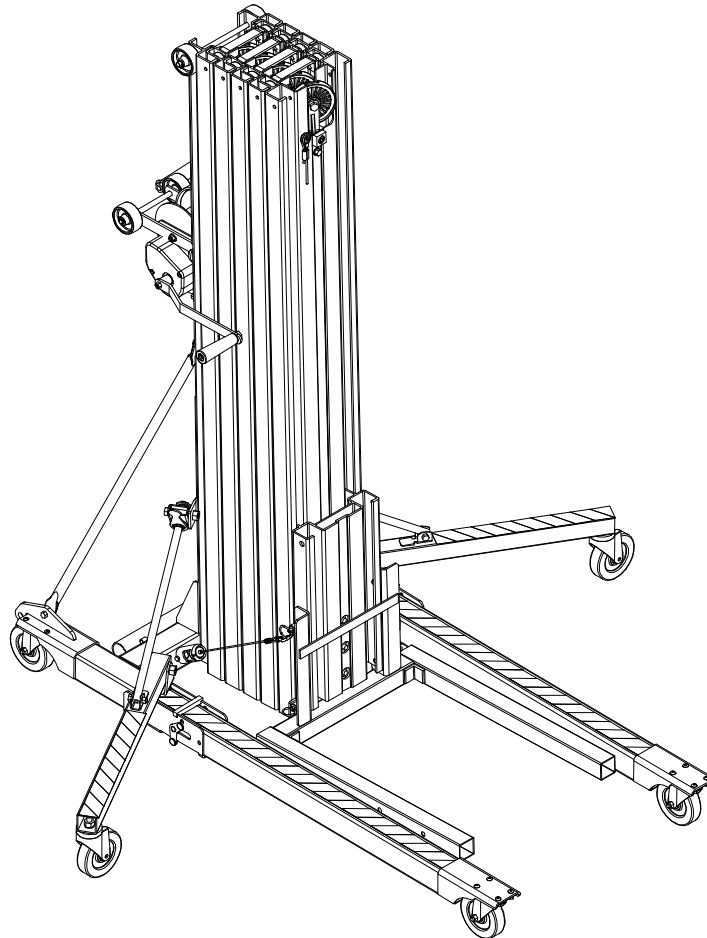

PARTS MANUAL

SERIES 2012S/2016S MATERIAL LIFT



USA

7514 Alabonson Rd.
Houston, TX 77088
ph: 281-999-6900
fax: 281-999-6966

CANADA

75 Saltsman Drive, Unit 5
Cambridge, Ontario N3H 4R7
ph: 519-653-5300
fax: 519-653-5305

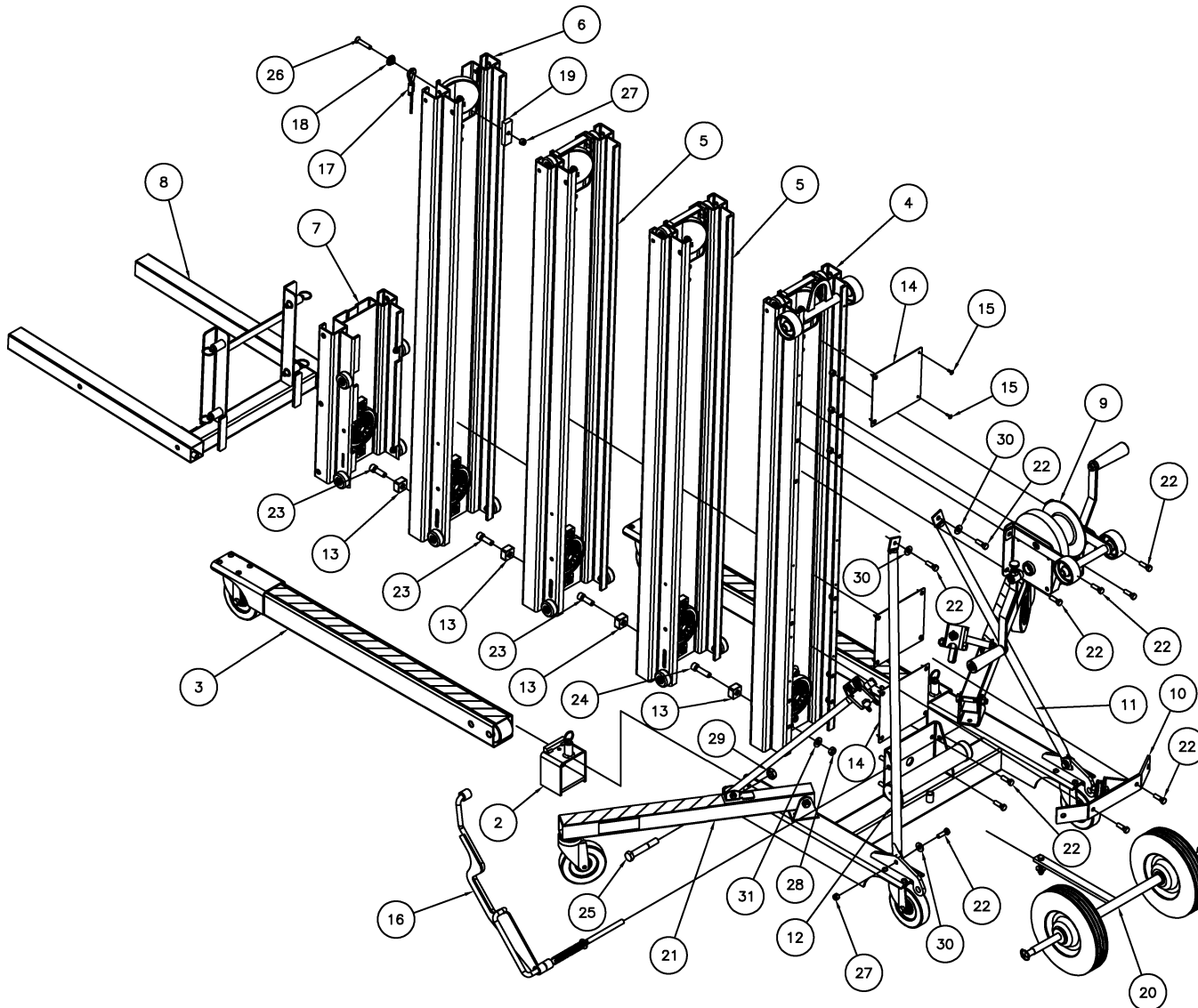
NETHERLANDS

Midden Engweg
21NL-3882TS Putten
Netherlands
europeansales.com
ph: + 31 (0) 85 489 0284

UK

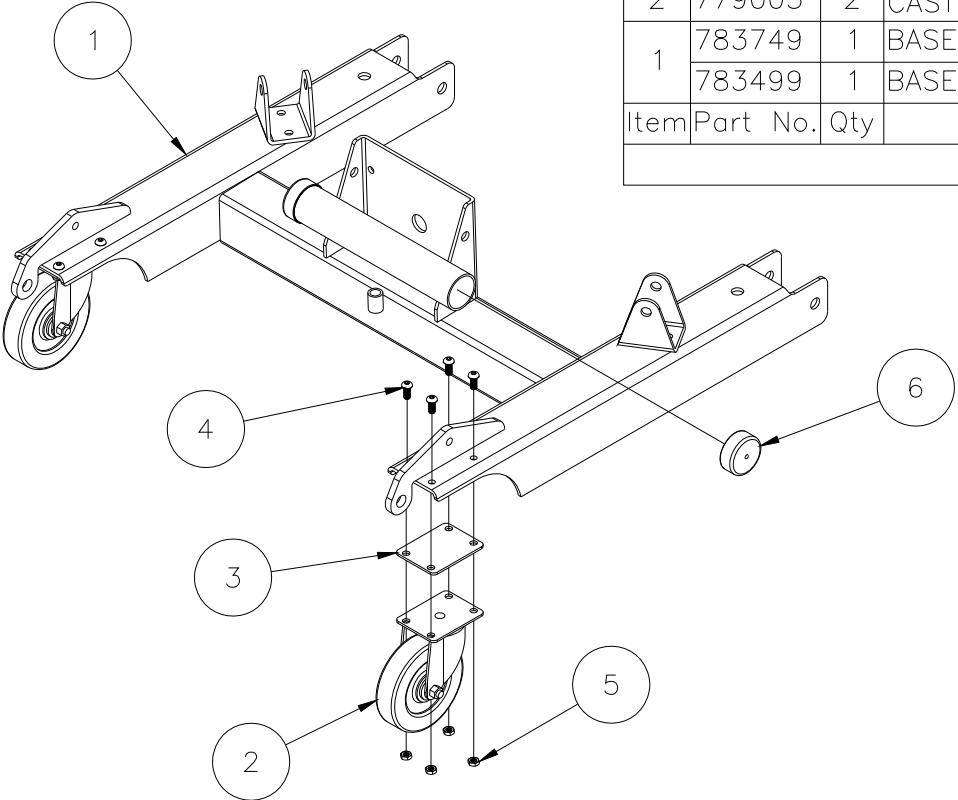
Unit 3 Kempton Road
Keytec 7 Business Park
Persnore, Worcestershire
WR 10 2TA, UK
ph: + 44 (0) 1386 556278
fax: + 44 (0) 1386 556776

2012S/2016S MATERIAL LIFT ASSEMBLY



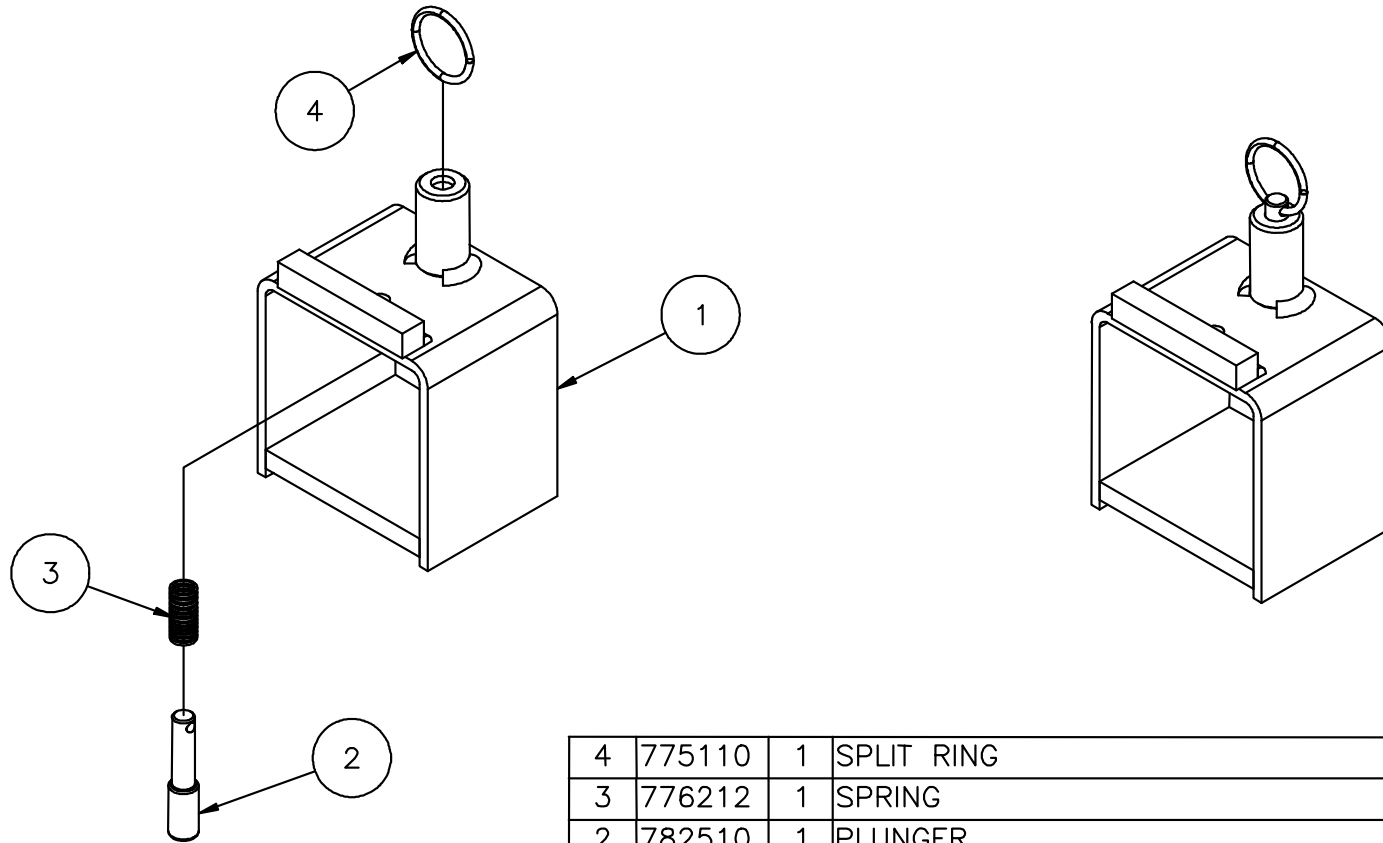
33	783633	1	LABEL INSTALLATION, 2000 LIFT (NOT SHOWN)
32	778382	1	LABEL KIT, 2000 SERIES LIFT (NOT SHOWN)
31	773094	1	WASHER, FLAT 1/2 SAE
30	773040	4	WASHER, FLAT 3/8 USS
29	772503	2	NUT, INSERT JAM 5/8-11
28	772358	1	NUT, INSERT JAM 1/2-13
27	772355	15	NUT, INSERT LOCK 3/8-16
26	771248	1	SCREW, FHSC 3/8-16 X 2
25	771146	2	SCREW, HHC 5/8-11 X 4
24	771252	1	SCREW, SHC 1/2-13 X 2
23	771257	3	SCREW, SHC 1/2-13 X 1-1/2 (2016S ONLY)
	771257	2	SCREW, SHC 1/2-13 X 1-1/2 (2012S ONLY)
22	771060	14	SCREW, HHC 3/8-16 X 1-1/4
21	783935	1	OUTRIGGER ASSEMBLY, 2000/2100 LIFTS (2016S ONLY)
20	783736	1	10" WHEEL KIT, 2100 SERIES
19	783551	1	LOCK BLOCK
18	782910	1	ROPE RET. WASHER 715/720
17	784797	1	LOAD LINE, 2016S
	784796	1	LOAD LINE, 2012S
16	783040	1	MAST HOLD DOWN ASSY, BAR TYPE
15	776055	12	SCREW, SM #8 X 3/4 SELF TAPPING
14	783916	3	MAST ALUM COVER - BOTTOM
	783575	4	STOP BLOCK (2016S ONLY)
	783575	3	STOP BLOCK (2012S ONLY)
12	780820	1	BRACE, MAST, RIGHT 2000/2100
11	780819	1	BRACE, MAST, LEFT 2000/2100
10	783582	1	SPREADER PLATE ASSEMBLY
9	784490	1	NL WINCH ASSEMBLY
8	783653	1	FORK ASSEMBLY, 2000/2100
7	783533	1	CARRIAGE ASSEMBLY
6	784095	1	TOP MAST ASSEMBLY, 2012S
	784096	2	CENTER MAST ASSEMBLY, 2012S (2016S ONLY)
	784096	1	CENTER MAST ASSEMBLY, 2012S (2012S ONLY)
4	784098	1	BOTTOM MAST ASSEMBLY, 2012S
	783739	2	FRONT LEG ASSEMBLY, 18/20/24/25 (2016S ONLY)
	783730	2	FRONT LEG ASSEMBLY, 10/12/15 (2012S ONLY)
2	783746	2	LEG LOCK ASSEMBLY, 2100 SERIES
1	783750	1	BASE ASSEMBLY, 2100 SERIES
Item	Part No.	Qty	Description
Parts List			

