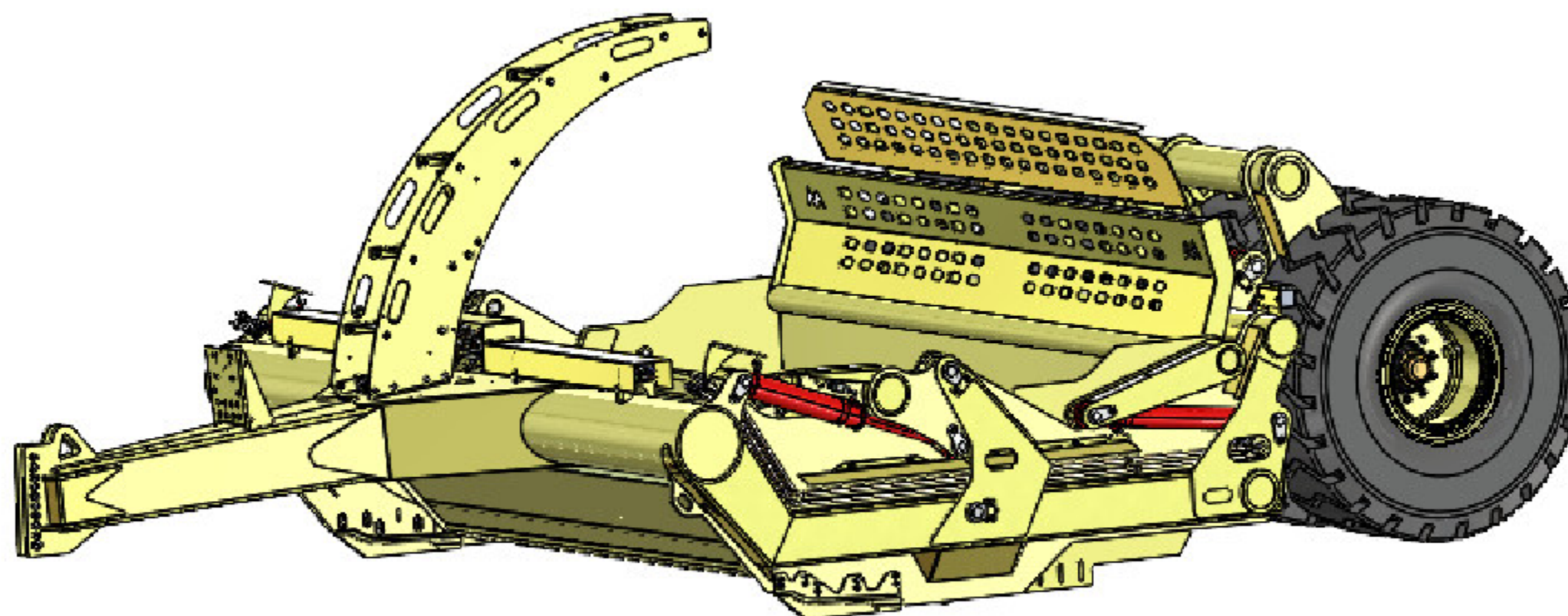
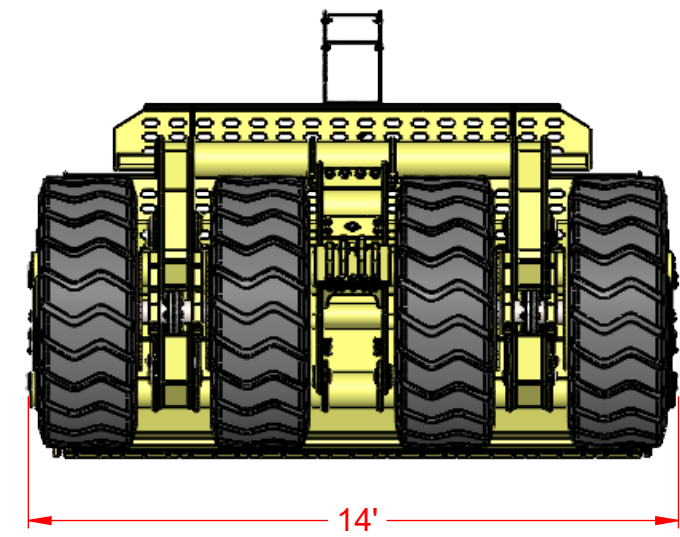
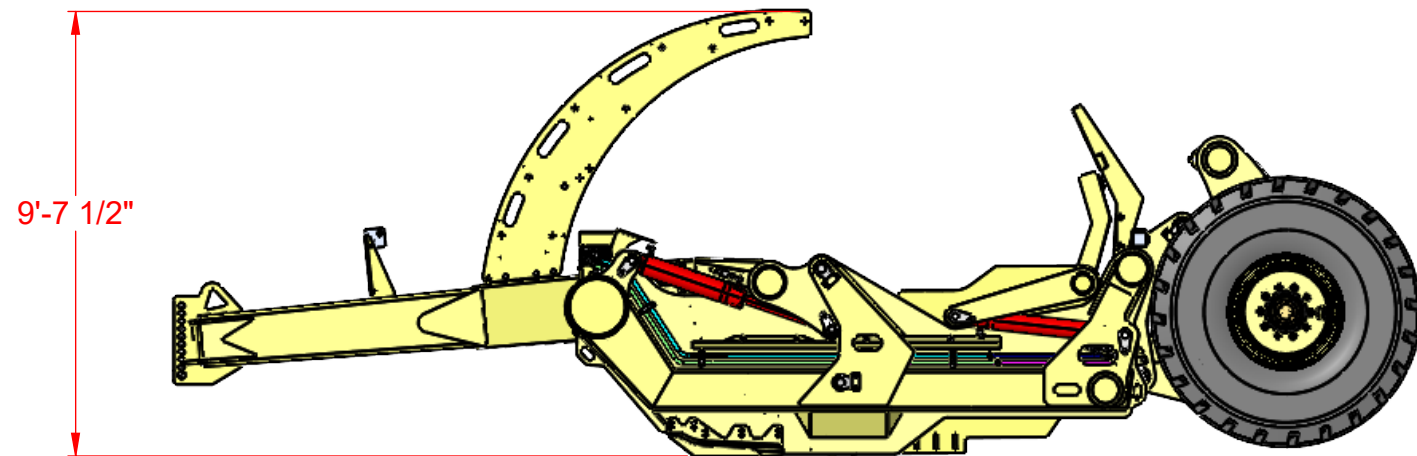
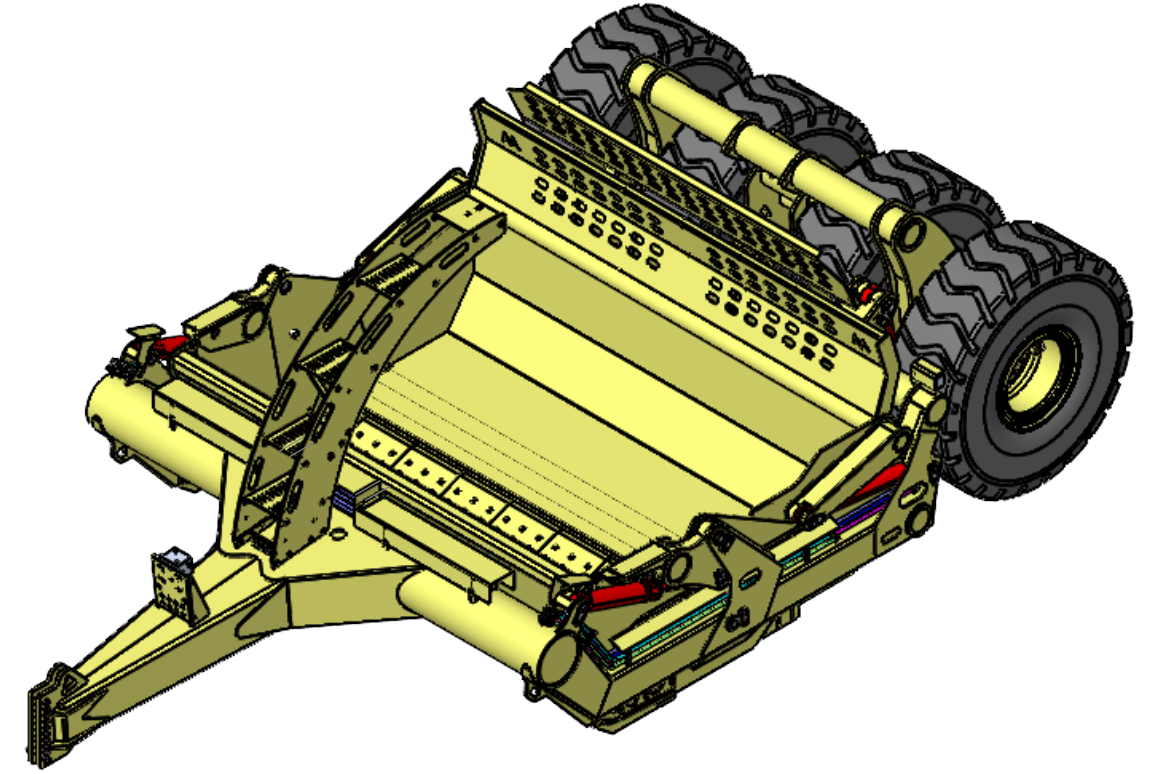
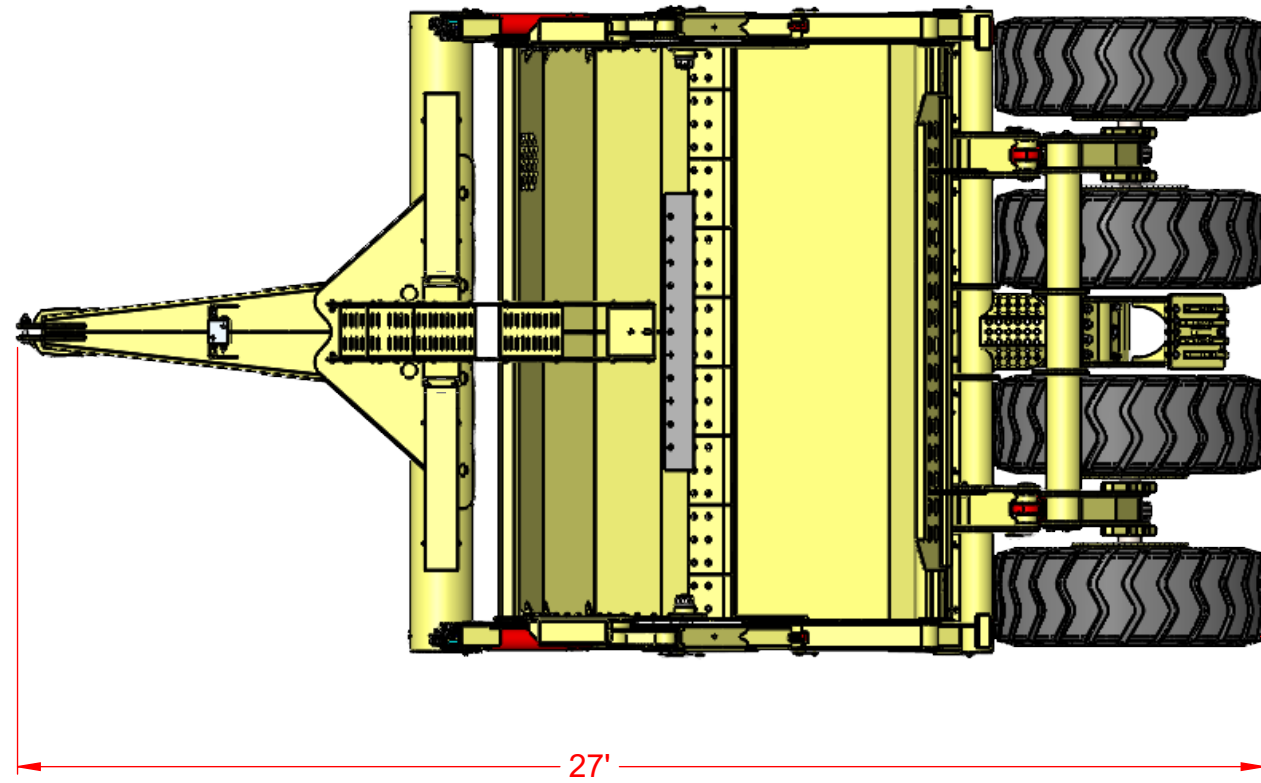


