

ANTHONY
LIFTGATES, INC.®

PARTS BOOK

MTU-GLR

MTU-GLR-EX-3
MTU-GLR-EX-4



QUALITY, RELIABILITY, CUSTOMER SERVICE

MADE IN THE USA 

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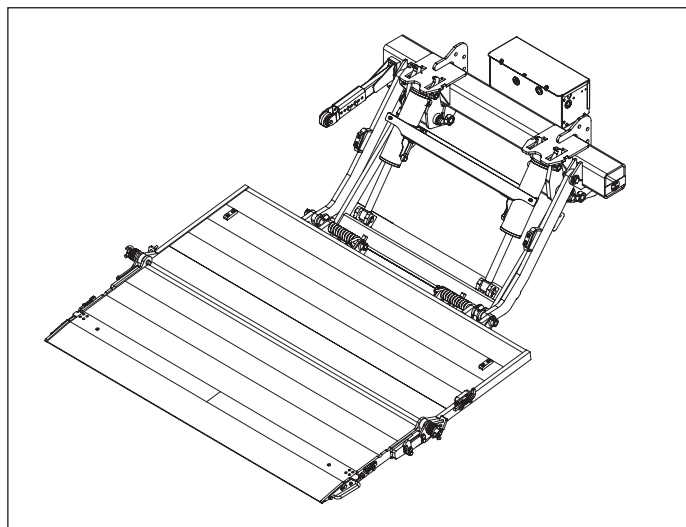
1. General Information Section

1.1 Introduction

Congratulations on selecting an Anthony Liftgates TuckUnder™ liftgate.

All Anthony tuckunder model liftgates are factory assembled, energized, and tested to ensure the highest quality performance standards. MTU-GLR-EX models and MTU-GLR-EX liftgates ship completely assembled for fast, clean, and easy installation.

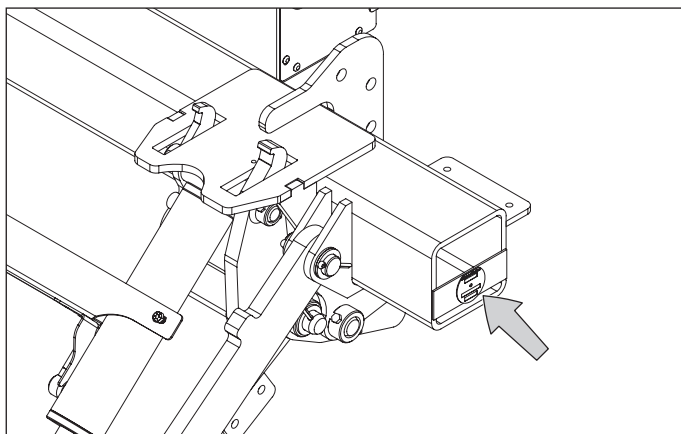
To ensure your liftgate will perform to your expectations, we have provided this Installation Manual, which is designed to provide you with the necessary installation instructions and safety precautions for the installation of the MTU-GLR-EX TuckUnder™ liftgates.