783750 - BASE ASSEMBLY



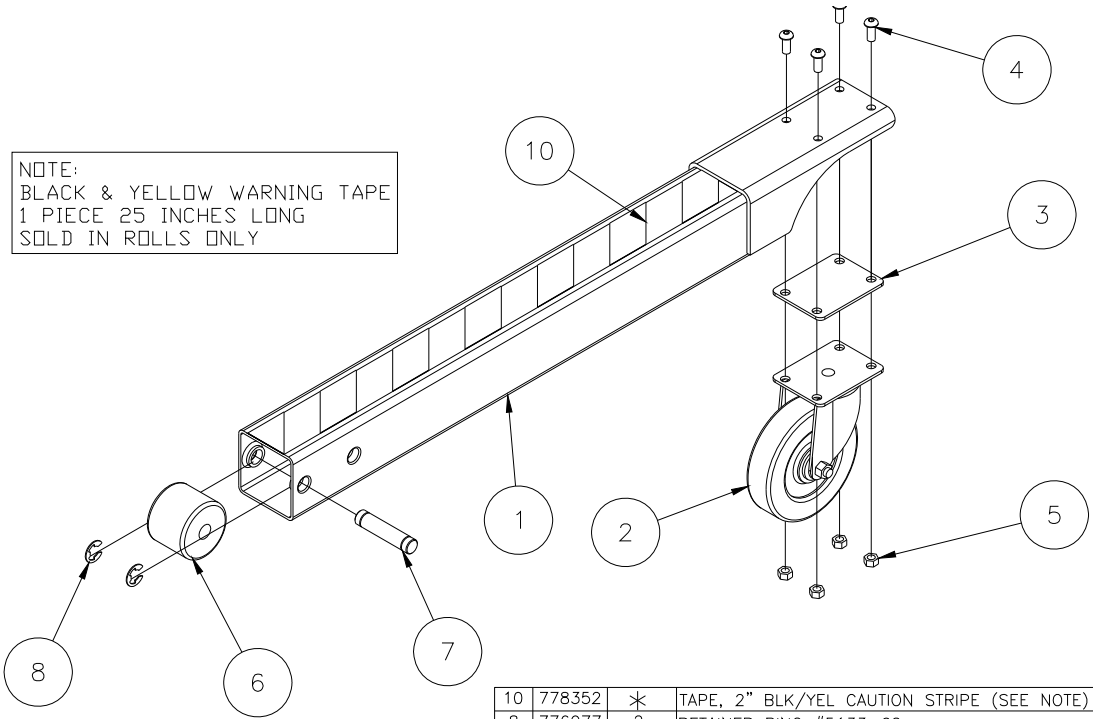
6	779905	2	CAP, 2" OD TUBE, BLACK
5	772502	8	NUT, INSERT JAM 5/16-18
4	771239	8	SCREW, BHC 5/16-18 X 3/4
3	773098	2	SPACER 2-3/4 X 3-3/4 X 1/8 THK.
2	779005	2	CASTER 5" PLATE SWIVEL (RED)
1	783749	1	BASE WELDMNT, 2100 SERIES
	783499	1	BASE WELDMNT, 2100 SERIES GALV.
Item	Part No.	Qty	Description
Parts List			

783746 - LEG LOCK ASSEMBLY



4	775110	1	SPLIT RING
3	776212	1	SPRING
2	782510	1	PLUNGER
1	783740	1	LEG LOCK WELDMENT
Item	Part No.	Qty	Description
Parts List			

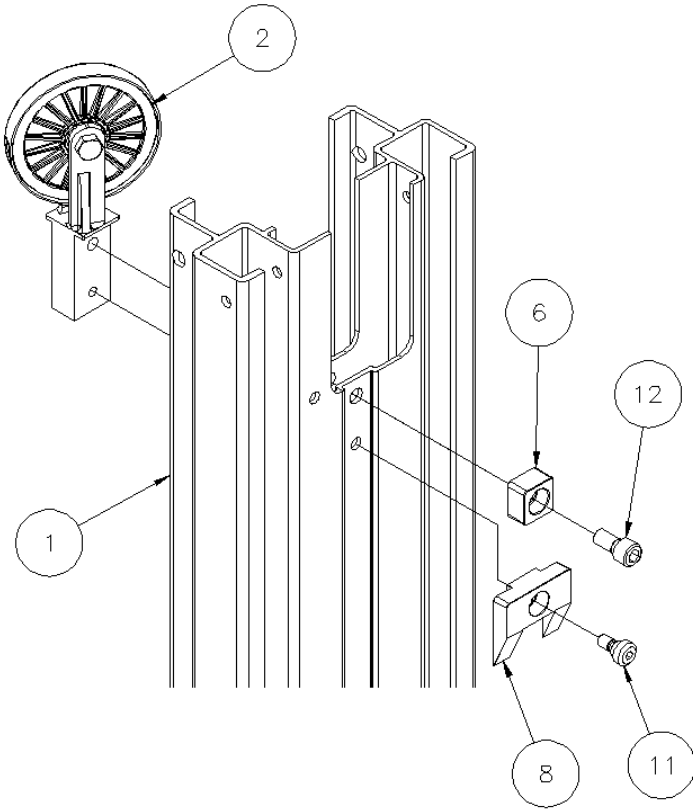
783730/783739 - FRONT LEG ASSEMBLY



NOTE:
 BLACK & YELLOW WARNING TAPE
 1 PIECE 25 INCHES LONG
 SOLD IN ROLLS ONLY

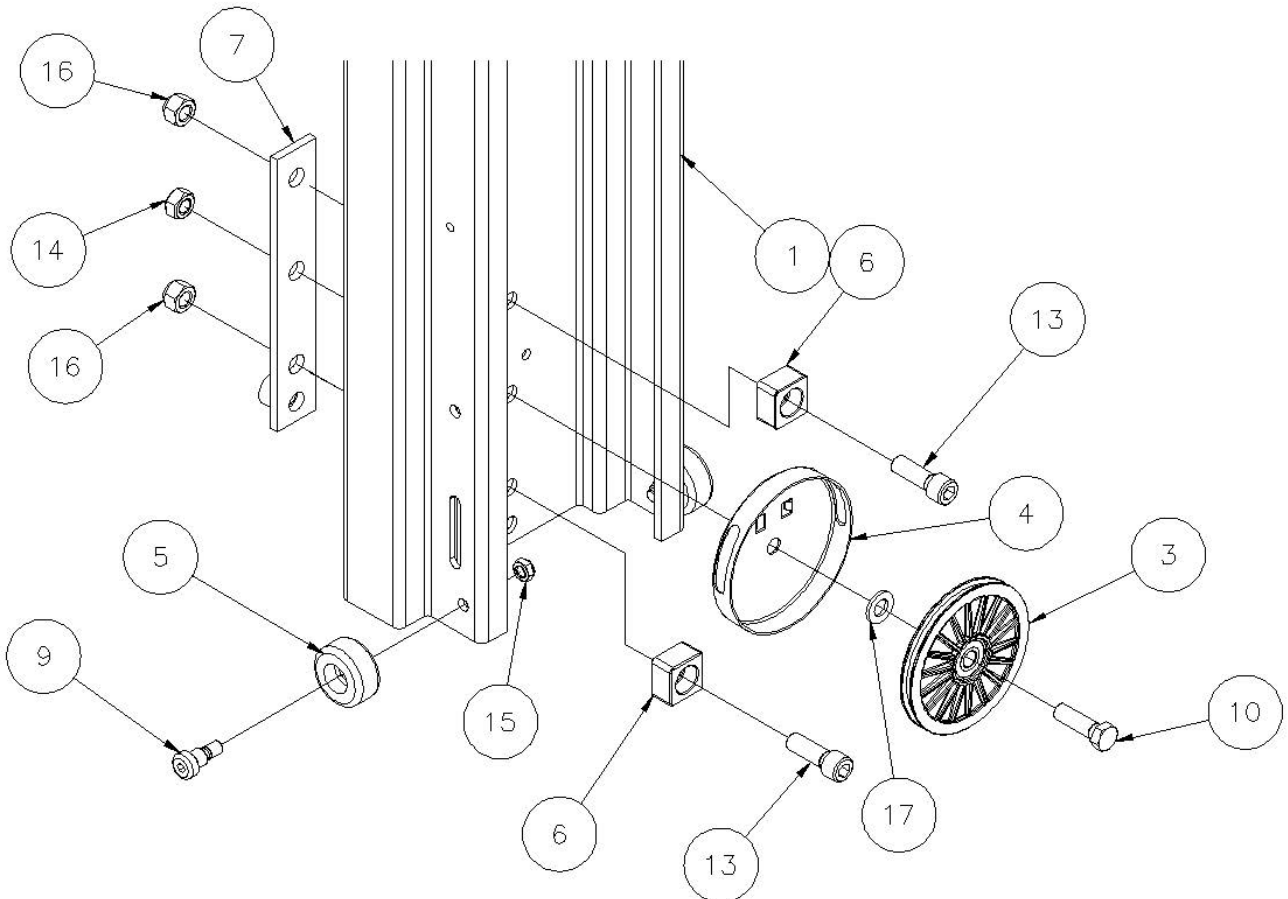
10	778352	*	TAPE, 2" BLK/YEL CAUTION STRIPE (SEE NOTE)	*
8	776077	2	RETAINER RING #5133-62	
7	783644	1	SHAFT, LEG ROLLER	
6	783569	1	ROLLER, LEG	
5	772502	4	NUT, INSERT JAM 5/16-18	
4	771239	4	SCREW, BHC 5/16-18 X 3/4	
3	783098	1	SPACER, CASTER PLATE	
2	779005	1	CASTER 5" PLATE SWIVEL (RED)	
1	783497	1	FRONT LEG WELDMENT 2020/2025/2118/2124 GALV.	
	783738	1	FRONT LEG WELDMENT 2020/2025/2118/2124	
	783498	1	FRONT LEG WELDMENT 2010/2015/2112 GALV.	
	783732	1	FRONT LEG WELDMENT 2010/2015/2112	
Item	Part No.	Qty	Description	
Parts List				