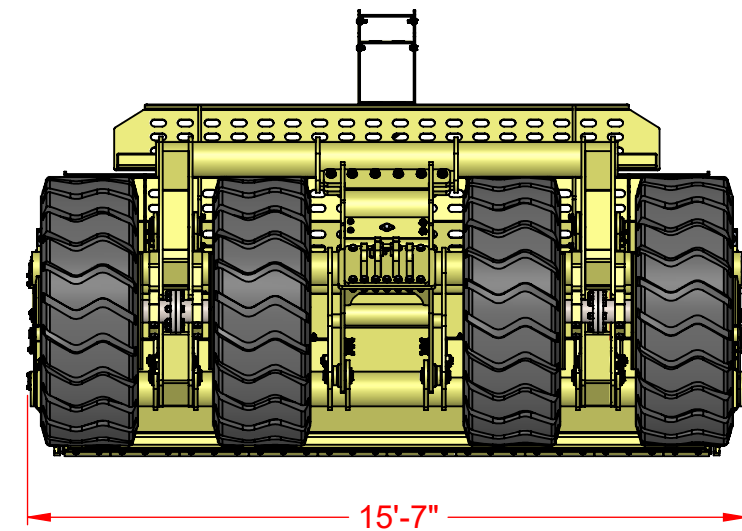
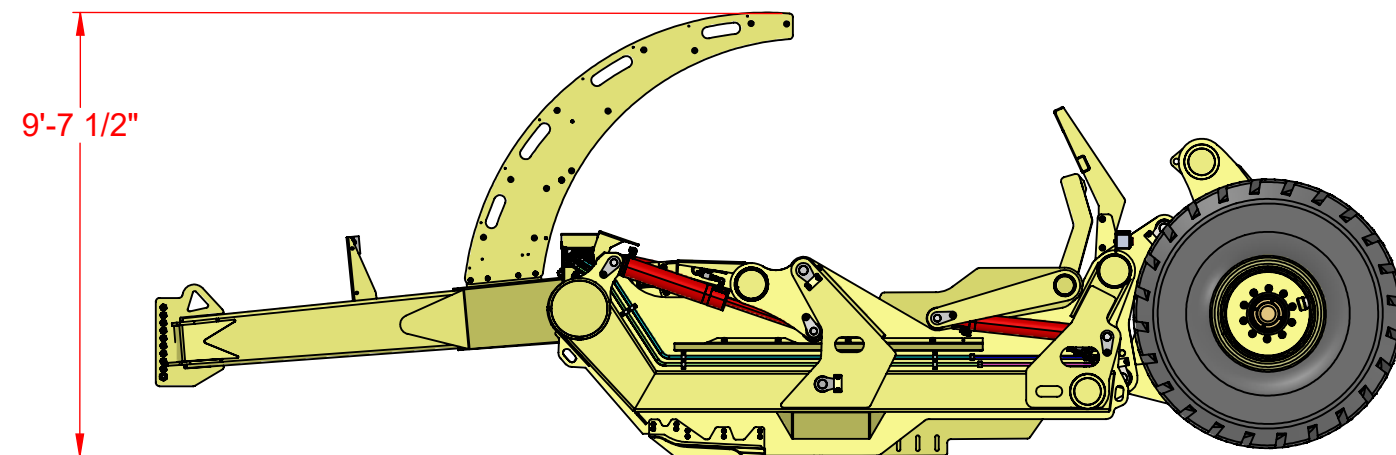
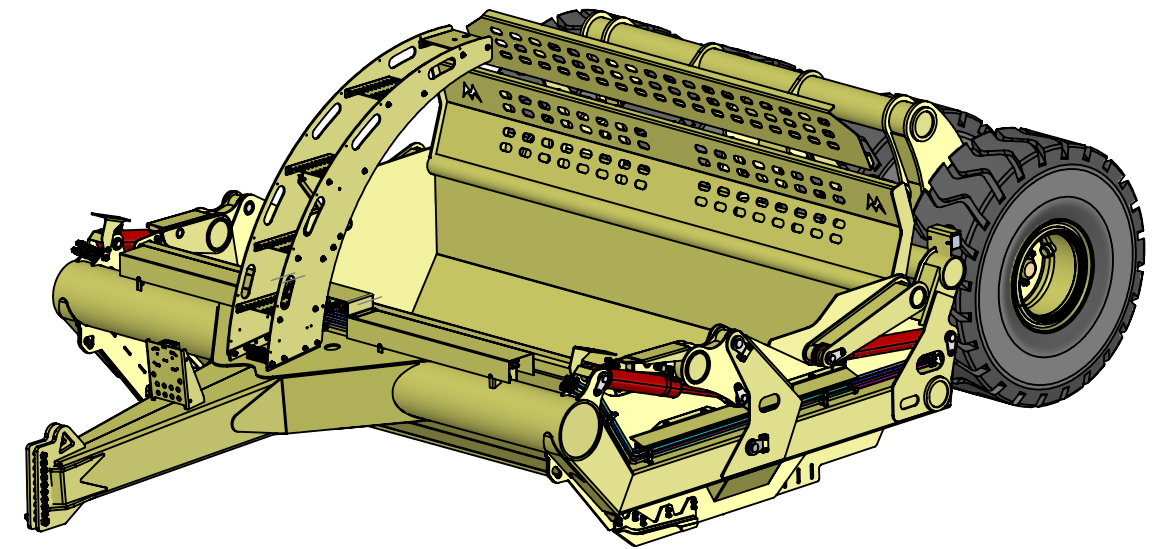
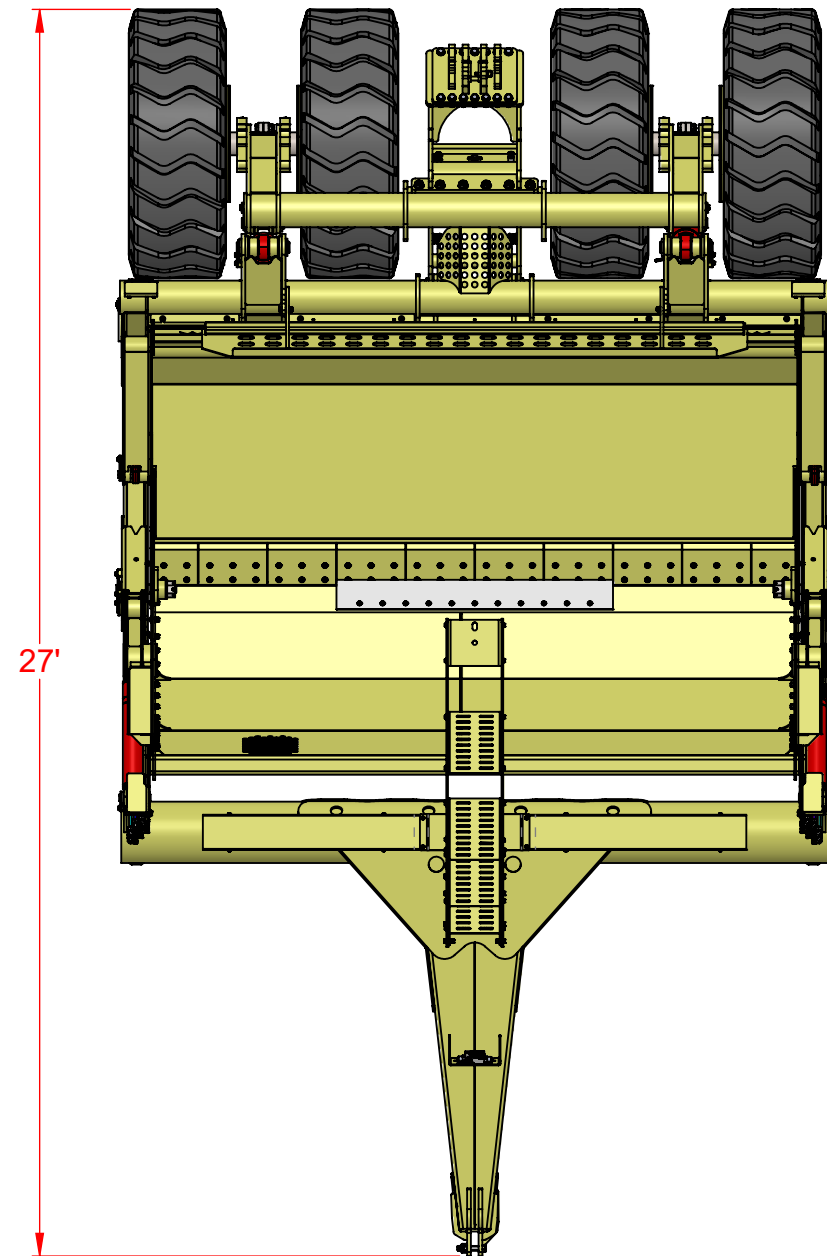