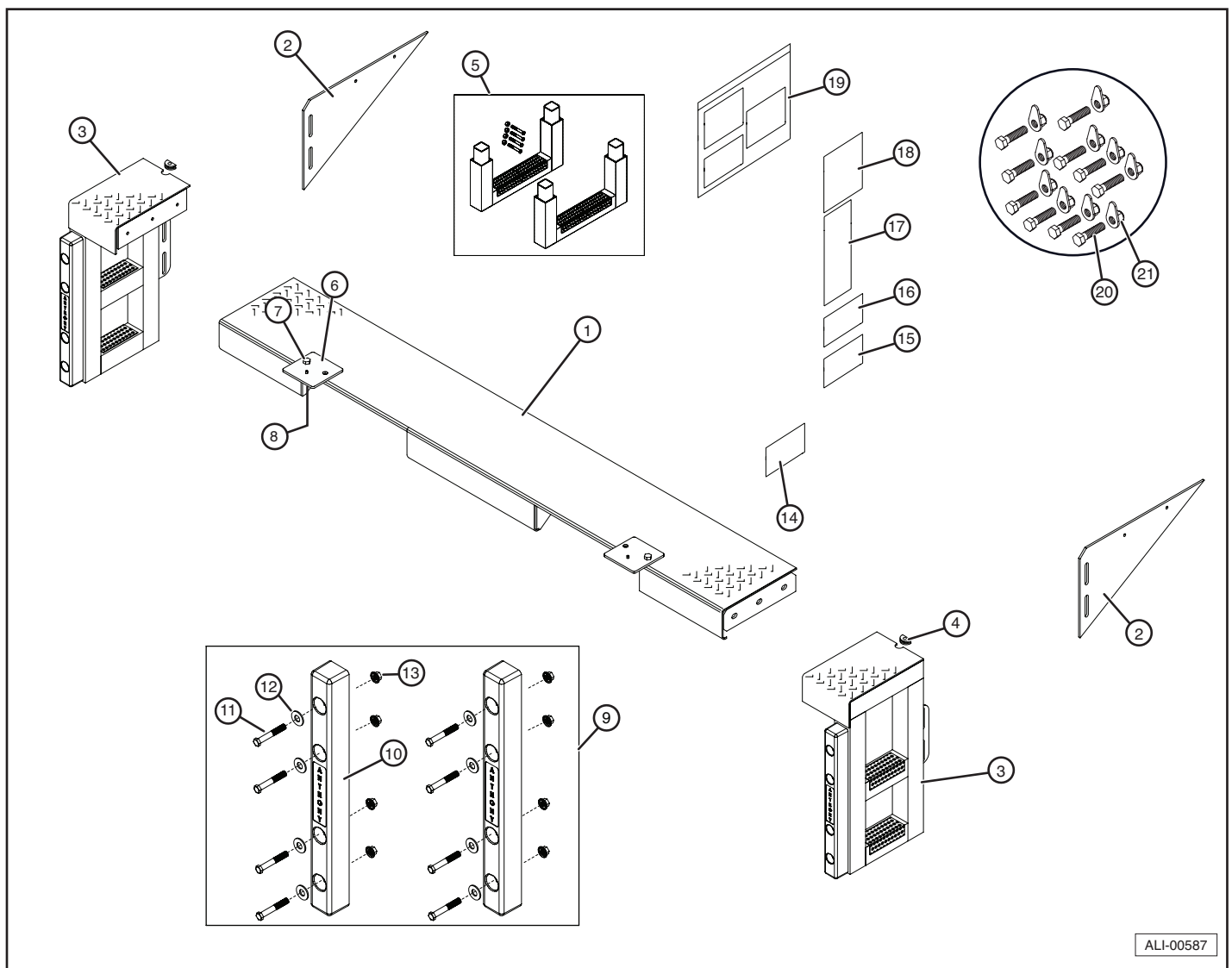
1.2 Serial Number

Before calling for warranty or other product information, have the serial number, model number, and lift capacity of your liftgate available. This information is stamped into the identification plate on the curbside of the tube frame adaptor and will help us verify your warranty information and your specific liftgate.

Record the serial number, model number, date of installation, and load capacity in the Operation Manual for easy reference when contacting your authorized dealer with questions.