784095 - TOP MAST ASSEMBLY

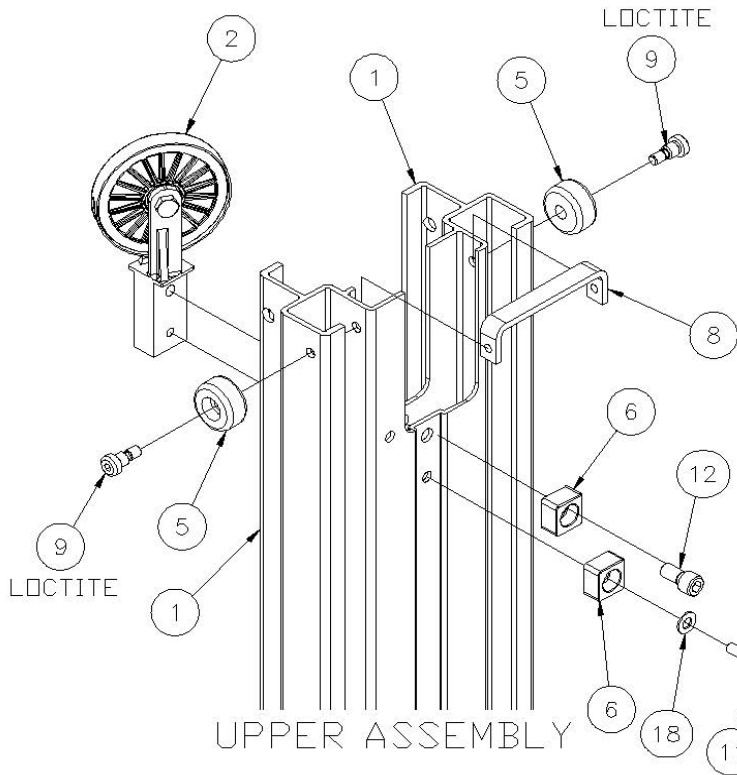


TORQUE STOP TO 125 FT-LBS

Item	Part No.	Qty	Description
17	773096	1	WASHER, FLAT M12
16	772357	2	NUT, INSERT LOCK 1/2-13
15	772350	2	NUT, INSERT JAM 3/8-16
14	772800	1	NUT, INSERT LOCK 12MM
13	771257	2	SCREW, SHC 1/2-13 X 1-1/2
12	771258	1	SCREW, SHC 1/2-13 X 1
11	771107	1	SCREW, HHC 3/8-16 X 1
10	771161	1	SCREW, HHC M12-1.75 X 40
9	771350	2	SCREW, SHOULDER 1/2 X 1/2
8	783694	1	STOP BLOCK WEDGE
7	783503	1	BACKING PLATE WELDMENT
6	783575	2	STOP BLOCK
5	783540	2	MAST ROLLER
4	783536	1	PULLEY GUARD
3	783921	1	PULLEY ASSY, ALUM 2000/2100 LIFTS
2	783923	1	PULLEY MTG BRKT ASSEMBLY
1	784097	1	MAST FAB CNTR & TOP, 2012S LIFT
			Parts List

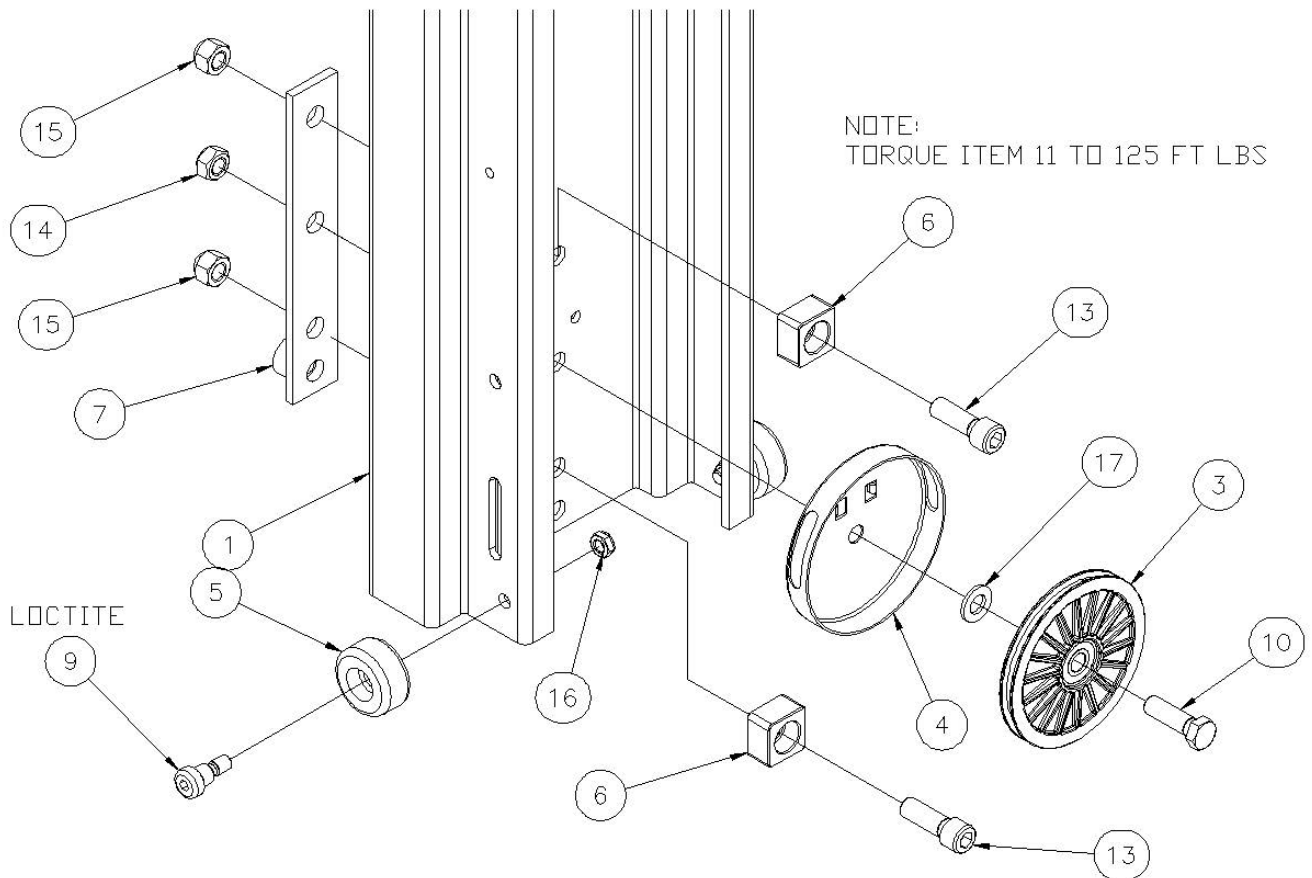


784096 - CENTER MAST ASSEMBLY

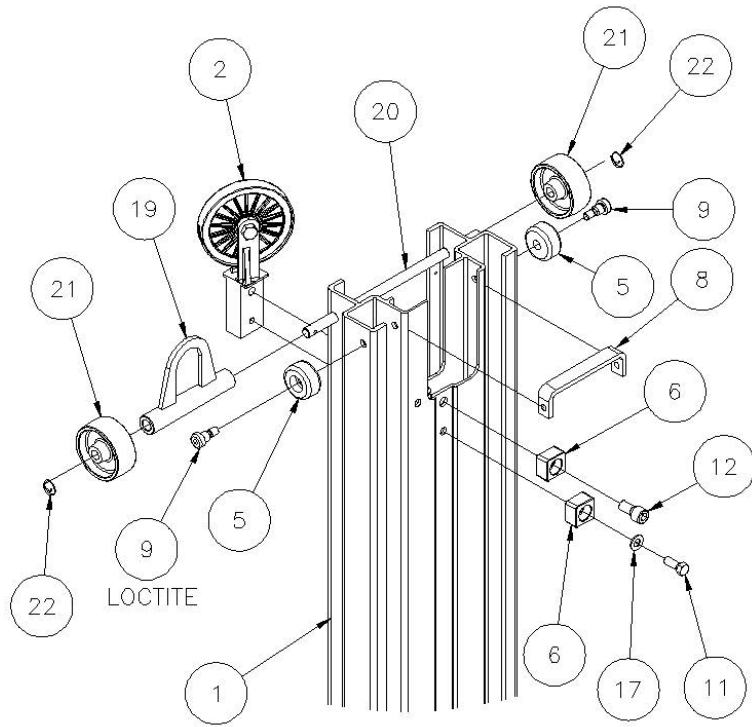


APPLY LOCTITE 242 WHERE SHOWN

18	773022	1	WASHER, FLAT 3/8 SAE HARDENED
17	773096	1	WASHER, FLAT M12
16	772350	2	NUT, INSERT JAM 3/8-16
15	772357	2	NUT, INSERT LOCK 1/2-13
14	772800	1	NUT, INSERT LOCK 12MM
13	771257	2	SCREW, SHC 1/2-13 X 1-1/2
12	771258	1	SCREW, SHC 1/2-13 X 1
11	771107	1	SCREW, HHC 3/8-16 X 1
10	771161	1	SCREW, HHC M12-1.75 X 40
9	771350	4	SCREW, SHOULDER 1/2 X 1/2
8	783649	1	TOP REINFORCEMENT BRACKET
7	783503	1	BACKING PLATE WELDMENT
6	783575	3	STOP BLOCK
5	783540	4	MAST ROLLER
4	783536	1	PULLEY GUARD
3	783921	1	PULLEY ASSY, ALUM 2000/2100
2	783923	1	PULLEY MTG BRKT ASSY
1	784097	1	MAST FAB CNTR & TOP MAST, 2012S LIFT
Item	Part No.	Qty	Description
Parts List			