PARTS MANUAL
2212D - 2614D
PIVOT DUMP SCRAPER



2212D

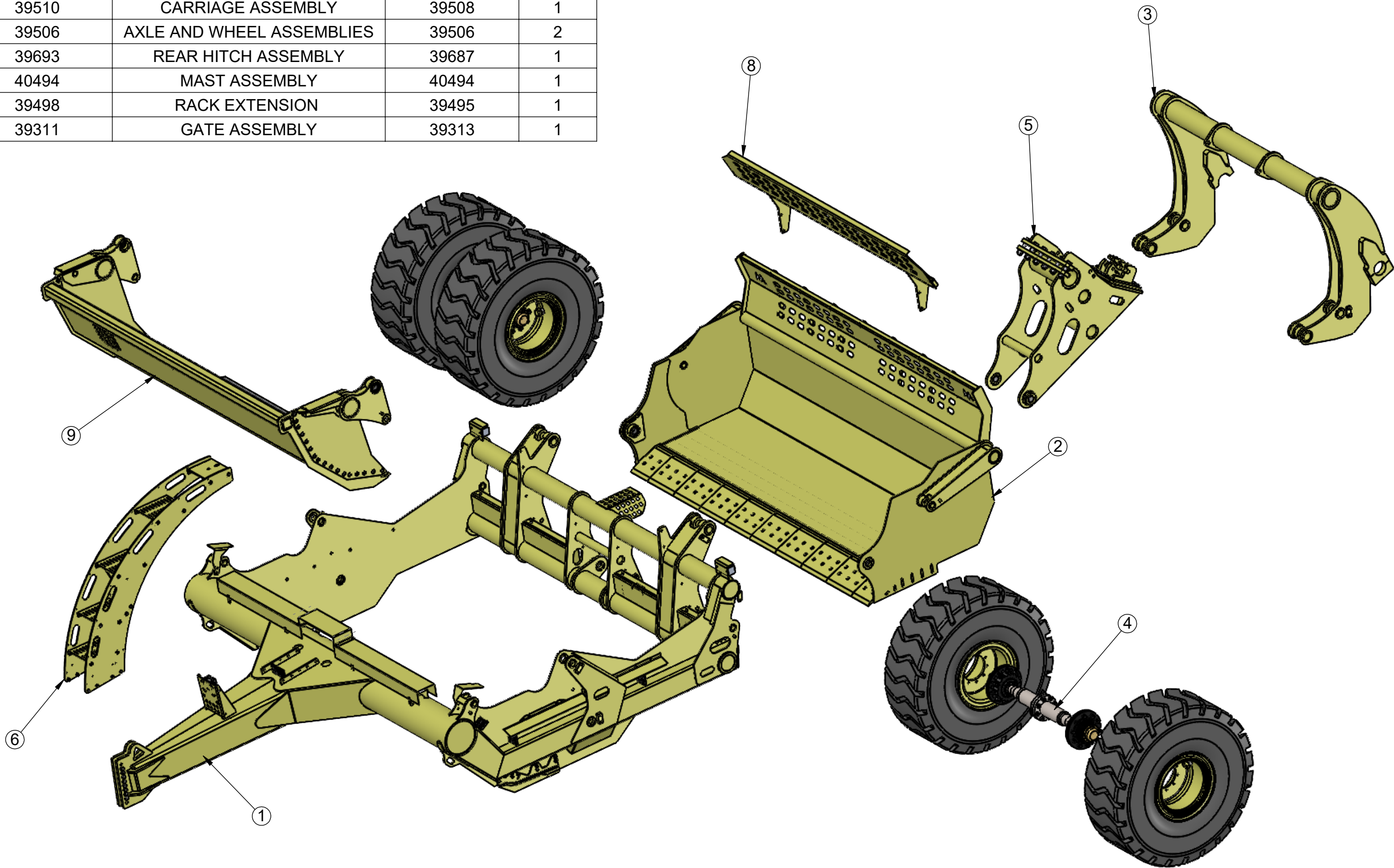
32,000 lbs. with 23.5x25 tires

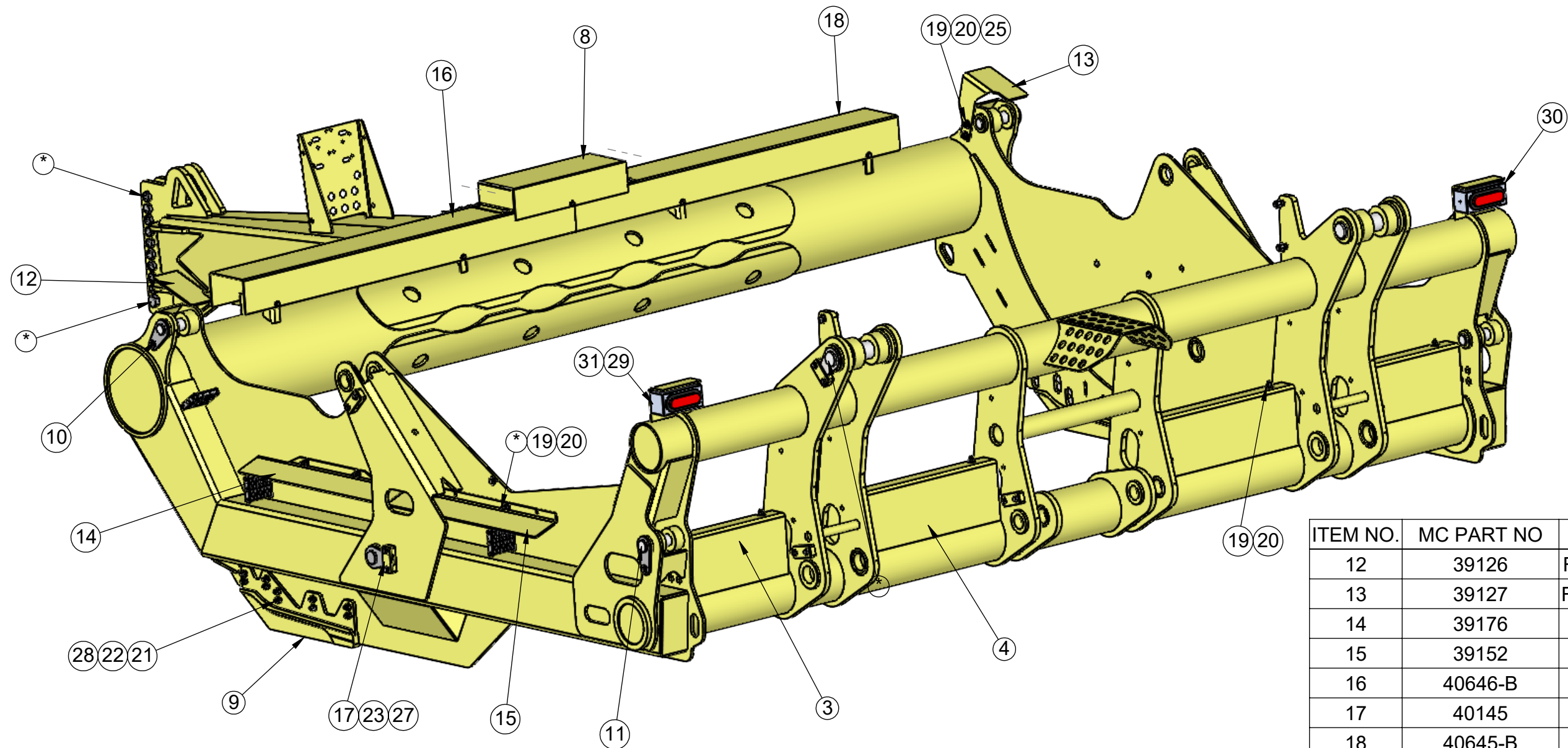


2614D

33,200 lbs

ASSEMBLIES				
ITEM NO.	2614D PART NO	PART NAME	2212D PART NO	QTY.
1	39293	MAIN FRAME ASSEMBLY	29292	1
2	39403	BUCKET ASSEMBLY	39493	1
3	39510	CARRIAGE ASSEMBLY	39508	1
4	39506	AXLE AND WHEEL ASSEMBLIES	39506	2
5	39693	REAR HITCH ASSEMBLY	39687	1
6	40494	MAST ASSEMBLY	40494	1
8	39498	RACK EXTENSION	39495	1
9	39311	GATE ASSEMBLY	39313	1

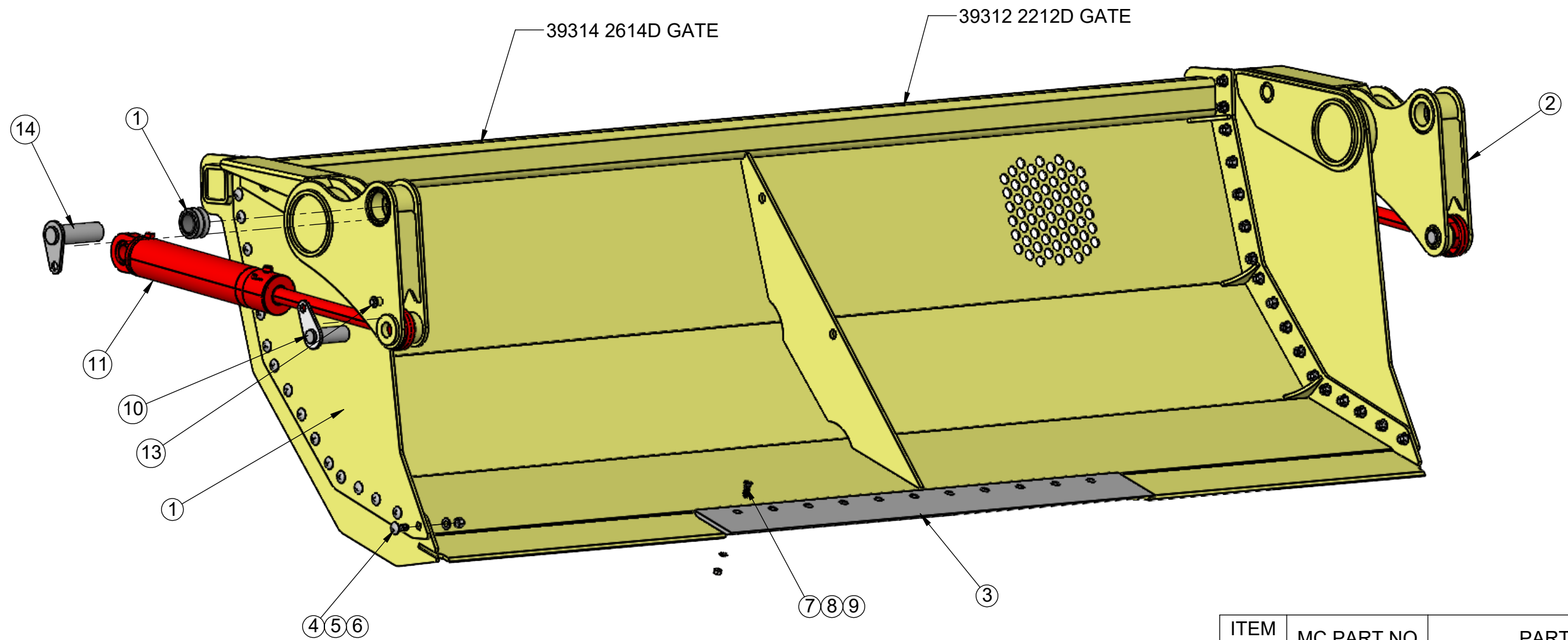




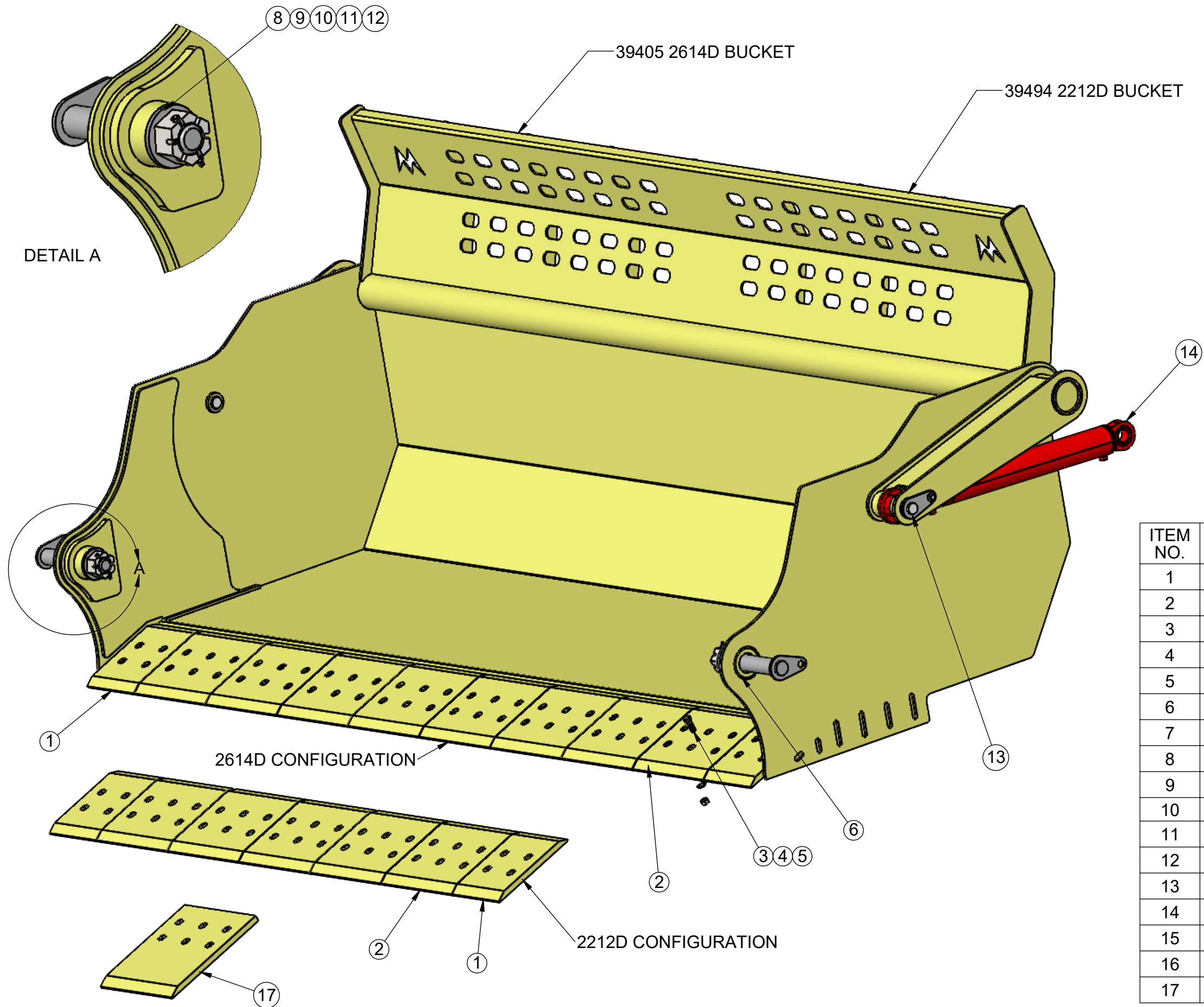
ITEM NO.	MC PART NO	PART NAME	QTY.
1	39293	MAIN FRAME ASSY 14'	1
2	50623	2 ROW BASE PLATE	1
3	39159	REAR HOSE MOUNT COVER	2

ITEM NO.	MC PART NO	PART NAME	QTY.
4	39155	REAR HOSE MOUNT COVER	2
5	50628	4 HOLE CLAMP ASSY	2
6	40289	GATE CYL B OUT D	2
7	.50 x 1.5 HB	.50-13 x 1.5 GR8 HEX BOLT	8
8	26297	FRONT CENTER SHIELD	1
9	50905	ROUTER BIT	2
10	40122	GATE CYL BARR END D	2
11	40113	DUMP CYL PIN	2