2. Dock Bumper and Decals



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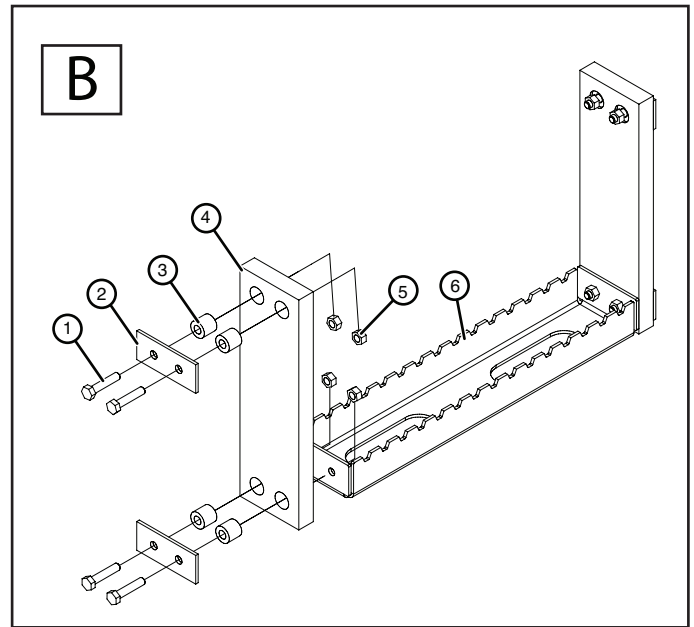
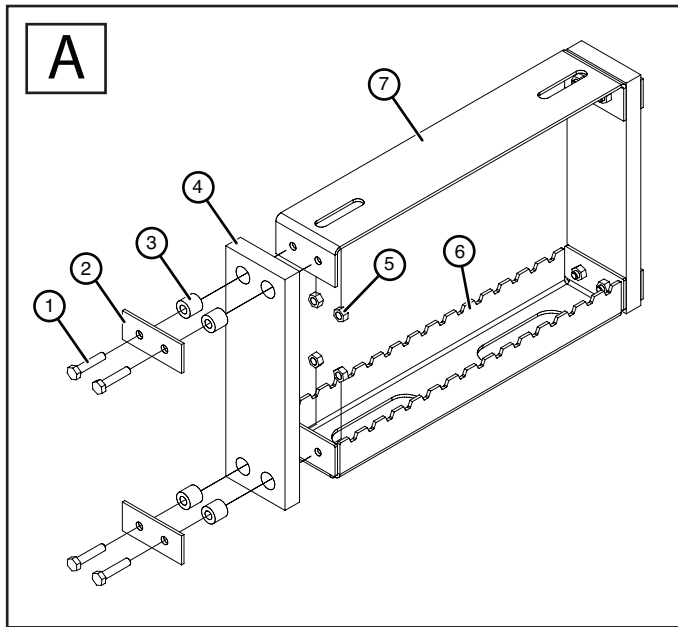
Item	Part Number	Description	Qty.
1	A-140710*	FLOOR EXTENSION WELDMENT - 96" X 18" DEEP (1/4" DECK)	1
	A-140711*	FLOOR EXTENSION WELDMENT - 102" X 18" DEEP (1/4" DECK)	
	A-140944*	FLOOR EXTENSION WELDMENT - 102" X 18" DEEP (3/8" DECK)	
2	ATU-200*	GUSSET-FOR DOCK BUMPER/STEPS	2
	A-140685-R*	GUSSET-FOR XD DOCK BUMPER/STEPS	1
	A-140685-L*	GUSSET-FOR XD DOCK BUMPER/STEPS	1
3	A-140920*	DOCK BUMPER SET WITH PADS AND GUSSETS (96" ONLY) 18" DEEP	1
	A-140721*	DOCK BUMPER SET WITH 20" PADS AND GUSSETS (102" ONLY) 18" DEEP	
	A-140690*	XD DOCK BUMPER SET WITH 20" PADS AND GUSSETS (102" ONLY) 18" DEEP	
	A-141066*	DOCK BUMPER SET 2 STEP+FLEX WITH PADS AND GUSSETS, 18" (96")	
	A-141067*	DOCK BUMPER SET 2 STEP+FLEX WITH PADS AND GUSSETS, 18" (102")	
4	A-140116	GROMMET, RUBBER	2
5	A-140747*	STEP EXTENSION KIT (102" ONLY) 18" DEEP	1
	A-140917*	XD STEP EXTENSION KIT (102" ONLY) 18" DEEP	
6	A-140959	INSTALL BRACKET W/M	2
7	A-132085	1/2-13 X 1.0 GR8 HEX BOLT	2
8	3139	1/2-13 HEX NUT GR8 ZP	2
9	ATU-1119	DOCK BUMPER PAD KIT (20")	1

Item	Part Number	Description	Qty.
10	ATU-798	DOCK BUMPER PAD (20")	2
11	ATU-259	1/2-13 X 2" GRADE 8 BOLT	8
12	A-150065	1/2" FLAT WASHER	8
13	A-132301	1/2-13 NYLOCK GR8 NUT ZP	8
14	ATU-147	DECAL: 3000LB ¹	1
	A-171433	DECAL: 4000LB ¹	1
15	A-131053	DECAL: AFTER USING LIFTGATE ¹	1
16	A-150238	DECAL: PROTECTED WITH ELECTRICAL OVERLOAD CIRCUIT BREAKER ¹	1
17	ATU-423	DECAL: OPERATING INSTRUCTIONS ¹	1
18	A-131115	DECAL: PERSONAL INJURY ¹	1
19	A-140120	DECAL/INSTALL KIT (3000LB CAPACITY) ¹	1
	A-140121	DECAL/INSTALL KIT (4000LB CAPACITY) ¹	1
20	A-132085	1/2-13 X 1.0 GR8 HEX BOLT	10
21	ATU-1445	NUT LOBE WELDMENT (BOLT-ON FLOOR EXTENSIONS)	10

¹ Refer to Section 13 for a complete list and picture of the decals.