784098 - BOTTOM MAST ASSEMBLY

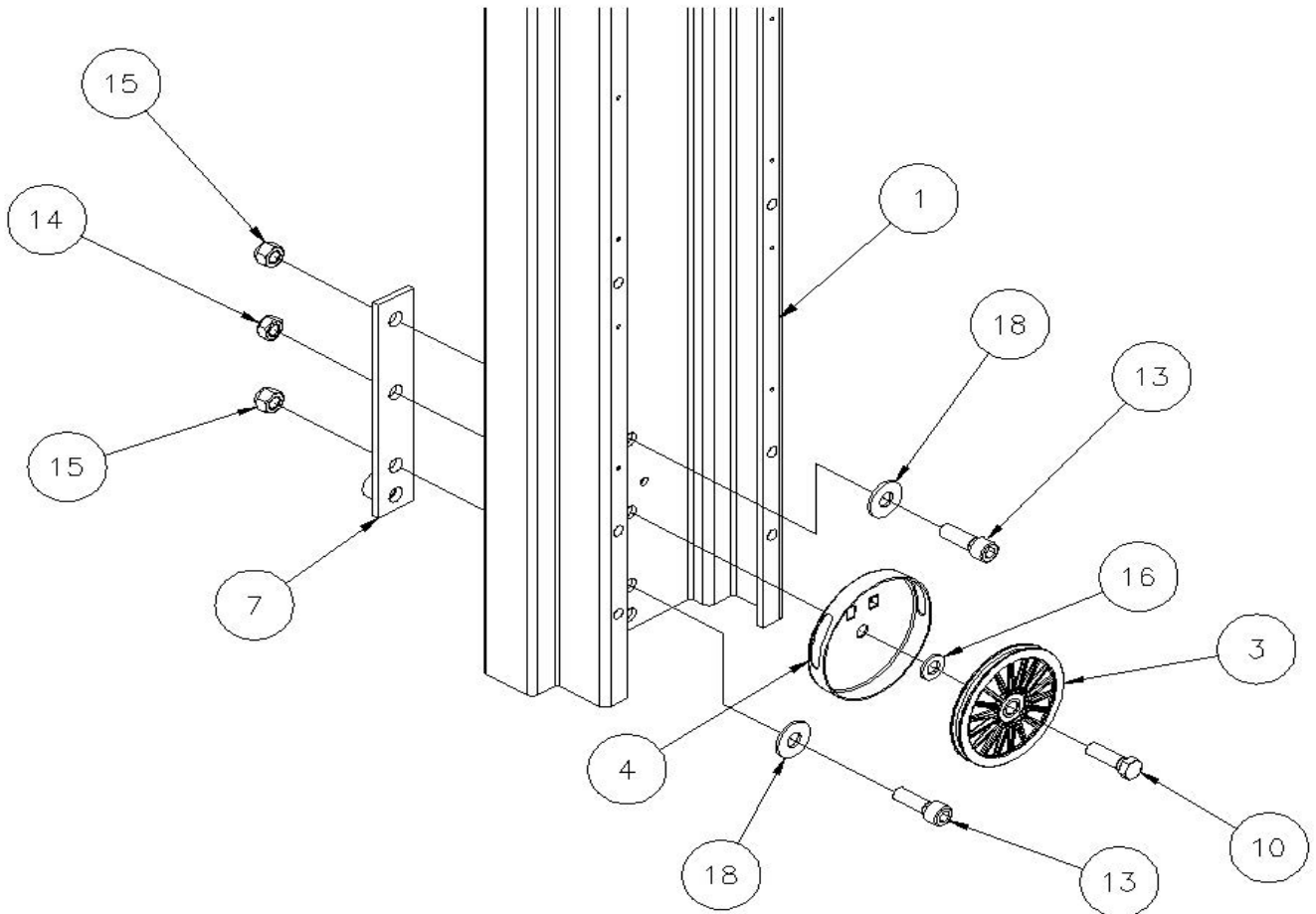


LOCTITE

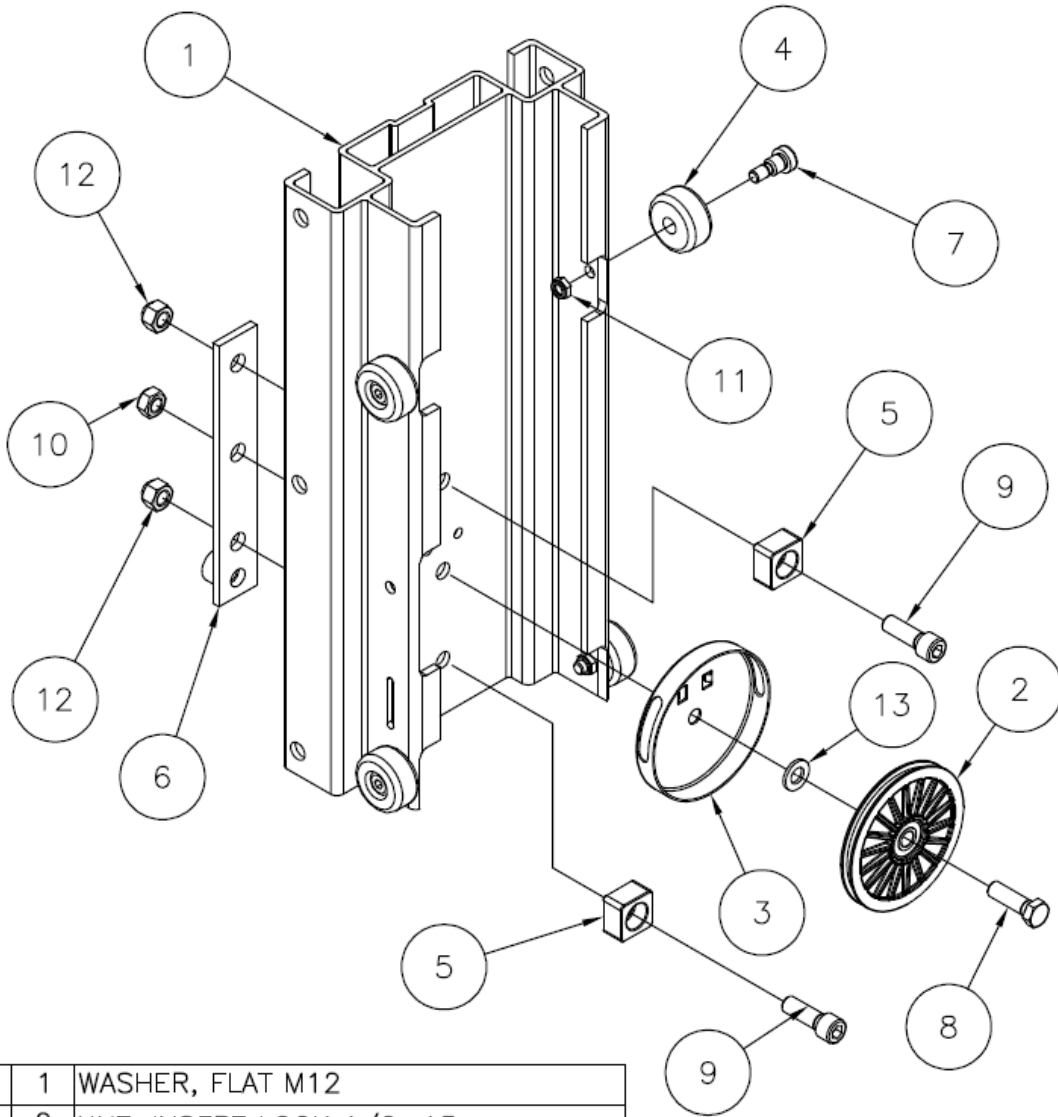
TORQUE STOP BLOCKS TO 125 FT-LBS
APPLY LOCTITE 242 WHERE SHOWN

22	774053	2	COTTER, CIRCLE Z/P .048 X 3/4
21	779012	2	WHEEL, POLYOLEFIN 3"
20	783620	1	SHAFT, ROLLER
19	786585	1	LIFTING HOOK WELDMENT, CB LIFT
18	773060	2	WASHER, FLAT 1/2 USS
17	773022	1	WASHER, FLAT 3/8 SAE HARDENED
16	773096	1	WASHER, FLAT M12
15	772357	2	NUT, INSERT LOCK 1/2-13
14	772800	1	NUT, INSERT LOCK 12MM
13	771257	2	SCREW, SHC 1/2-13 X 1-1/2
12	771258	1	SCREW, SHC 1/2-13 X 1
11	771107	1	SCREW, HHC 3/8-16 X 1
10	771161	1	SCREW, HHC M12-1.75 X 40
9	771350	2	SCREW, SHOULDER 1/2 X 1/2
8	783649	1	TOP REINFORCEMENT BRACKET
7	783503	1	BACKING PLATE WELDMENT
6	783575	2	STOP BLOCK
5	783540	2	MAST ROLLER
4	783536	1	PULLEY GUARD
3	783921	1	PULLEY ASSY, ALUM 2000/2100
2	783923	1	PULLEY MOUNTING BRACKET ASSY
1	784099	1	MAST FAB, BOTTOM MAST, 2012S LIFTS
Item	Part No.	Qty	Description

