212-202	2	INSERT 6-32X3/8 BRASS
4	212-215	2	KNOB 1/4-20 FEMALE
5	212-231	2	SCREW WELDED 1/4-20 X .500
6	213-335	2	WASHER NYLON .257X.875X.060
7	214-002	14	CABLE TIE BLACK 7"
8	219-300	1	BRKT HSGN MONITOR
9	230-057	1	BAG POLY CLR 14 X 18 2MIL W/LOGO
10	232-050	2	DECL S/N (SILVER)
11	232-058	1	DECAL FASSE BLK/GOLD 1"x.75" RND CRNR
12	250-013	7	SW TOG DPDT 3P MOM LONG
13	250-023	8	SW TOG BOOT OPN GRY
14	250-701	1	SW TOG DPDT 2POS STAT SHORT
15	252-058	1'	WIRE 18GA BLK
16	252-059	1.5'	WIRE 18GA RED
17	252-060	1'	WIRE 18GA GRN
18	254-001	1	DIODE D116A2 6AMP
19	255-002	31	TRM T-TAP F PO BLU
20	255-006	11	TRM PO F INS 22/18GA
21	255-030	4	TRM SPICE CLOSED END
22	255-070	2	TRM PO M/F 16-14GA
23	255-119	3	TRM PO F INS 16-14GA
24	255-285	1	TRM SPICE CLOSED END LRG 14-16GA
25	259-004	1	SW TOG GRIP VNYL WHT .187
26	259-005	1	SW TOG GRIP VNYL RED .187
27	259-015	1	SW TOG GRIP VNYL BLU .187
28	259-022	1	SW TOG GRIP VNYL YEL .187
29	259-023	1	SW TOG GRIP VNYL GRN .187
30	259-027	1	SW TOG GRIP VNYL GRY .187
31	259-031	1	GRIP TOG VNYL BLK .187"
32	259-044	1	SW TOG GRIP VNYL MNLGHT BLU .187/1.5"
33	300-271	1	HARNSS R/B WIRE /6'
34	300-327	3	DIODE ASSY 6A05/1/INTERNAL
35	309-436	1	HARNSS 12CON DTR 12PN(12)/5'
36	312-073	1	ENCL DRILL FP MNTX SW8 L00261
37	319-725	1	ENCL DRILL MNTBXP FH-7/8" STR RLF
38	319-769	1	FUSEHOLDER PANEL MOUNT ASSY 10A /5'

USE (HR-) AS PREFIX WHEN ORDERING THESE PARTS:
EXAMPLE (HR-214-002)

NOTES:

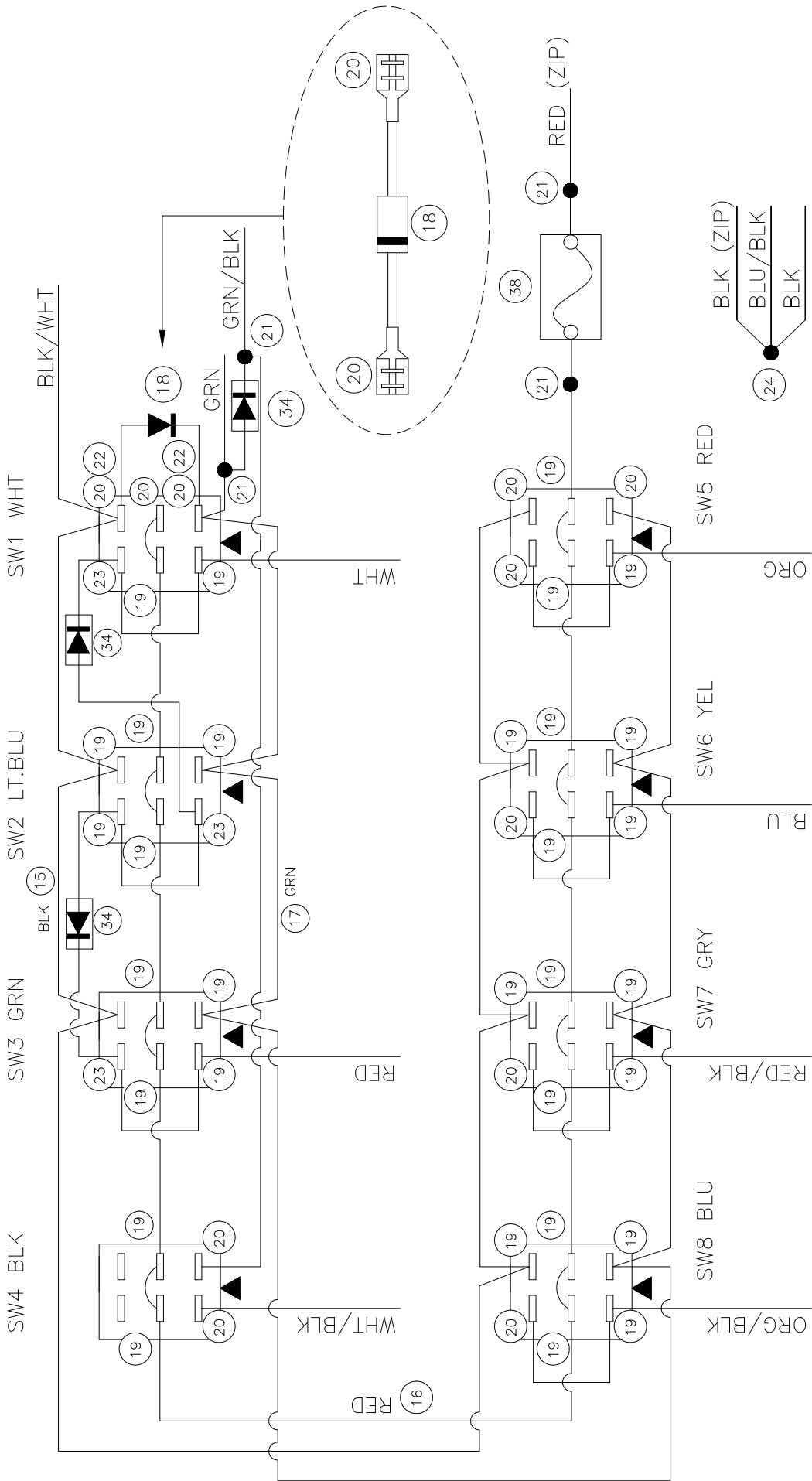
1. USE 2-CABLE TIES TO COIL UP HARNESS
2. PUT REMAINING CABLE TIES IN BAG
3. NOT SHOWN:  7 9



- ORIENT SWITCH NOTCHES AS SHOWN IN GRAPHIC
- USE THE ANGLE VALUES SHOWN AS REFERENCE

REV.	DESCRIPTION	REVISIONS	FORM #	DATE	APPROVED	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. FRACTIONS 2. PL DECIMALS 3. ANGLES	SIGNATURES	DATE	 FASSE VALVES 1000 W. 10TH AVE. KENNY, NE 68848-2348
	RELEASED DRAWING		12-0046	02/25/13	DLG	02/25/13			
							ENGRG	02/25/13	MNTN TOG8 DTR 12P(12) 4.5' PSOM NO _____ DNG NO _____ SCALE _____ SHEET # _____ OF _____

SWITCH WIRING DIAGRAM



UNLESS OTHERWISE SPECIFIED		SIGNATURES	DATE
TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWER	02/26/13
2 PL DECIMALS		DWG	
FRACTIONS		ENGR	
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FSCM NO		MNTN TOG8 DTR 12P(12) 4.5'	
SCALE		DWG NO 312-072	
		SHEET 2 OF 2	



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