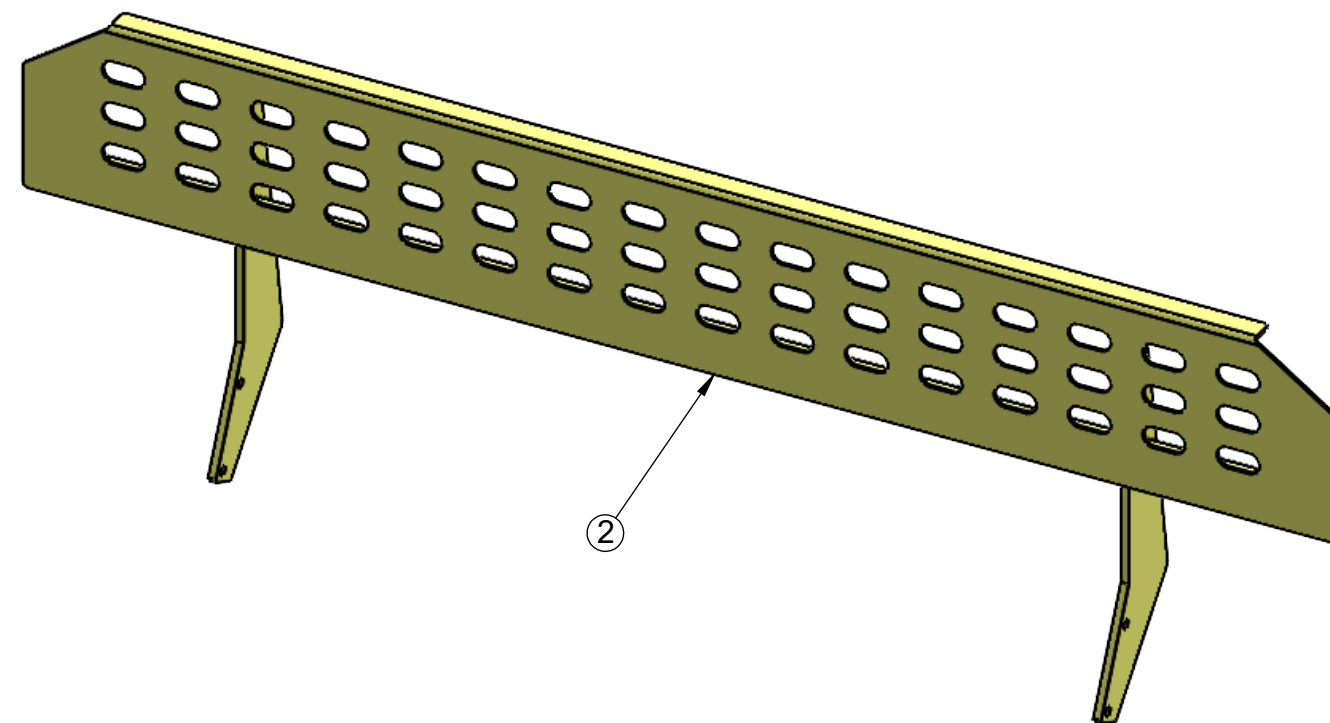
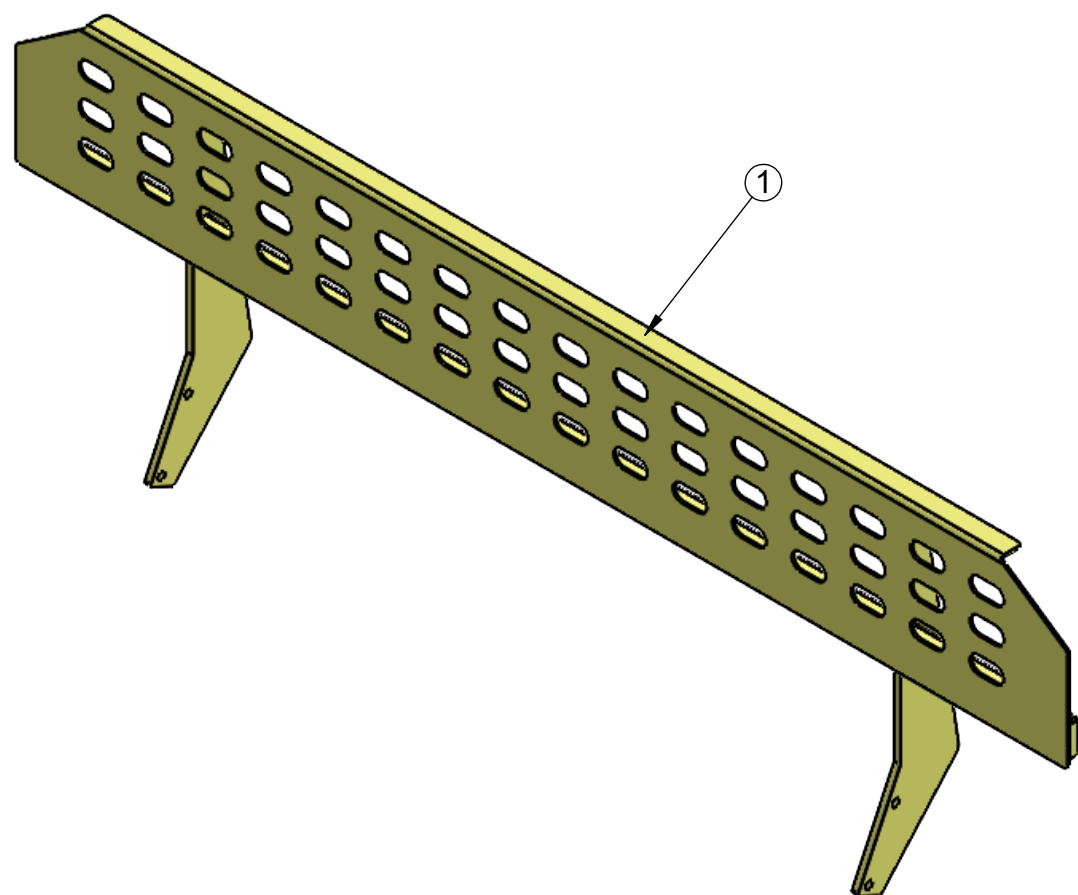
ITEM NO.	MC PART NO	PART NAME	QTY.
12	39126	FRONT CORNER GUARD LH	1
13	39127	FRONT CORNER GUARD RH	1
14	39176	HYD PIPES SHIELD	2
15	39152	HYD PIPES SHIELD	2
16	40646-B	FRONT SHIELD-LH	1
17	40145	PIN HOLDER CAP	10
18	40645-B	FRONT SHIELD-RH	1
19	.50 FW	.50 GR8 FLAT WASHER	20
20	.50-13 HLN	1/2"-13 NYLOCK NUT	20
21	.625 x 2 CB	.625-11 x 2 CARRIAGE BOLT	23
22	.625 HN	.625-11 GR8 HEX NUT	23
23	.50 x 1 HB	.50-13 x 1 GR8 HEX BOLT	27
24	.50 FW	.50 GR8 FLAT WASHER	5
25	.50-13 X 1.50 CB	CARRIAGE BOLT	4
26	.50 FW	.50 GR8 FLAT WASHER	2
27	.50 LW	LOCK WASHER	20
28	.625 LW	.625 GR8 LOCK WASHER	23
29	51500	LH LIGHT BOX	1
30	51501	RH LIGHT BOX	1
31	50105	SAFETY LIGHT ASSEMBLY	2



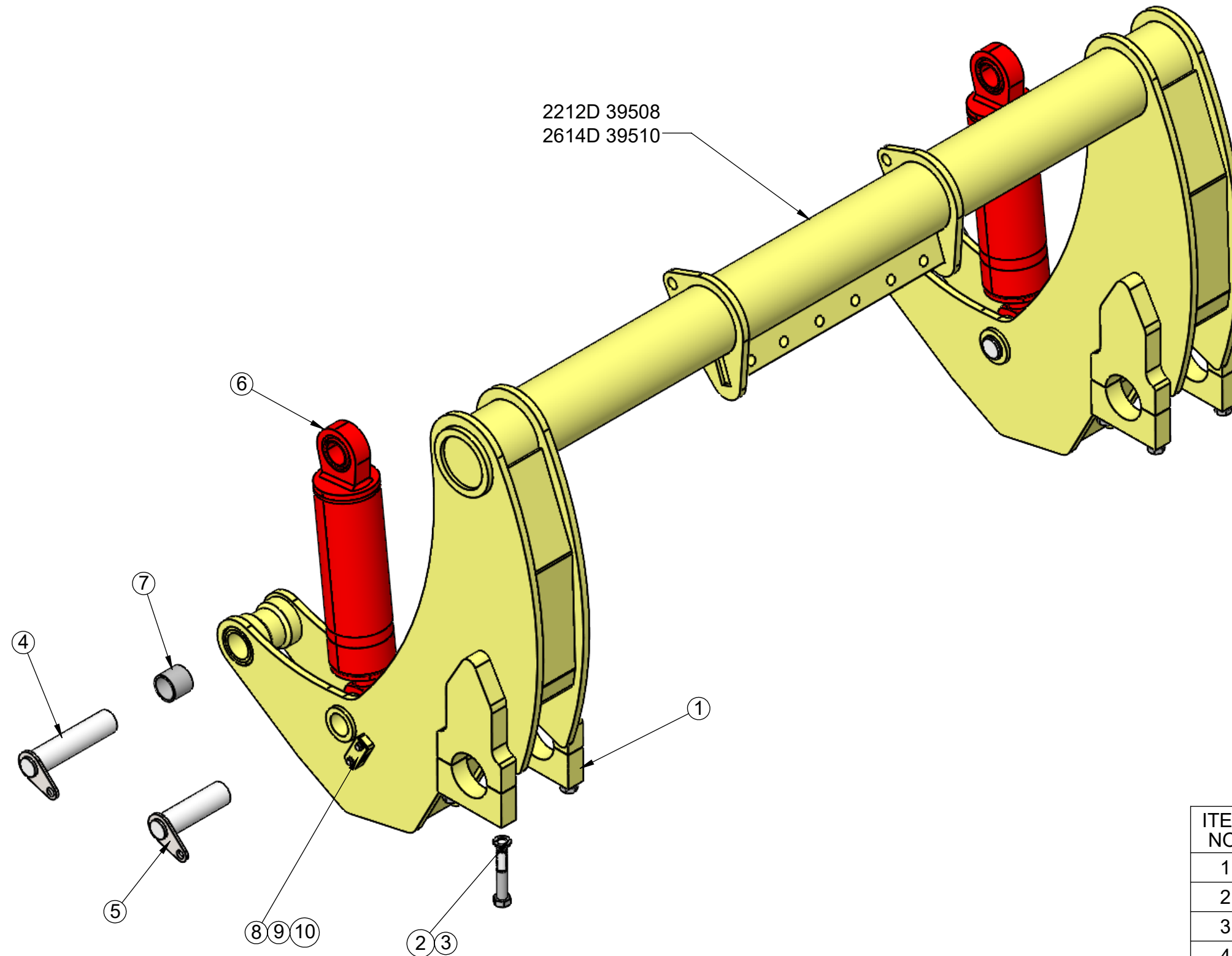
ITEM NO.	MC PART NO	PART NAME	QTY.
1	39308	GATE SIDE WDMT LH	1
2	39309	GATE SIDE WDMT RH	1
3	32317	BLADE	1
4	.75-10x2 CB	CARRIAGE BOLT	39
5	.75 FW	.75 GR8 SAE FLAT WASHER	39
6	.75 HLN	.75-10 GR8 HEX LOCK NUT	39
7	.625-11 X 2 PB	.625-11 X 2 PLOW BOLT	11
8	.625 HN	.625-11 GR8 HEX NUT	11
9	.625 LW	.625 GR8 LOCK WASHER	11
10	40124	GATE CYL ROD END D	2
11	50301	4.5 x 20 GATE CYL	2
12	.50 FW	.50 GR8 FLAT WASHER	1
13	.50 x 1 HB	.50-13 x 1 GR8 HEX BOLT	1
14	40123	GATE PIVOT PIN	1