Parts List

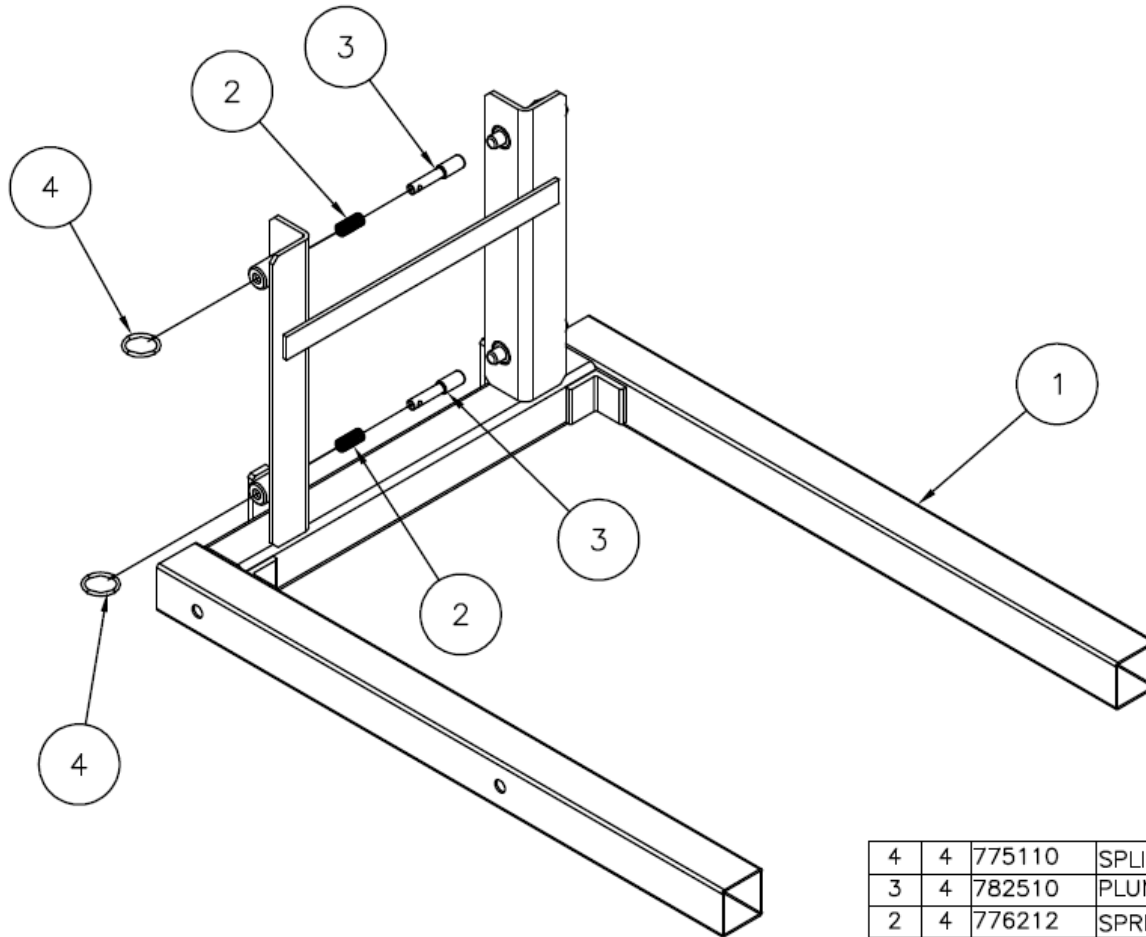


783533 - CARRIAGE ASSEMBLY



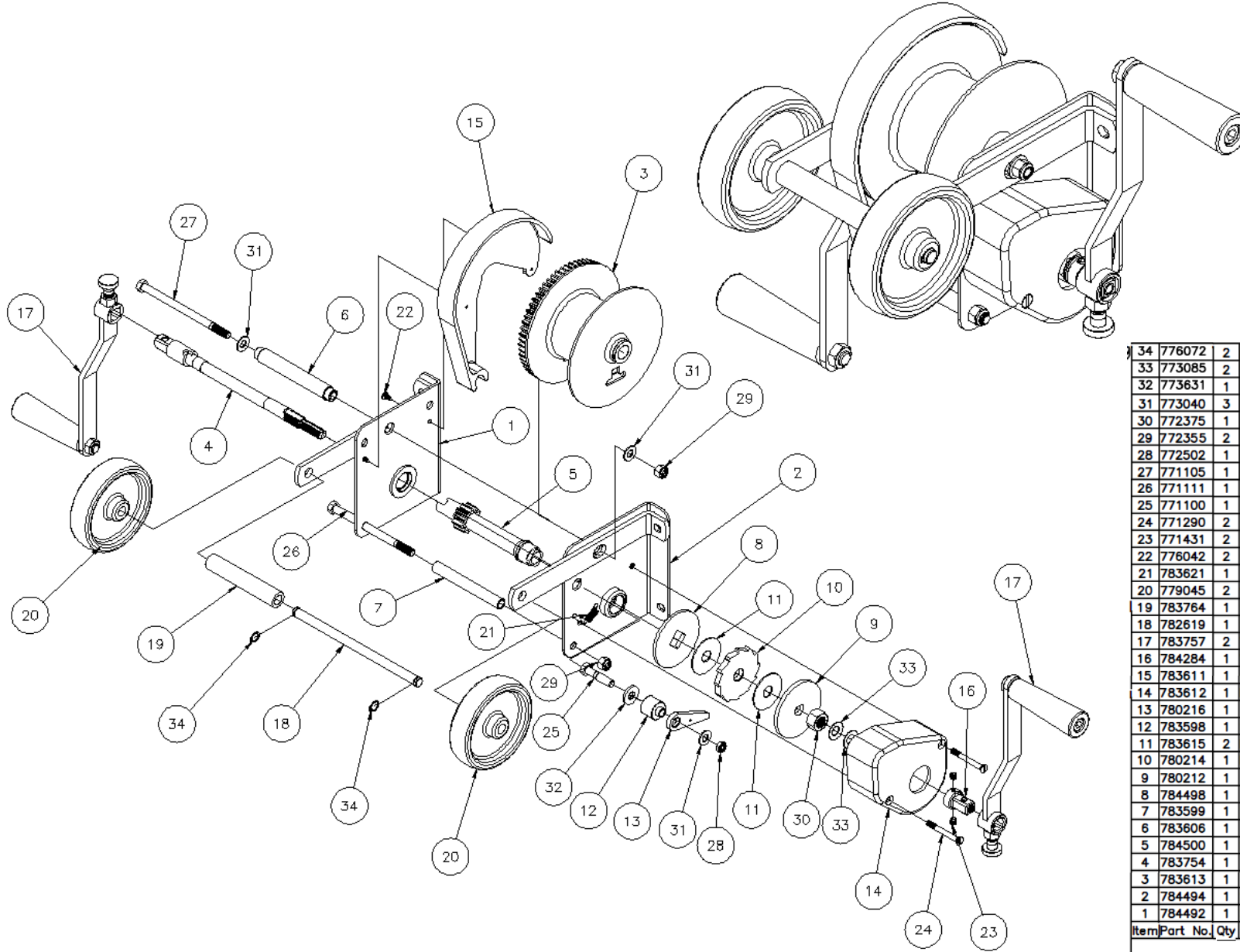
13	773096	1	WASHER, FLAT M12
12	772357	2	NUT, INSERT LOCK 1/2-13
11	772350	4	NUT, INSERT JAM 3/8-16
10	772800	1	NUT, INSERT LOCK 12MM
9	771257	2	SCREW, SHC 1/2-13 X 1-1/2
8	771161	1	SCREW, HHC M12-1.75 X 40
7	771350	4	SCREW, SHOULDER 1/2 X 1/2
6	783503	1	BACKING PLATE WELDMENT
5	783575	2	STOP BLOCK
4	783540	4	MAST ROLLER
3	783536	1	PULLEY GUARD
2	783921	1	PULLEY ASSY, ALUM 2000/2100
1	783534	1	CARRIAGE
Item	Part No.	Qty	Description
Parts List			

783653 - STANDARD FORK ASSEMBLY



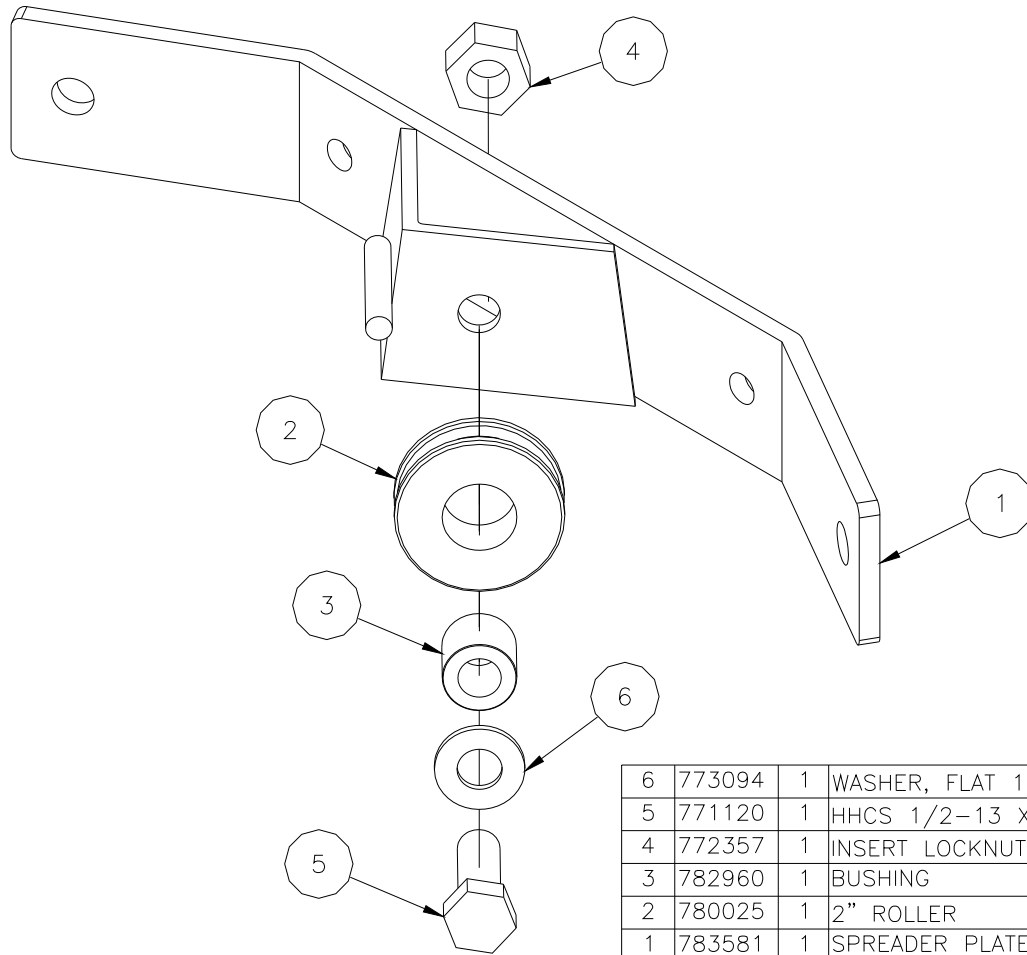
4	4	775110	SPLIT RING, 1-1/4" NICKLE PLT'D.
3	4	782510	PLUNGER
2	4	776212	SPRING, #DWC-042-G-9
1	1	783547	FORK WELDMENT, 2000/2100 LIFT
Item	Qty	PART #	DESCRIPTION
Parts List			

784490 - NL WINCH ASSEMBLY



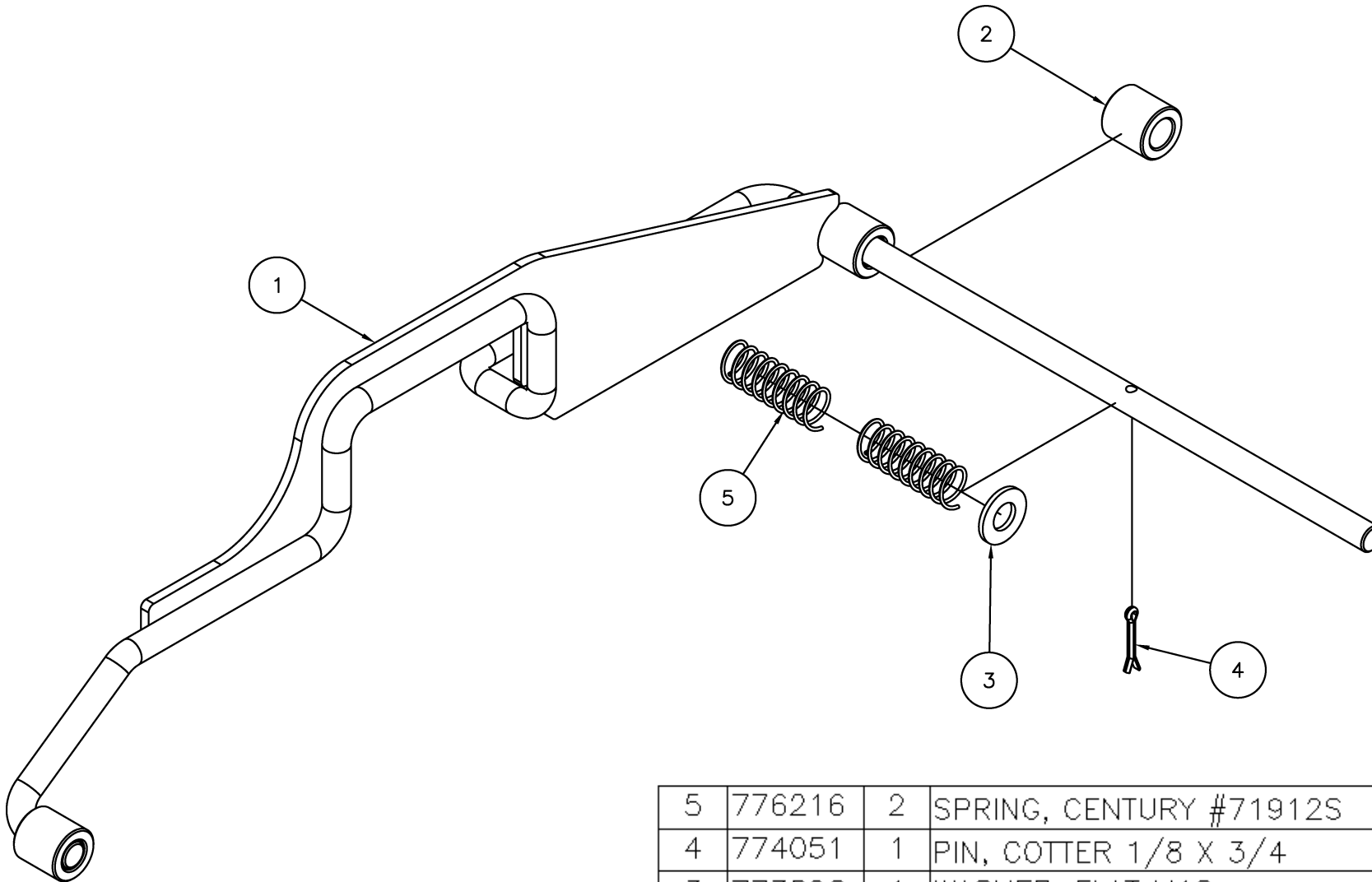
34	776072	2	RETAINER RING #5100-50
33	773085	2	WASHER, BELLVILLE SPRING
32	773631	1	WASHER, FLAT OVERSIZED 3/8 X .140 THK.
31	773040	3	WASHER, FLAT 3/8 USS
30	772375	1	NUT, INSERT LOCK 5/8-18
29	772355	2	NUT, INSERT LOCK 3/8-16
28	772502	1	NUT, INSERT JAM 5/16-18
27	771105	1	SCREW, HHC 3/8-16 X 6
26	771111	1	SCREW, HHC 3/8-16 X 5-1/2
25	771100	1	SCREW, HHC 3/8-16 X 1-3/4
24	771290	2	SCREW, FHM 1/4-20 X 2-1/4
23	771431	2	SCREW, SET 1/4-20 X 5/16 FLT PT
22	776042	2	SCREW, SM #8 X 1/2 PPHF
21	783621	1	RATCHET DOG SPRING
20	779045	2	WHEEL, POLY OLEFIN 5"
19	783764	1	SLEEVE, ROLLER SHAFT
18	782619	1	SHAFT, ROLLER 712 WINCH
17	783757	2	WINCH HANDLE ASSEMBLY, MX
16	784284	1	WINCH HANDLE ADAPTER
15	783611	1	GEAR COVER
14	783612	1	BRAKE COVER
13	780216	1	HOIST RATCHET DOG WJ-19
12	783598	1	SPACER - RACHET
11	783615	2	BRAKE DISC
10	780214	1	BRAKE RATCHET WJ-17
9	780212	1	PLATE, OUTER BRAKE DISC WJ-15
8	784498	1	PLATE, INNER BRAKE DISC, NL WINCH
7	783599	1	SPACER - WINCH SIDE PLATE
6	783606	1	DRUM SPACER SHAFT
5	784500	1	SHAFT, HOIST DRUM PINION, SQ END
4	783754	1	DRIVE SHAFT, MX WINCH
3	783613	1	DRUM ASSEMBLY
2	784494	1	SIDE PLATE ASSY - RH, NEW MX WINCH
1	784492	1	SIDE PLATE ASSY - LH, NEW MX WINCH
Item	Part No.	Qty	Description
Parts List			