* Available in galvanized finish by adding a "-G" to the part number when ordering.

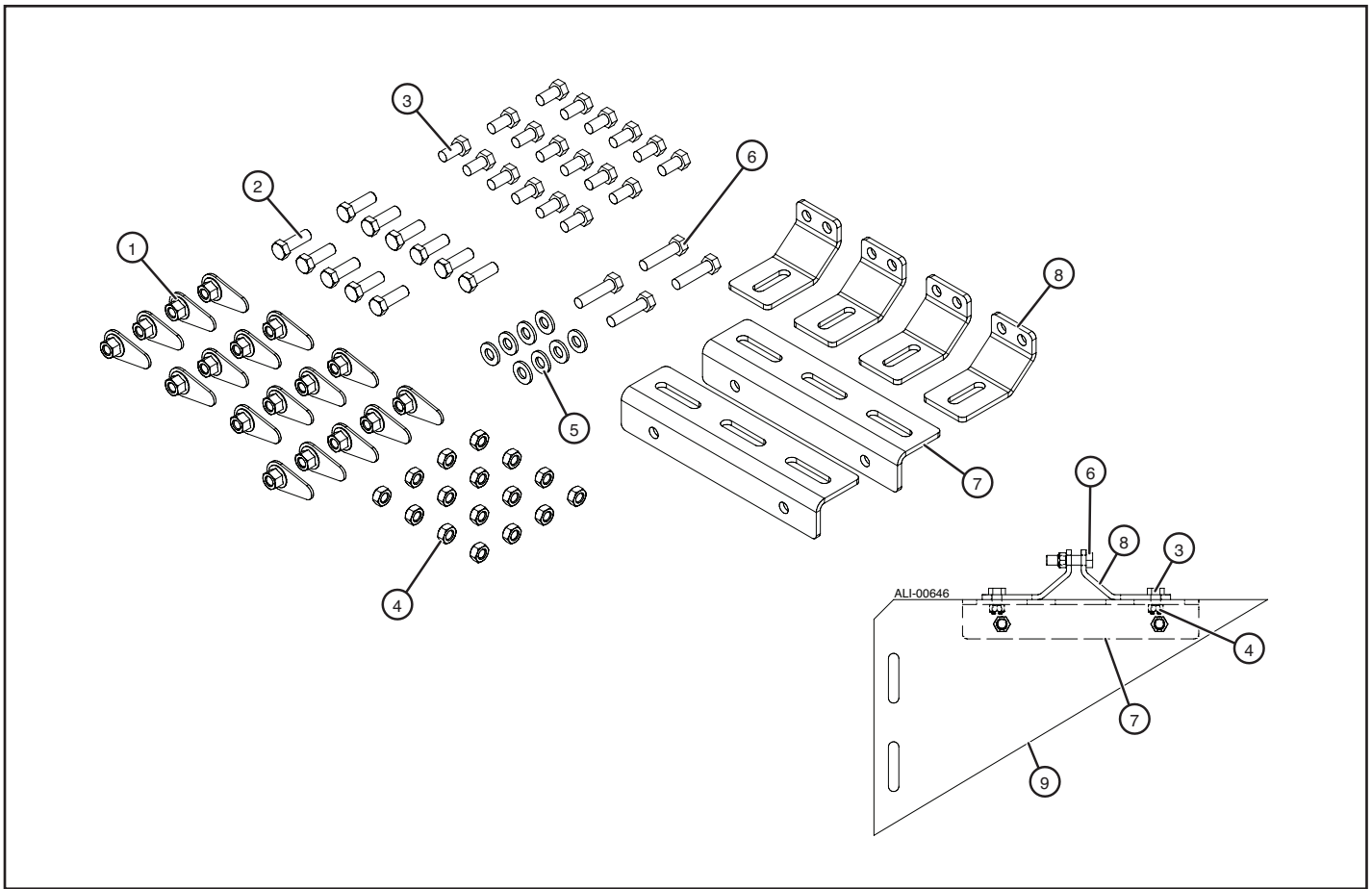
2.1 Flex Step Kits



Item	Part Number	Description	Qty.
A	A-141079*	FLEX STEP REPLACEMENT KIT – 18"	1
B	A-141077*	FLEX STEP RETRO KIT – 18"	1
1	A-132321	5/16-18 X 1.50" HEX BOLT	8
2	A-140997-P	FLEX STEP COMPRESSION PLATE	4