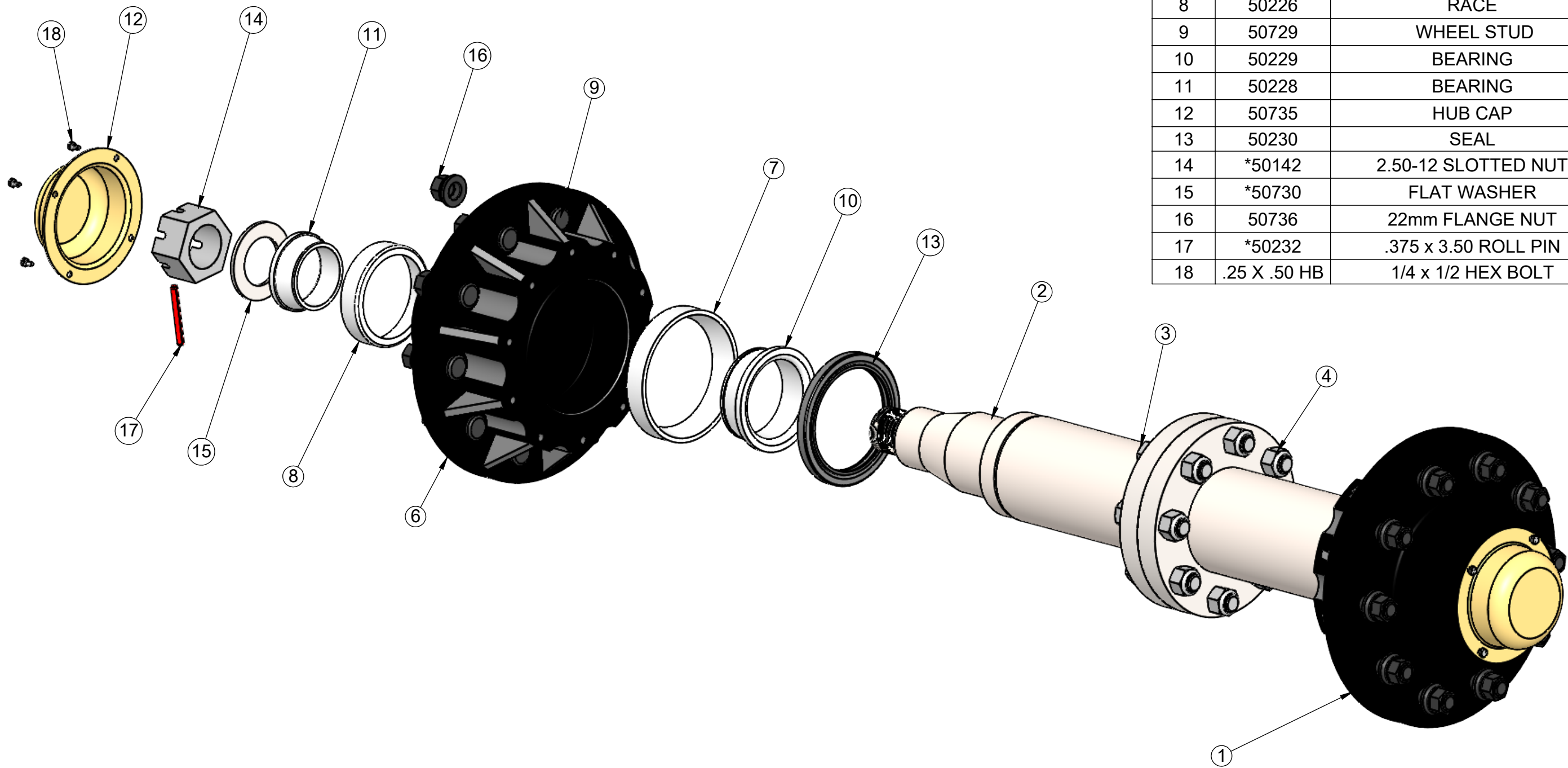
ITEM NO.	MC PART NO	PART NAME	QTY.
1	50900	12 x 16 BLADE	2
2	50915	18 x 16 BLADE	8
3	.75 x 2.5 PB	.75-10 x 2.5 PLOW BOLT	56
4	.75 FW	.75 GR8 SAE FLAT WASHER	56
5	.75 HN	.75-10 GR8 HEX NUT	56
6	50531	2.50 SPHERICAL BEARING	2
7	40128	BUCKET PIVOT PIN ASSY	2
8	40148	DUMP PIVOT WASHER	1
9	50141	2.50-4 SLOTTED NUT	1
10	.375-16 x 4.5 HB	HEX BOLT	1
11	.375 HLN	.375 LOCK NUT	1
12	40129	BUCKET PIVOT PIN WLDMT	1
13	40126	DUMP CYL PIN	2
14	50309 RR	4.0B X 31.5S HYD CYL	2
15	.50 FW	.50 GR8 FLAT WASHER	2
16	.50 x 1 HB	.50-13 x 1 GR8 HEX BOLT	2
17	50918	18 X 20 Frostbit	



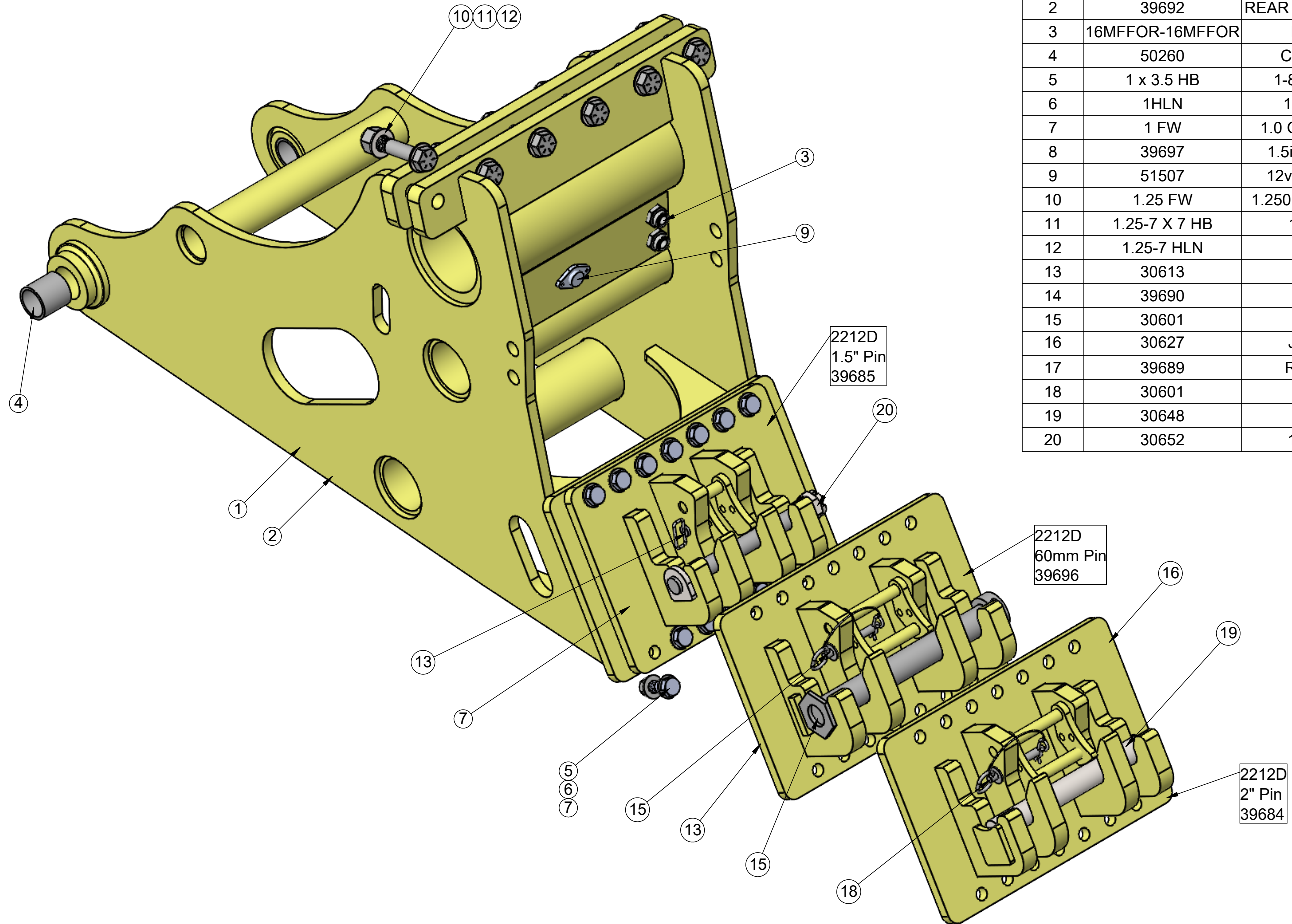
ITEM NO.	MC PART NO	PART NAME	QTY.
1	39494	2212D RACK EXTENSION	1
2	39405	2614D RACK EXTENSION	1



ITEM NO.	MC PART NO	PART NAME	QTY.
1	39514	SPINDLE HOUSING CLAMP	4
2	1.25 LW	1.25 LOCK WASHER	8
3	1.25-7 X 7 HB	1.25-7 X 7 HEX BOLT	8
4	40130	PIVOT PIN	2
5	40131	CYL ROD PIN	2
6	50313	7x17 LIFT CYLINDER	2
7	50263	COMPOSITE BUSHING	4
8	40145	PIN HOLDER CAP	2
9	.50 LW	LOCK WASHER	4
10	.50 x 1 HB	.50-13 x 1 GR8 HEX BOLT	4

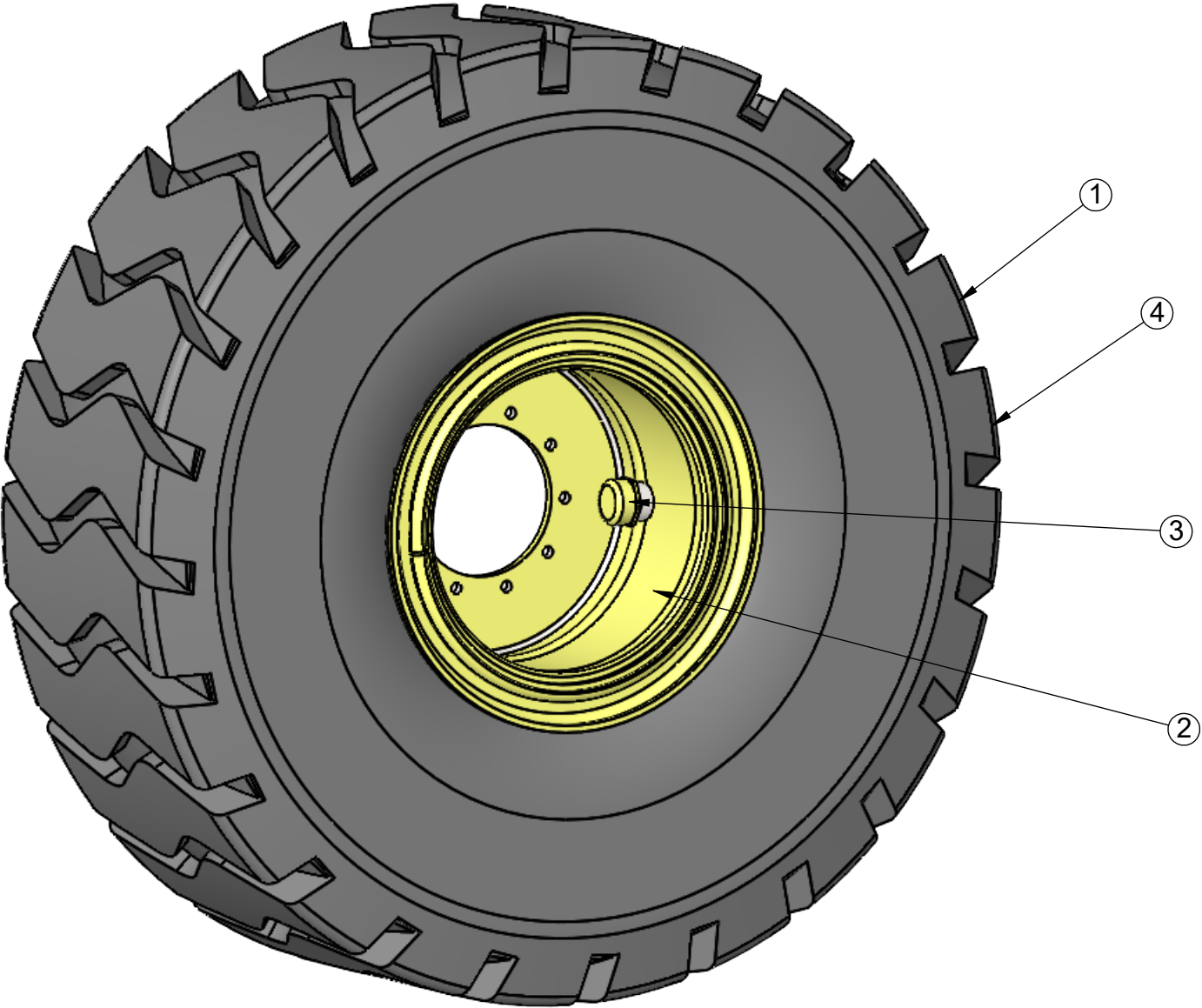


ITEM NO.	MC PART NO	PART NAME	QTY.
1	50740	HUB ASSEMBLY	2
2	39504	SPINDLE	2
3	1-8 X 4.0 HB	HEX BOLT	8
4	1HLN	1-8 GR8 NYLOCK NUT	8
5	50740	HUB ASSEMBLY	2
6	50741	G300 HUB	1
7	50227	RACE	1
8	50226	RACE	1
9	50729	WHEEL STUD	10
10	50229	BEARING	1
11	50228	BEARING	1
12	50735	HUB CAP	1
13	50230	SEAL	1
14	*50142	2.50-12 SLOTTED NUT	1
15	*50730	FLAT WASHER	1
16	50736	22mm FLANGE NUT	10
17	*50232	.375 x 3.50 ROLL PIN	1
18	.25 X .50 HB	1/4 x 1/2 HEX BOLT	4