783582 - SPREADER PLATE ASSEMBLY



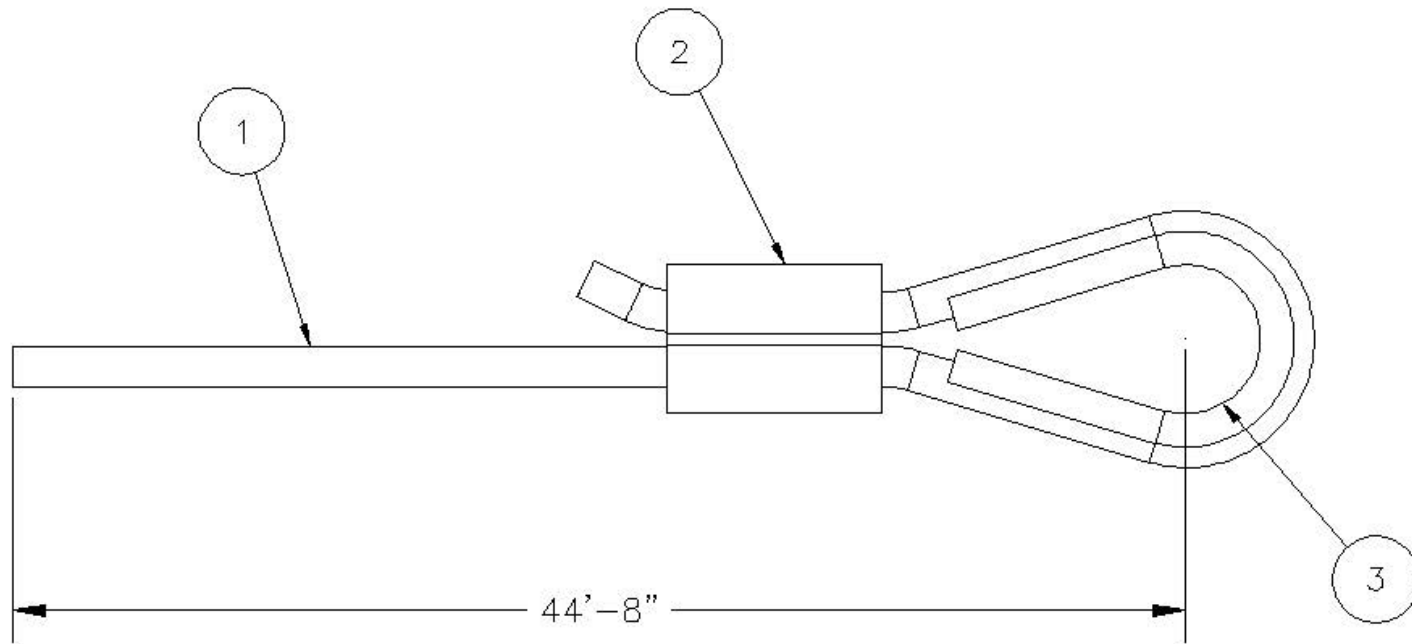
6	773094	1	WASHER, FLAT 1/2
5	771120	1	HHCS 1/2-13 X 1-1/2
4	772357	1	INSERT LOCKNUT 1/2-13
3	782960	1	BUSHING
2	780025	1	2" ROLLER
1	783581	1	SPREADER PLATE WELDMENT
Item	Part No.	Qty	Description
Parts List			

783040 - MAST HOLD DOWN ASSY.



5	776216	2	SPRING, CENTURY #71912S
4	774051	1	PIN, COTTER 1/8 X 3/4
3	773096	1	WASHER, FLAT M12
2	783045	1	MAST HOLD DOWN SPACER PLTD.
1	783041	1	MAST HOLD DOWN WELDMENT
Item	Part No.	Qty	Description
Parts List			

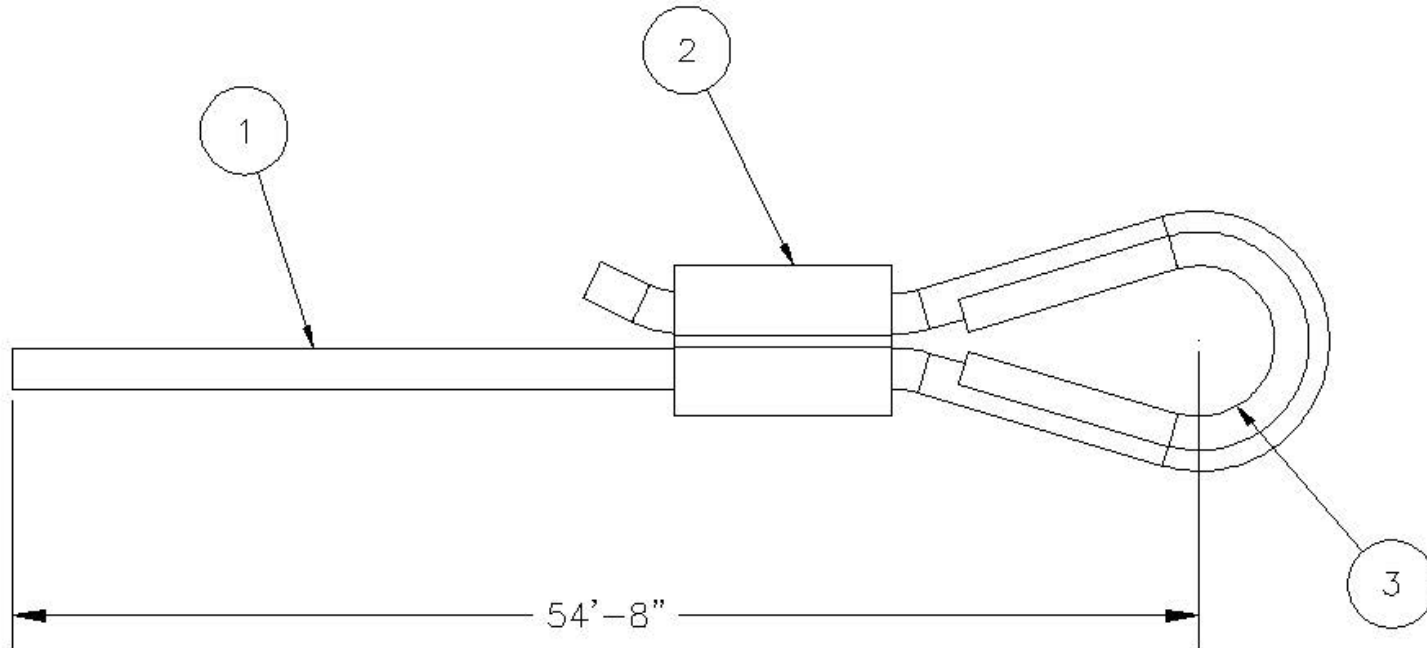
784796 - LOAD LINE, 2012S



CUT LENGTH OF CABLE = 45'-0"

3	774110	1	THIMBLE, 7/32"
2	774062	1	FERREL DUPLEX ALUMINUM 7/32"
1	774220	1	CABLE, 7/32" 7 X 19 GALV AC
Item	Part No.	Qty	Description
Parts List			

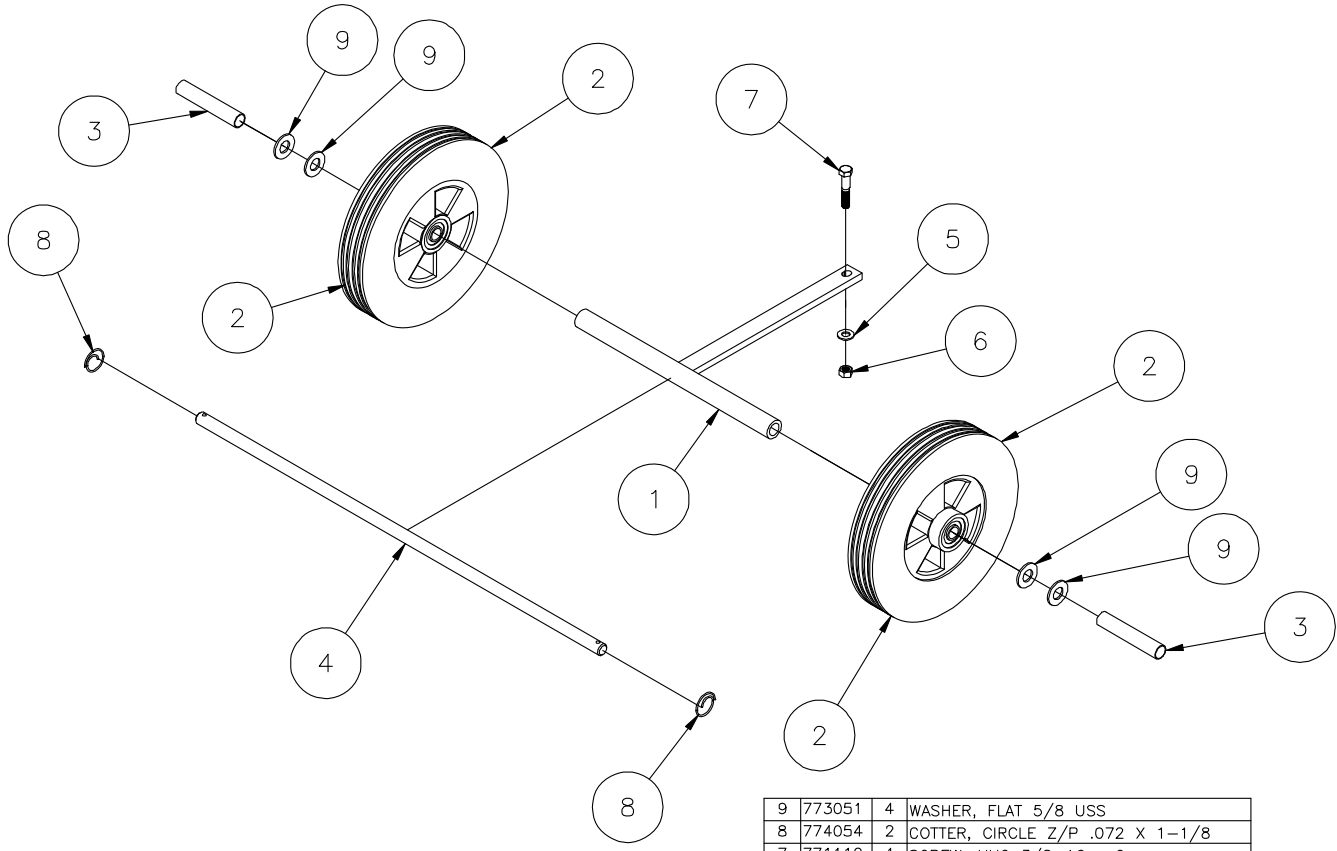
784797 - LOAD LINE, 2016S



CUT LENGTH OF CABLE = 55'-0"

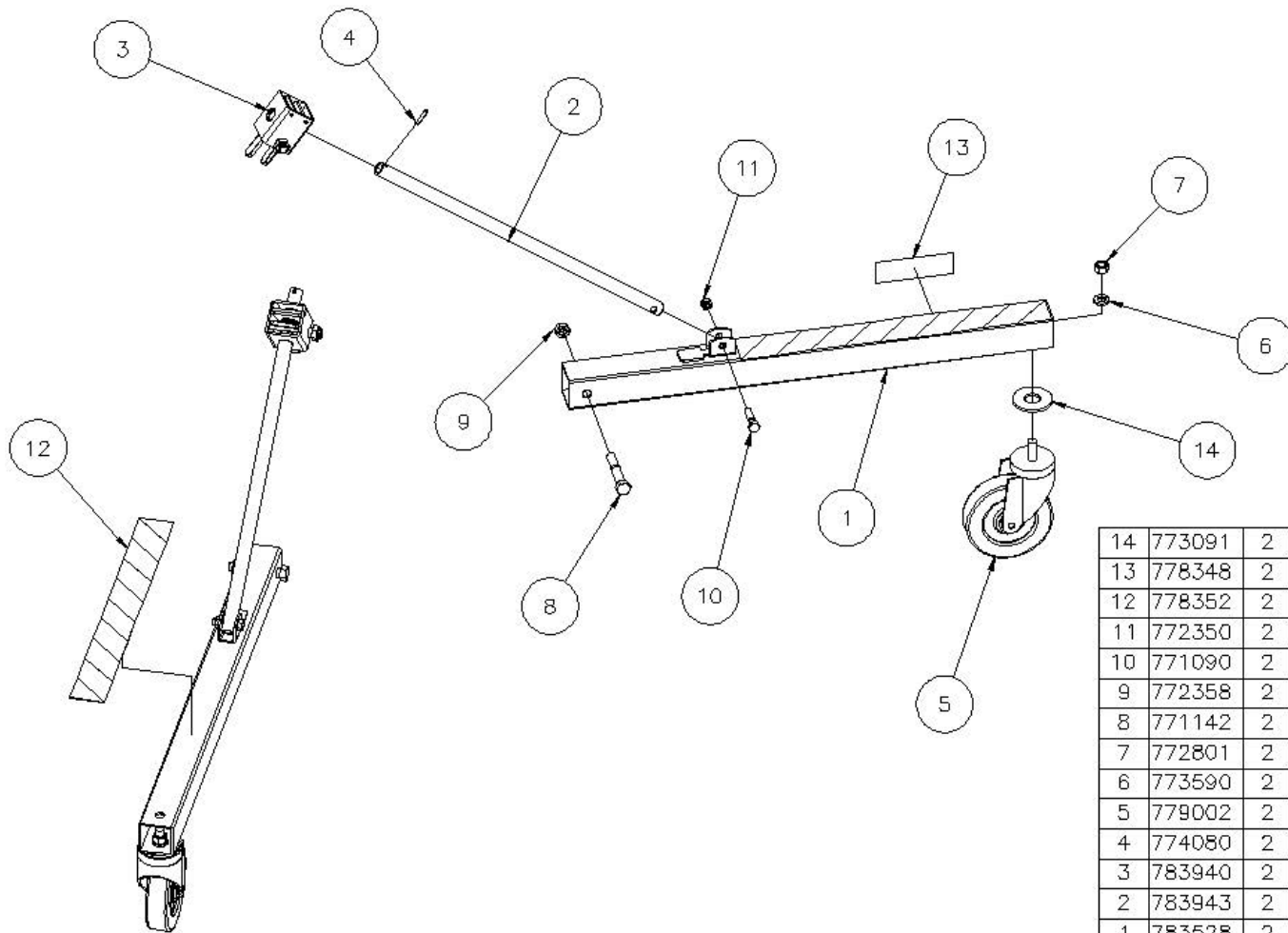
3	774110	1	THIMBLE, 7/32"
2	774062	1	FERREL DUPLEX ALUMINUM 7/32"
1	774220	1	CABLE, 7/32" 7 X 19 GALV AC
Item	Part No.	Qty	Description
Parts List			