3	A-140999-P	FLEX STEP SPACER	8
4	A-140995	3.25" FLEX STEP RUBBER	2
5	862	5/16-18 LOCKNUT	8
6	A-141075*	FLEX STEP FORMED STEP - 18"	1
7	A-141074	FLEX STEP MOUNTING BRACKET - 18"	1
—	A-141049	FLEX STEP SERVICE INSTALL INSTR 3.25"	1

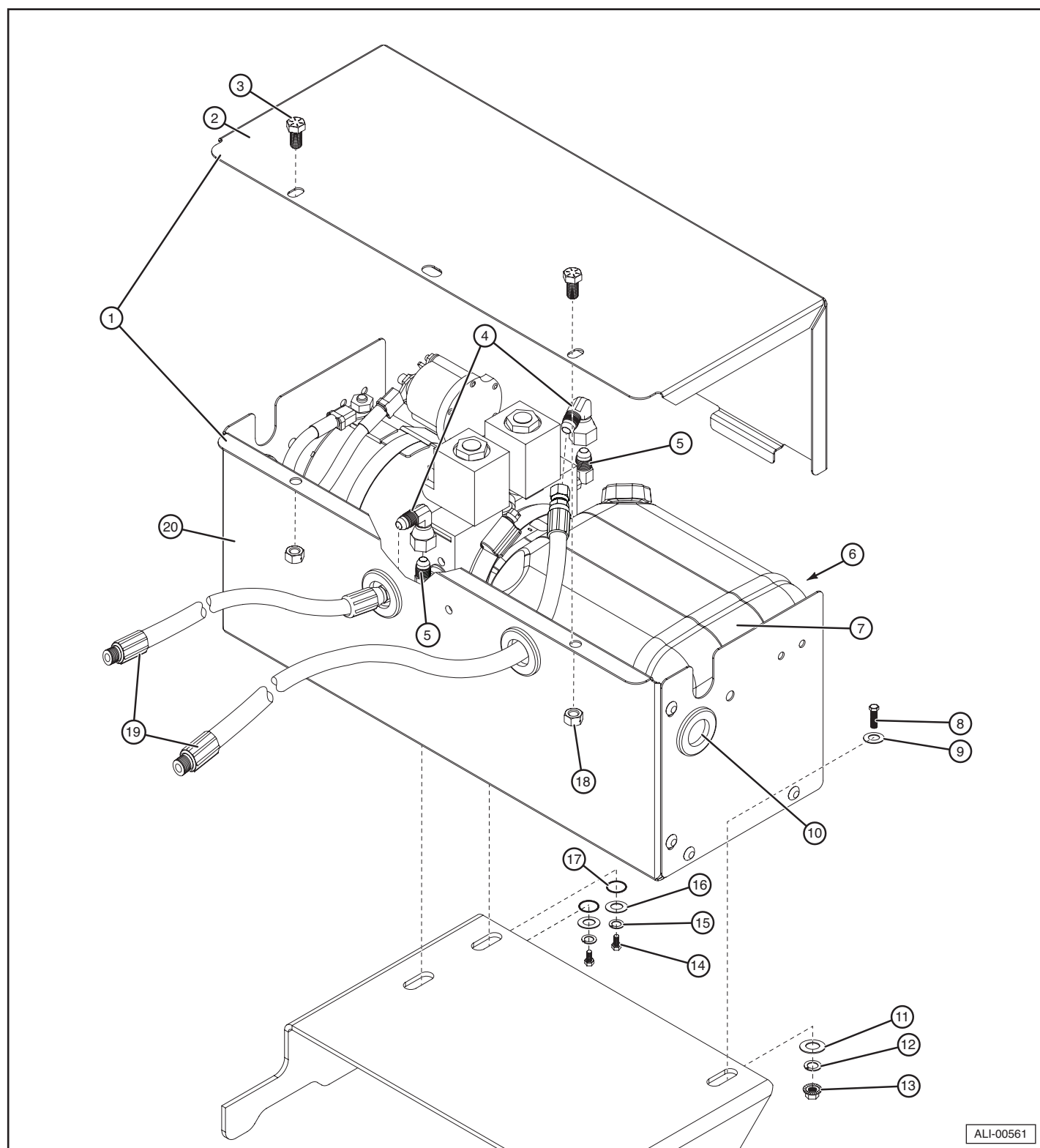
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2.2 Bolt-on Floor Extension Parts