ITEM NO.	MC PART NO	PART NAME	QTY.
1	39688	REAR HITCH WELDMENT 2212D	1
2	39692	REAR HITCH WELDMENT 2614D	1
3	16MFFOR-16MFFOR	BULKHEAD FITTING	4
4	50260	COMPOSITE BUSHING	2
5	1 x 3.5 HB	1-8 x 3.5 GR8 HEX BOLT	14
6	1HLN	1-8 GR8 NYLOCK NUT	14
7	1 FW	1.0 GR8 SAE FLAT WASHER	28
8	39697	1.5in REAR HITCH MOUNT	1
9	51507	12v POWER RECEPTACLE	1
10	1.25 FW	1.250 GR8 SAE FLAT WASHER	12
11	1.25-7 X 7 HB	1.25-7 X 7 HEX BOLT	6
12	1.25-7 HLN	1.25 LOCK NUT	6
13	30613	.625 Latch Pin	1
14	39690	REAR HITCH-60mm	1
15	30601	LOCK PIN	1
16	30627	JD Yoke Pull Pin Assy	1
17	39689	REAR HITCH-KTEC 2"	1
18	30601	LOCK PIN	1
19	30648	Ktec Drawbar Pin	1
20	30652	1.5" HITCH PIN ASSY	1

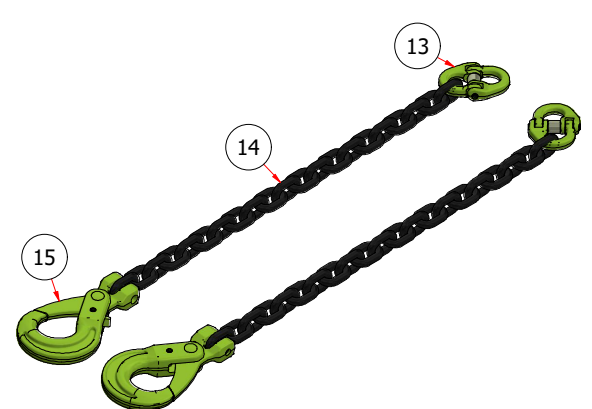
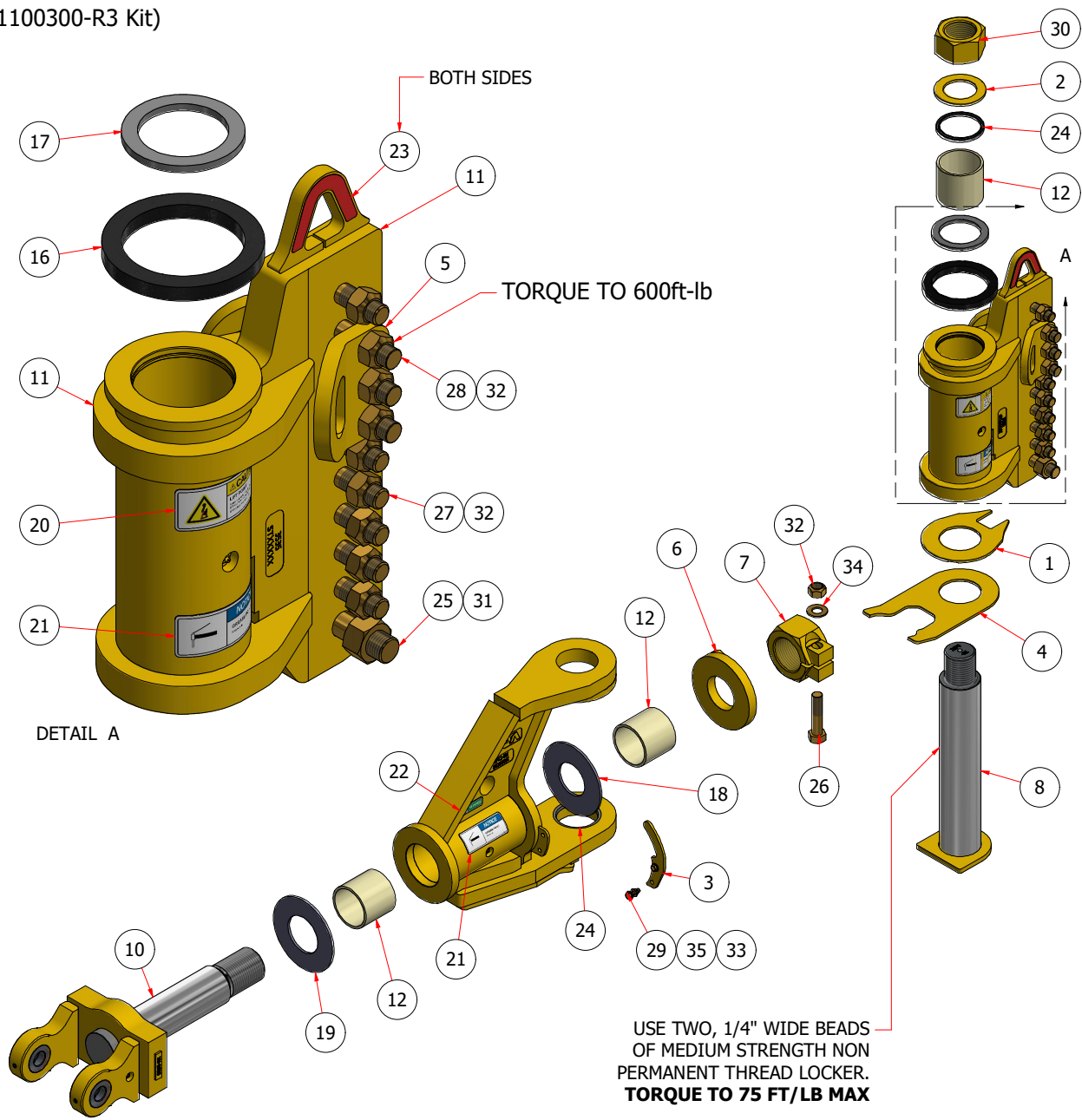
ITEM NO.	MC PART NO	PART NAME	QTY.
1	50705	23.5 x 25 TIRE (STANDARD)	4
2	50709	RIM ASSY	4
3	50721	CAP NUT	4
4	50707	26.5 x 25 TIRE (OPTIONAL)	4



SECTION 1.01

STRUCTURAL

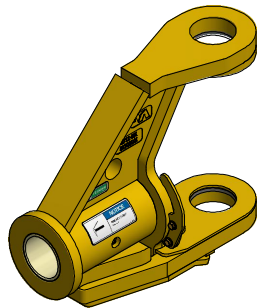
METALCRAFT SCRAPER HITCH
(301100300-R3 Kit)



SCRAPER HITCH COMPONENTS				
ITEM	QTY	PART NUMBER	REV	DESCRIPTION
1	1	101000106_cm_K	1	Grease Thrust Washer Vertical .pin
2	1	101001956_c_K-CY	0	Washer_knuckle_vert.pin
3	2	101009913_c_K-CY	0	Knuckle, Chain Keeper
4	1	101009914_cb_K-CY	0	Knuckle, Thrust Washer
5	2	101010052_cvb_H-CY	2	Knuckle_Safety Chain Ear
6	1	301000053_w_K-CY	0	Washer 3 1/2" Squeeze Nut
7	1	301000054_wms_K-CY	2	Thrust Nut (Knuckle)
8	1	301002676_w_K-CY	1	Pin Vertical_4" (PG shaft induction hardend)
9	1	301002711_wm_K-CY	8	Knuckle, Sub-weldment
10	1	301003258_w_K-CY	4	Yoke, Ashland UNC
11	1	301003535_wm_K-CY	0	Metalcraft Vertical Bushing
12	4	404000009	0	Comp Bushing 4.00" ID x 4.50" OD x 4.00"
13	2	405500014	0	5/8" Grade 100 Coupling Link
14	2	405500032	0	Chain Grade 100 5/8" 21 Links
15	2	405500039	0	5/8" Grade 100 Clevis Self-Locking Hook
16	1	409000021	0	Seal .75"-7.25" OD-5.50" ID
17	1	409000022	0	Seal .375"-5.50" OD-4.06" ID
18	1	409000034	0	Thrust Washer .25"-7.75" OD - 3.50" ID
19	1	409000100	1	Thrust Washer 0.250" x 8.00" OD x 4.063" ID
20	1	411000041	2	Decal - Caution Lift Point
21	2	411000046	2	Decal - Notice Grease Daily
22	1	411000102	1	Decal - Safety Tie Down
23	2	411000206	0	Decal - Lift Hook Highlight, Knuckle
24	2	422000003	0	Seal 4" Pin
25	1	BLT8C_1_1-4x6	0	Bolt Gr. 8 UNC 1-1/4" x 6"
26	1	BLT8C_1x4_1-2	0	Bolt Gr. 8 UNC 1" x 4-1/2"
27	6	BLT8C_1x5_1-2	0	Bolt Gr. 8 UNC 1" x 5-1/2"
28	3	BLT8C_1x7	0	Bolt Gr. 8 UNC 1" x 7"
29	4	BLT8C_3-8x1_1-4	0	Bolt Gr. 8 UNC 3/8" x 1-1/4"
30	1	NUT2C_3_m_N-CY	0	Nut Gr. 2 UNC 3" Machined and Painted
31	1	NUT8C_1_1-4	0	Nut Gr. 8 UNC 1-1/4"
32	10	NUT8C_1_STL	0	Nut Gr. 8 UNC 1" Stover Lock
33	4	NUT8C_3-8_STL	0	Nut Gr. 8 UNC 3/8" Stover Lock
34	1	WSH8_1_STR	0	Washer Gr. 8 - 1" Structural
35	8	WSH8_3-8_STR	0	Washer Gr. 8 - 3/8" Structural

USE TWO, 1/4" WIDE BEADS
OF MEDIUM STRENGTH NON
PERMANENT THREAD LOCKER.
TORQUE TO 75 FT/LB MAX

SECTION 1.01 KITS

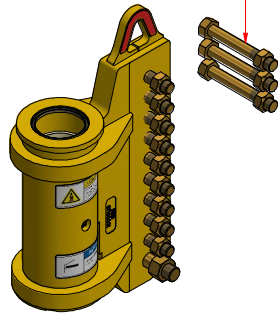


301100100-R3 Kit	
QTY	DESCRIPTION
4	Bolt Gr. 8 UNC 3/8" x 1-1/4"
2	Comp Bushing 4.00" ID x 4.50" OD x 4.00"
1	Decal - Notice Grease Daily
1	Decal - Safety Tie Down
2	Knuckle, Chain Keeper
1	Knuckle, Sub-weldment
1	Knuckle, Thrust Washer
4	Nut Gr. 8 UNC 3/8" Stover Lock
1	Seal .375"- 5.50" OD- 4.06" ID
1	Seal .75"-7.25" OD-5.50" ID
1	Seal 4" Pin
8	Washer Gr. 8 - 3/8" Structural

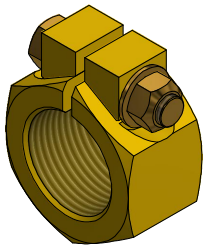


301100103 Kit	
QTY	DESCRIPTION
1	Nut Gr. 2 UNC 3" Machined and Painted
1	Pin Vertical_4" (PG shaft induction hardend)
1	Washer_knuckle_vert.pin

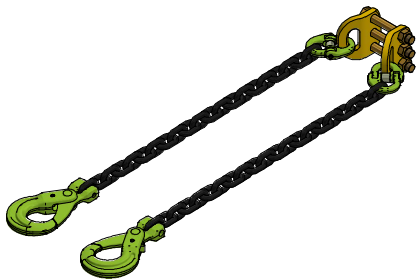
IF YOU HAVE SAFETY CHAINS,
USE LONGER INCLUDED BOLTS.