783736 - 10" WHEEL KIT - OPTIONAL



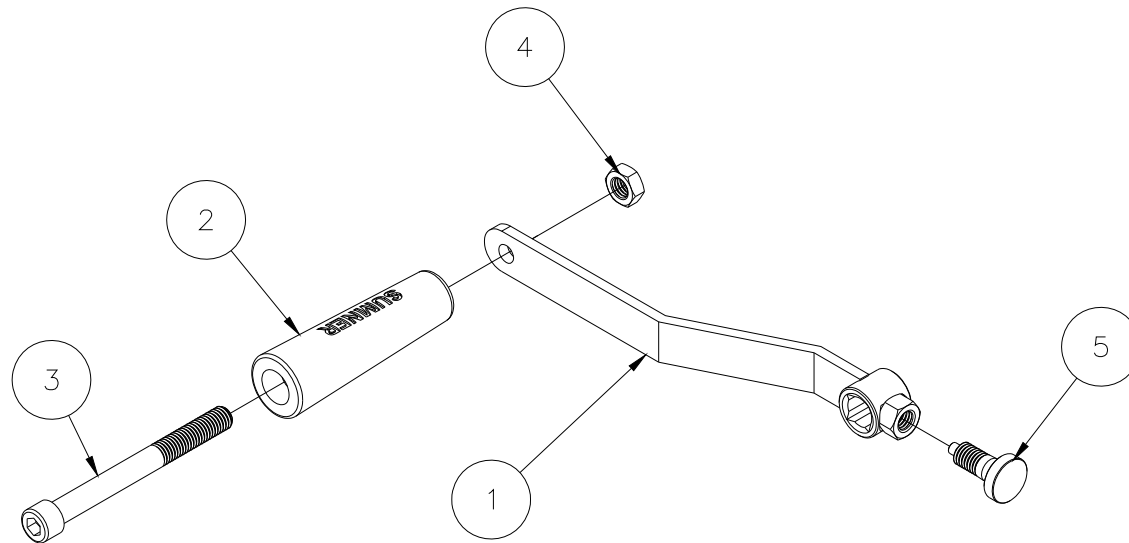
9	773051	4	WASHER, FLAT 5/8 USS
8	774054	2	COTTER, CIRCLE Z/P .072 X 1-1/8
7	771112	1	SCREW, HHC 3/8-16 x 2
6	772355	1	NUT, INSERT LOCK 3/8-16
5	773040	1	WASHER, FLAT 3/8 USS
4	782544	1	AXLE, MODEL 209
3	774039	2	SPACER, BUTTITE 5/8 X 4
2	779011	2	WHEEL, 10" RUBBER TIRE
1	783735	1	AXLE SUPPORT WELDMENT, 2100 SERIES
Item	Part No.	Qty	Description
Parts List			

783935 - OUTRIGGER ASSEMBLY - OPTIONAL



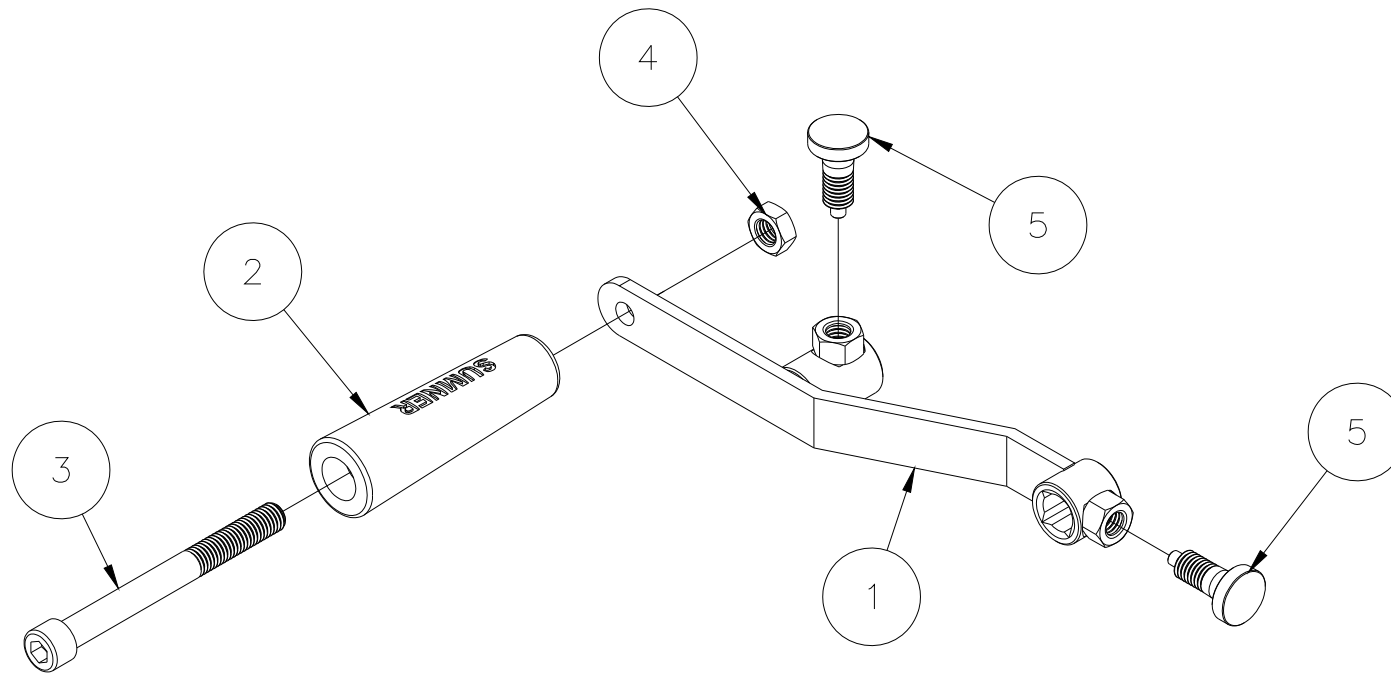
14	773091	2	WASHER, FLAT 7/8" USS PLT'D.
13	778348	2	LABEL, LOWER STAB'LZR LEGS
12	778352	2	TAPE, 2" B/Y CAUTION STRIPE
11	772350	2	NUT, INSERT JAM 3/8-16
10	771090	2	SCREW, HHC 3/8-16 X 1-1/2
9	772358	2	NUT, INSERT JAM 1/2-13
8	771142	2	SCREW, HHC 1/2-13 X 3
7	772801	2	NUT, HEX 12MM PLT'D.
6	773590	2	WASHER, LOCK 1/2"
5	779002	2	CASTER, 125 X 32 12MM STEM
4	774080	2	PIN, ROLL 3/16 X 1
3	783940	2	OUTRIGGER LOCK ASSEMBLY
2	783943	2	OUTRIGGER SUPPORT TUBE
1	783528	2	LEG WELDMENT, OUTRIGGER
Item	Part No.	Qty	Description
Parts List			

783757 - STANDARD WINCH HANDLE - MX WINCH



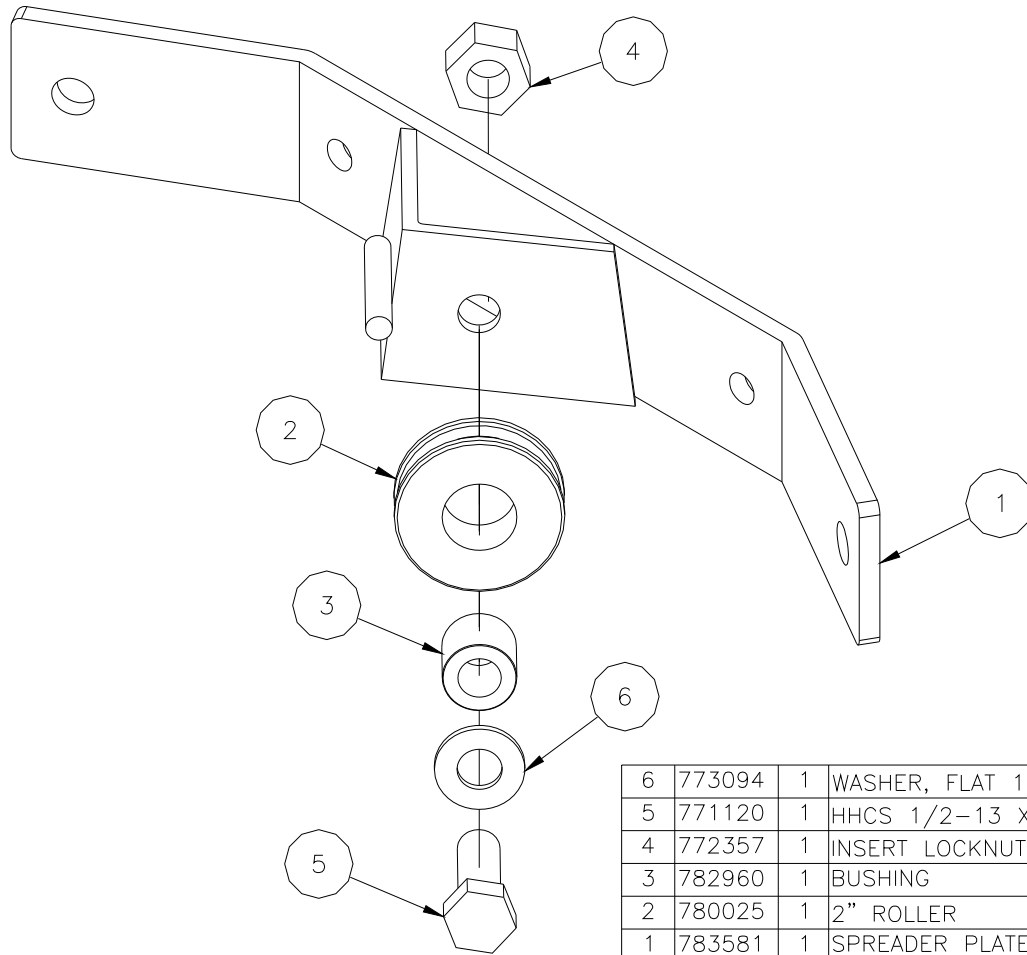
5	774180	1	PLUNGER ASSEMBLY
4	772358	1	1/2-13 INSERT JAM LOCK NUT
3	771254	1	SHCS 1/2-13 x 5
2	780182	1	WINCH HANDLE SLEEVE
1	783756	1	HANDLE WELDMENT
Item	Part No.	Qty	Description
Parts List			

783759 - TWO-SPEED WINCH HANDLE



5	774180	2	PLUNGER ASSEMBLY
4	772358	1	1/2-13 INSERT JAM LOCK NUT
3	771253	1	SHCS 1/2-13 x 5
2	780182	1	WINCH HANDLE SLEEVE
1	783758	1	2 SPEED HANDLE WELDMENT
Item	Part No.	Qty	Description
Parts List			

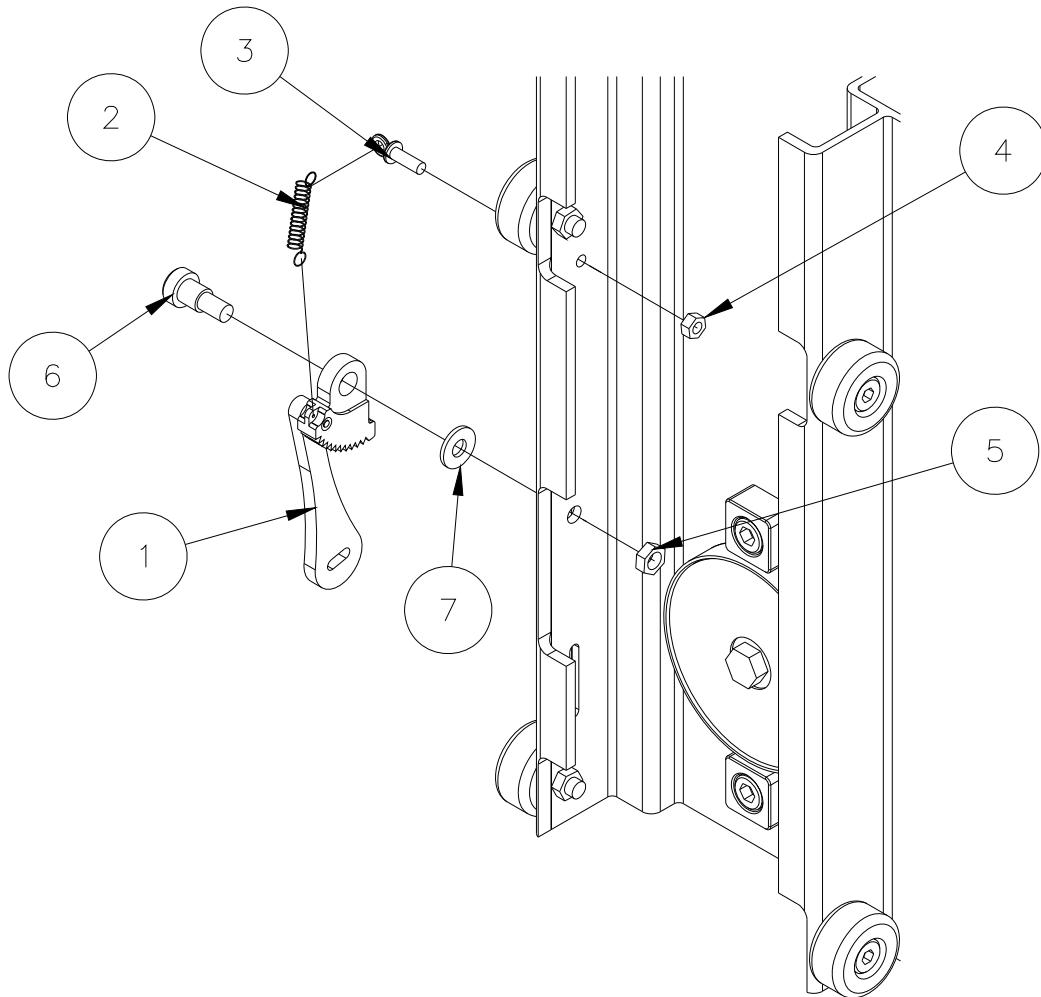
783582 - SPREADER PLATE ASSEMBLY



6	773094	1	WASHER, FLAT 1/2
5	771120	1	HHCS 1/2-13 X 1-1/2
4	772357	1	INSERT LOCKNUT 1/2-13
3	782960	1	BUSHING
2	780025	1	2" ROLLER
1	783581	1	SPREADER PLATE WELDMENT
Item	Part No.	Qty	Description
Parts List			

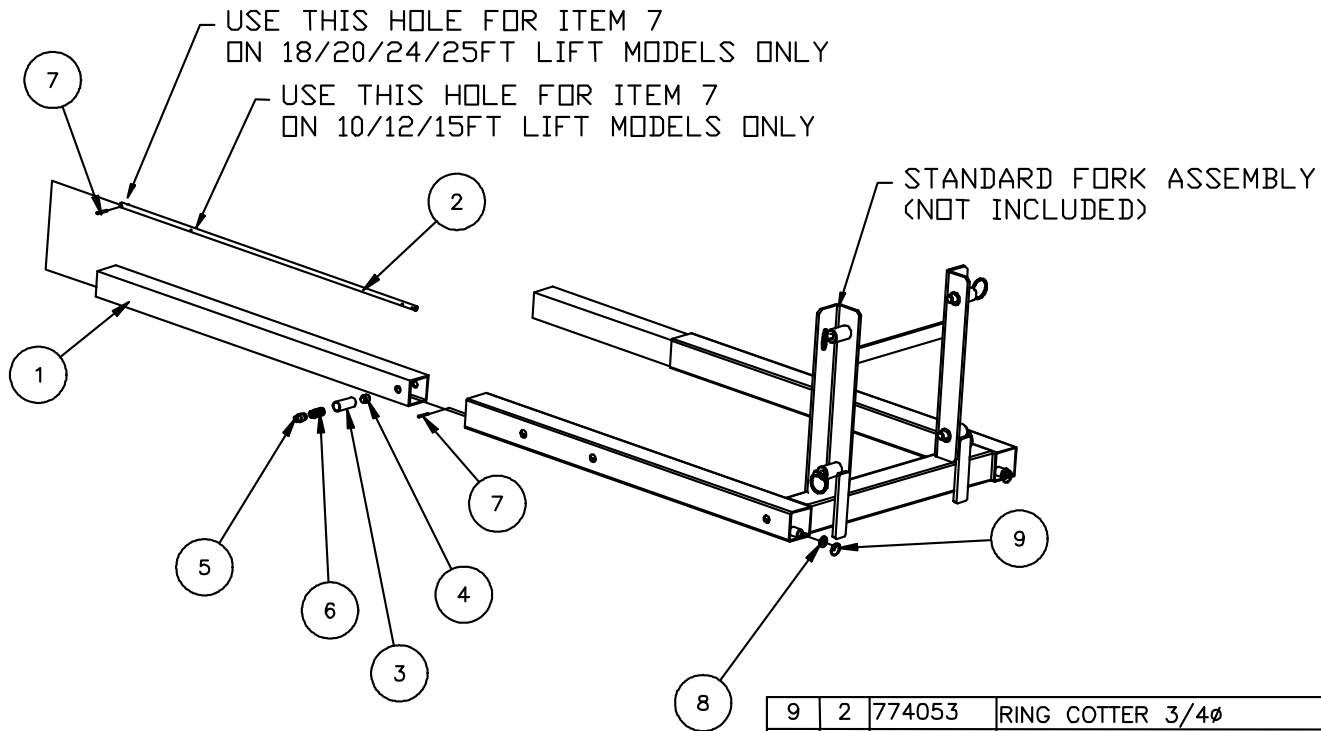
783881 - BRAKE INSTALLATION - OPTIONAL

NOTE: WHEN ORDERING BRAKES, YOU MUST SPECIFY LIFT MODEL NUMBER



7	773042	1	5/16 FLAT WASHER
6	771350	1	SHOULDER BOLT 1/2 X 1/2
5	772350	1	INSERT JAM LOCKNUT 3/8-16
4	772076	1	INSERT LOCKNUT 1/4-20
3	779900	1	ADJUSTING SCREW
2	783530	1	EXTENSION SPRING
1	783529	1	BRAKE CAM & WEIGHT ASSEMBLY
Item	Part No.	Qty	Description
Parts List			

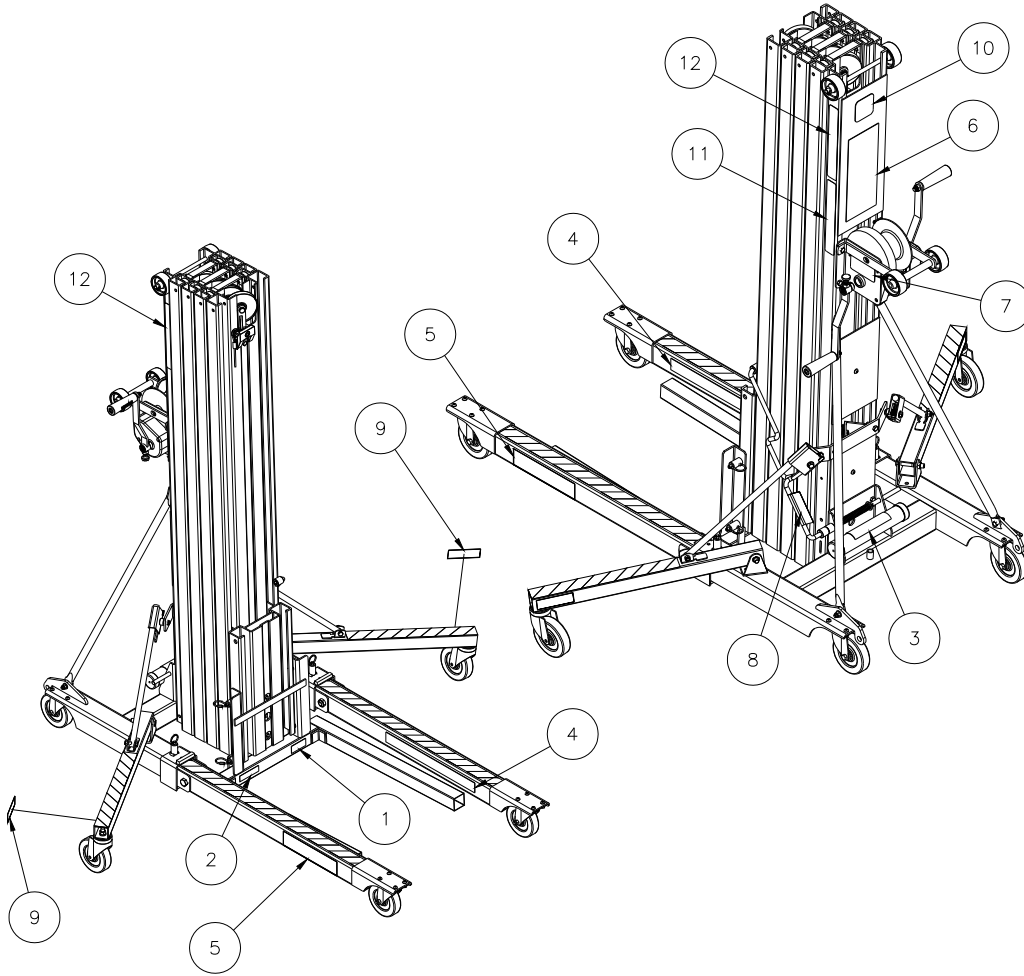
783691 - FORK EXTENSION KIT ASSEMBLY



NOTE CORRECT POSITION FOR ROLL PIN IN LIMIT ROD FOR EACH MODEL. USING THE OUTSIDE HOLE FOR 10-15FT MODELS MAY CAUSE AN UNSTABLE CONDITION WITH A LARGE LOAD. USE OF FORK EXTENSIONS REDUCES THE RATED CAPACITY TO 200 POUNDS AT THE END. REFER TO OWNERS MANUAL.

9	2	774053	RING COTTER 3/4 ϕ
8	2	773042	WASHER 5/16
7	4	774092	ROLL PIN
6	2	776212	SPRING
5	2	783509	LOCK PIN
4	2	783508	PIN
3	2	774035	SPACER
2	2	783589	LIMIT ROD
1	2	783588	EXTENSION TUBE
Item	Qty	PART #	DESCRIPTION
Parts List			

COMMON LABEL PLACEMENT



12	778368	2	LABEL, MODEL 2025
12	778367	2	LABEL, MODEL 2020
12	778366	2	LABEL, MODEL 2015
12	778365	2	LABEL, MODEL 2010
11	778369	1	LABEL, CE AND SERIAL NUMBER
10	778920	1	LABEL, CAUTION CARRIAGE LATCH
9	778348	2	LABEL, LOWER STABILIZER LEG
8	778461	1	LABEL, MAST HOLD DOWN BAR TYPE
7	778346	1	LABEL, WINCH RAISE/LOWER
6	778350	1	LABEL, GENERAL WARNINGS LARGE
5	778342	2	LABEL, SUMNER
4	778850	2	LABEL, DO NOT STAND UNDER LOAD
3	778906	1	LABEL, READ OPERATING INSTRUCTIONS
2	778339	1	LABEL, CARRIAGE LATCH WARNING
1	778347	1	LABEL, NO RIDER WARNING
Item	Part No.	Qty	Description
Parts List			