301100308 Kit	
QTY	DESCRIPTION
9	Bolt Gr. 8 UNC 1" x 5-1/2"
3	Bolt Gr. 8 UNC 1" x 7"
1	Bolt Gr. 8 UNC 1-1/4" x 6"
2	Comp Bushing 4.00" ID x 4.50" OD x 4.00"
1	Decal - Caution Lift Point
2	Decal - Lift Hook Highlight, Knuckle
1	Decal - Notice Grease Daily
1	Grease_Thrust_Washer_Vertical .pin
1	Metalcraft Vertical Bushing
12	Nut Gr. 8 UNC 1" Stover Lock
1	Nut Gr. 8 UNC 1-1/4"
1	Seal 4" Pin



301100248 Kit	
QTY	DESCRIPTION
1	Bolt Gr. 8 UNC 1" x 4-1/2"
1	Nut Gr. 8 UNC 1" Stover Lock
1	Thrust Nut (Knuckle)
1	Washer Gr. 8 - 1" Structural



21 LINK SAFETY CHAINS

301100268 Kit	
QTY	DESCRIPTION
2	5/8" Grade 100 Clevis Self-Locking Hook
2	5/8" Grade 100 Coupling Link
3	Bolt Gr. 8 UNC 1" x 7"
2	Chain Grade 100 5/8" 21 Links
2	Knuckle_Safety Chain Ear
3	Nut Gr. 8 UNC 1" Stover Lock

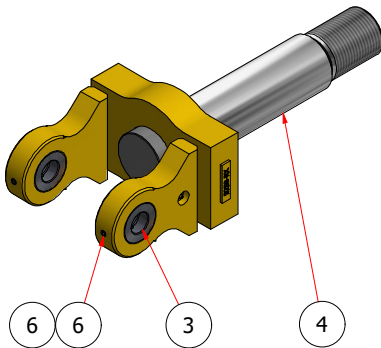


24 LINK SAFETY CHAINS

301100260 Kit	
QTY	DESCRIPTION
2	5/8" Grade 100 Clevis Self-Locking Hook
2	5/8" Grade 100 Coupling Link
3	Bolt Gr. 8 UNC 1" x 7"
2	Chain Grade 100 5/8" 24 Links
2	Knuckle_Safety Chain Ear
3	Nut Gr. 8 UNC 1" Stover Lock

SECTION 1.01 KITS

1.5" ASHLAND

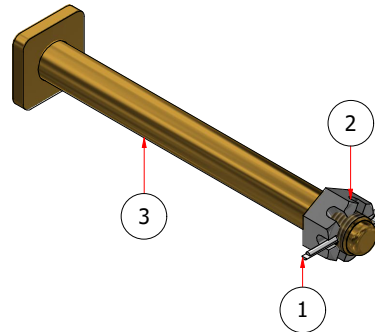


Pin Not Included, Sold Separately

301003258-R4

ITEM	QTY	PART NUMBER	REV	DESCRIPTION
4	1	201004500_sm_K	4	Shaft for AI Spaced K-Tec Yoke
3	2	211000217_smh_K	0	Yoke, Bushing 1.5" ID 3" OD
6	4	405000121	0	SSS CN 1/2-13 UNC x 5/8"

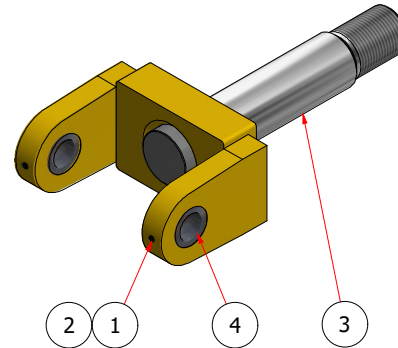
1.5" ASHLAND PIN



311100010 Kit

ITEM	QTY	PART NUMBER	REV	DESCRIPTION
1	1	405000002	0	Cotter Pin 1/4" x 3"
2	1	NUTSC_1_1-2 CSTL	0	Nut Gr. 5 UNF 1-1/2" Castle
3	1	311000171_w_PIN	0	PIN ASSY, HITCH 4-EAR

2" K-TEC

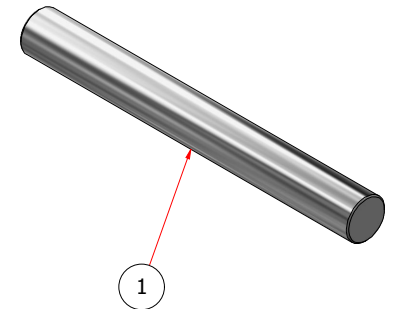


Pin Not Included, Sold Separately

301004500-R3

ITEM	QTY	PART NUMBER	REV	DESCRIPTION
1	2	405000121	0	SSS CN 1/2-13 UNC x 5/8"
2	2	405000122	0	SetScrew 1/2-13 UNC x 3/4" L
3	1	201004500_sm_K	4	Shaft_knuckle longitudinal
4	2	201004041_smh_K	0	Yoke, K-Tec Bushing

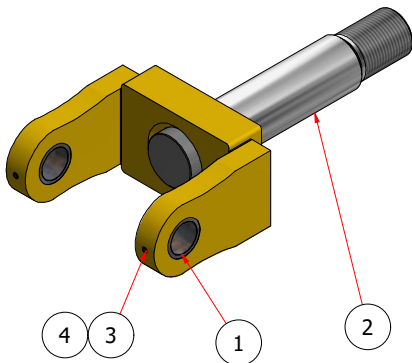
2" K-TEC PIN (ONLY USED WITH K-TEC DRAWBARS)



205001668-R1

ITEM	QTY	PART NUMBER	REV	DESCRIPTION
1	1	205001668_s	1	Pin K-Tec Yoke 2" x 17.25"

60mm JD

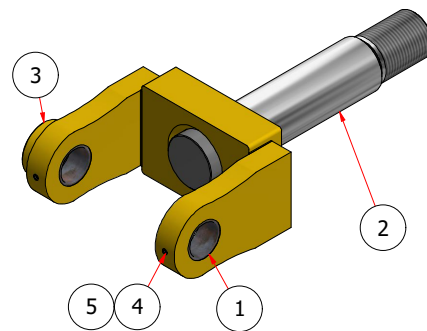


Pin Not Included, Supplied By Customer

301003261-R4

ITEM	QTY	PART NUMBER	REV	DESCRIPTION
15	2	101011400_cm_K	0	Ear_knuckle_yoke
1	2	201001950_smh3K	2	Yoke, JD 60mm Bushings
2	1	201004500_sm_K	4	Shaft_knuckle longitudinal
3	2	405000121	0	SSS CN 1/2-13 UNC x 5/8"
4	2	405000122	0	SetScrew 1/2-13 UNC x 3/4" L

65mm JD

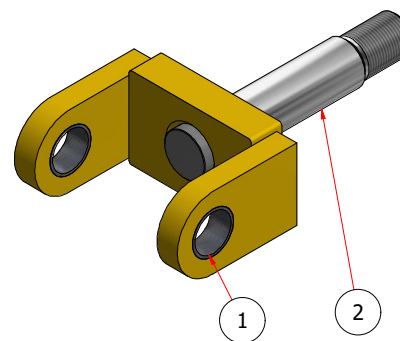


Pin Not Included, Supplied By Customer

301100249-R3 Kit (301003260 Yoke)

ITEM	QTY	PART NUMBER	REV	DESCRIPTION
1	2	201001939_smh3K	2	Yoke, JD 65mm Bushings
2	1	201004500_sm_K	4	Shaft_knuckle longitudinal
3	1	205050002_sm-CY	1	J.D 65mm pin spacer
4	2	405000121	0	SSS CN 1/2-13 UNC x 5/8"
5	2	405000122	0	SetScrew 1/2-13 UNC x 3/4" L

3.5" MTS/EJECT



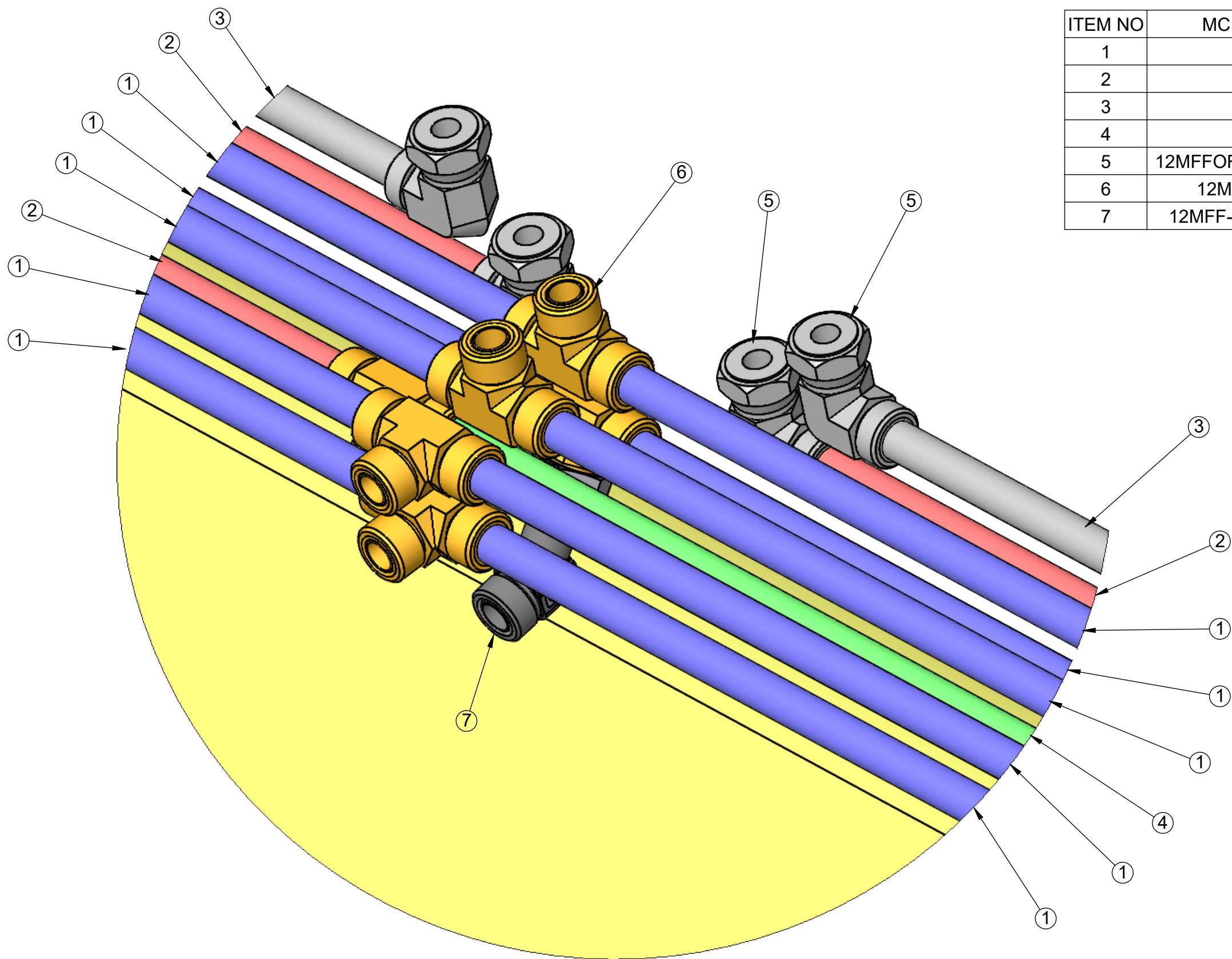
Pin Not Included, Supplied By Customer

301003259-R2

ITEM	QTY	PART NUMBER	REV	DESCRIPTION
1	2	201002114_smh_K	1	HT Wear Bushing Eject Yoke
2	1	201004500_sm_K	4	Shaft_knuckle longitudinal

2212D HITCH POLE HYDRAULICS

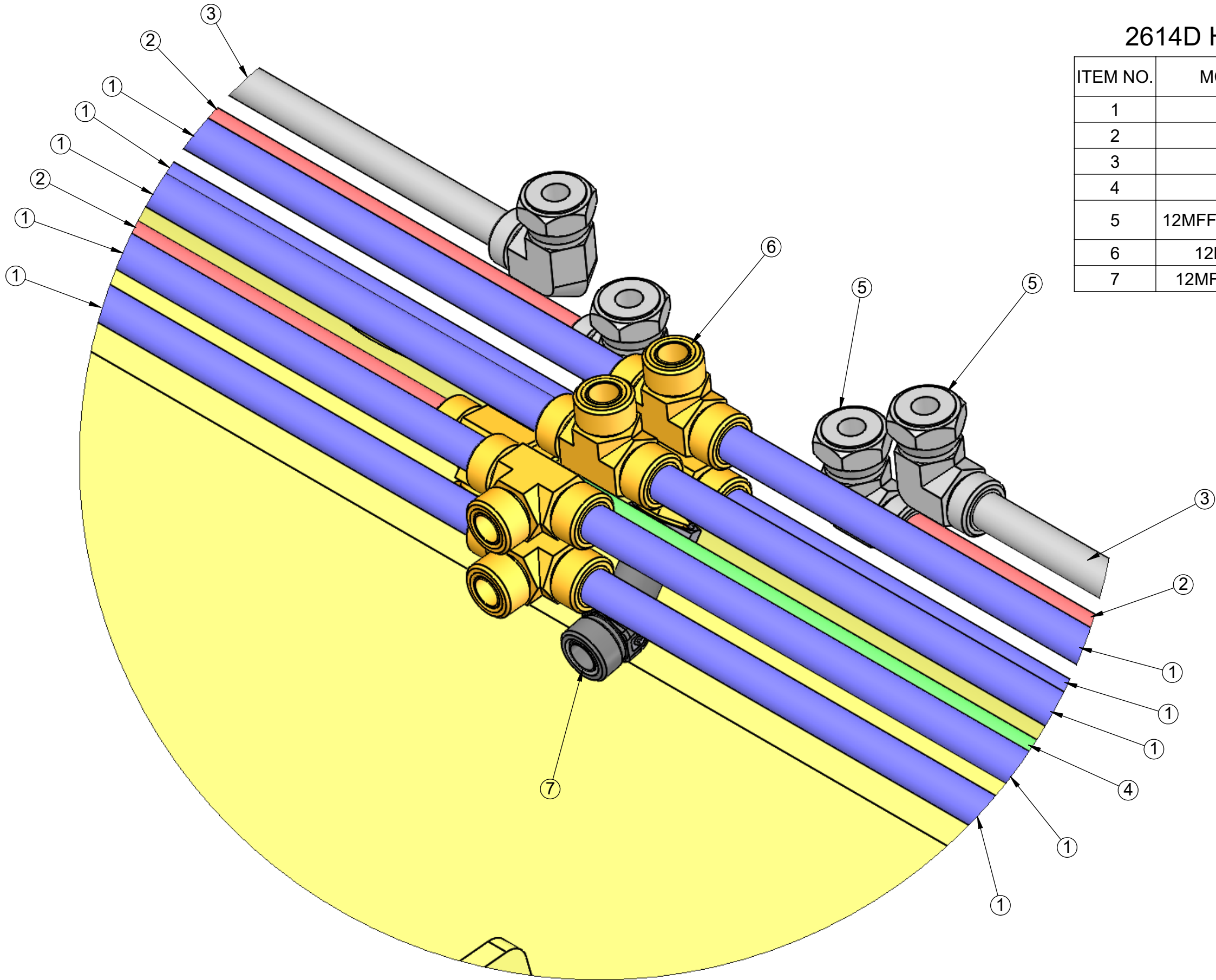
ITEM NO	MC PART NO	PART NAME	QTY.
1	50449	FRONT PIPE	10
2	50494	FRONT PIPE	3
3	50493	FRONT PIPE	2
4	50495	FRONT PIPE	1
5	12MFFOR-12MFFORX90	HYD FITTING	21
6	12MFFOR TEE	HYD FITTING	6
7	12MFF-12MFFORX45	HYD FITTING	1



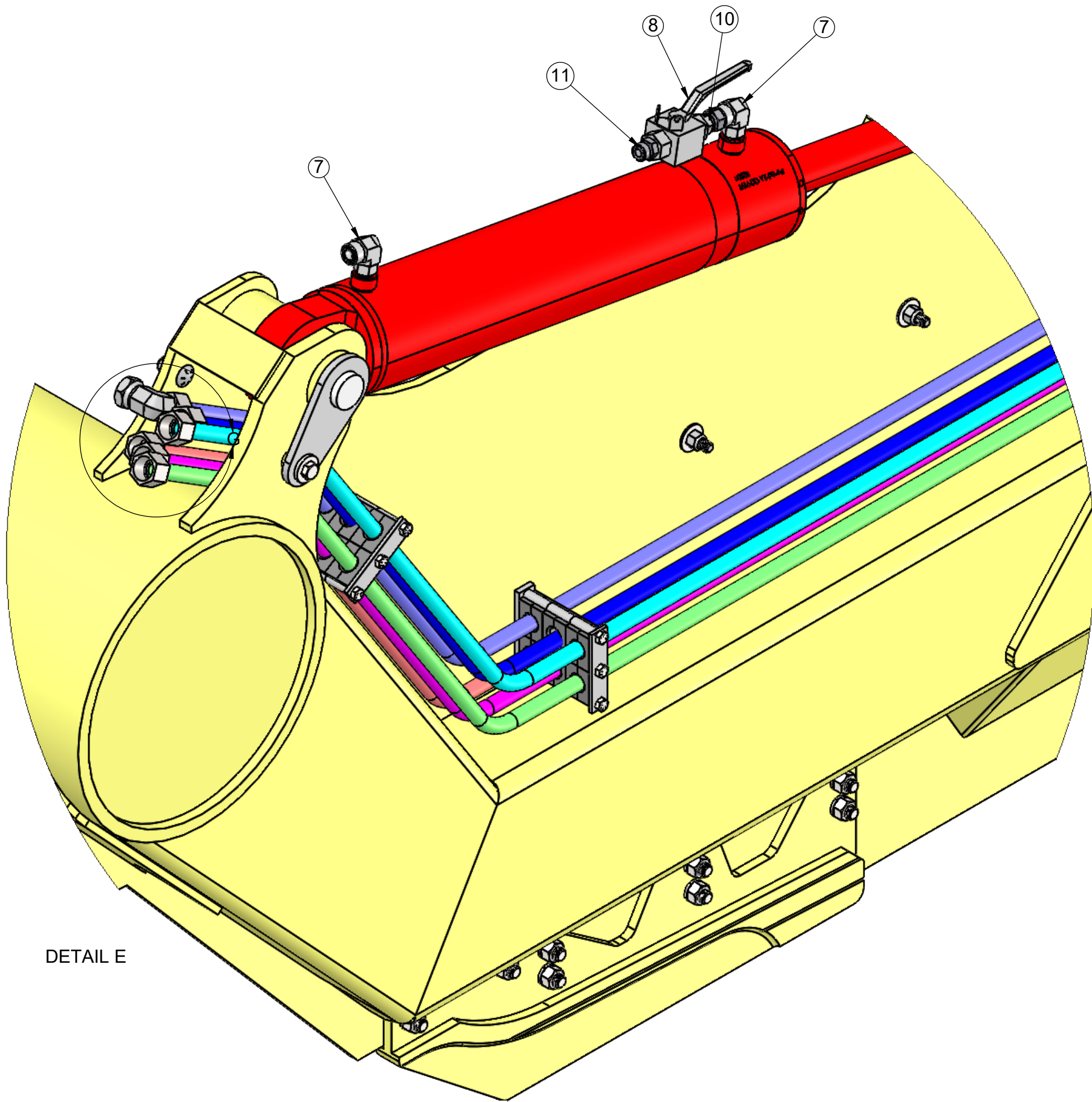
DETAIL B

2614D HITCH POLE HYDRAULICS

ITEM NO.	MC PART NO	PART NAME	QTY.
1	50402	FRONT PIPE GATE	10
2	50487	FRONT PIPE	3
3	50486	FRONT PIPE	2
4	50488	FRONT PIPE	1
5	12MFFOR-12FFORX90	HYD FITTING	21
6	12MFFOR TEE	HYD FITTING	6
7	12MFF-12FFORX45	HYD FITTING	1

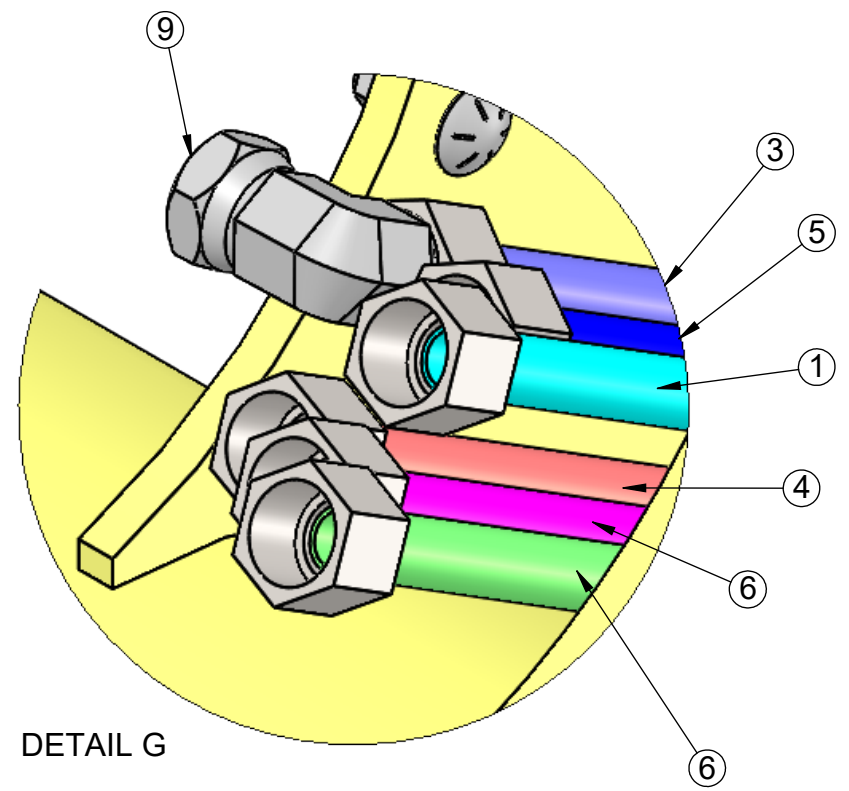


DETAIL F



DETAIL E

ITEM NO.	MC PART NO	PART NAME	QTY.
1	50459	Dump Cyl-Front	2
2	50460	Dump Cyl-Rear	2
3	50461	Rear Circuit	2
4	50462	Rear Circuit Side 2	2
5	50465	Side-Lift Raise	2
6	50466	Side-Lift Lower	2
7	8MB-8MFFOR90	HYD FITTING	6
8	50803	.5 BALL VALVE	4
9	12MFFOR-12FFORX90	HYD FITTING	21
10	8MB-8FFOR	HYDRAULIC FITTING	4
11	8MB--MFFOR	HYD FITTING	2
12	50813		1



DETAIL G

CYLINDERS



50301 GATE CYLINDER			
ITEM	PART NAME	PART NUMBER	QTY
1	SEAL KIT	432126	1
2	SPHERICAL BEARING	50533	2



50313 FRAME CYLINDER			
ITEM	PART NAME	PART NUMBER	QTY
1	SEAL KIT	432503	1
2	SPHERICAL BEARING	50532	2



50309 DUMP CYLINDER			
ITEM	PART NAME	PART NUMBER	QTY
1	SEAL KIT	432231	1
2	SPHERICAL BEARING	50533	2