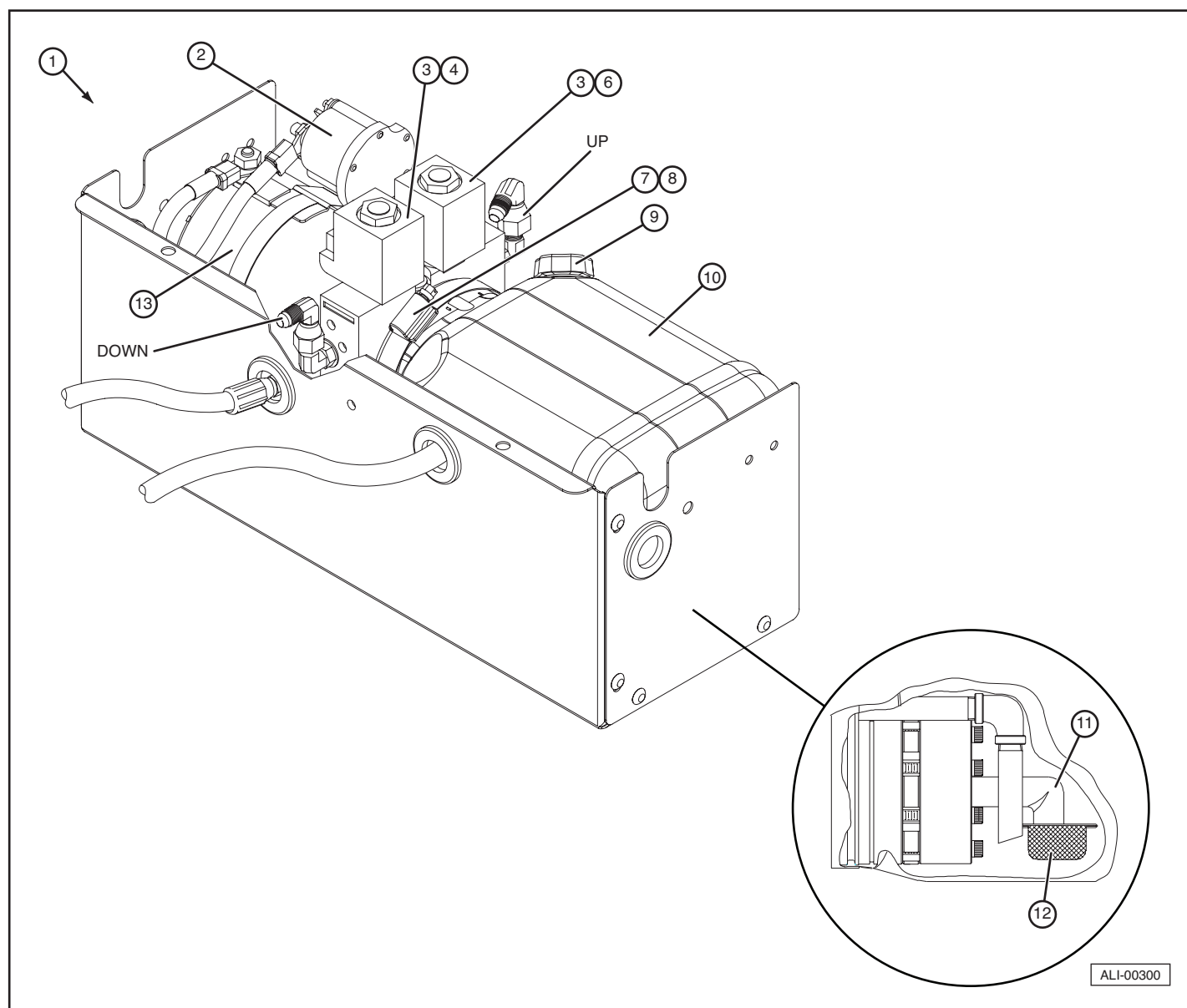
Item	Part Number	Description	Qty.
1	ATU-1445	NUT LOBE WELDMENT (BOLT-ON FLOOR EXTENSIONS)	17
2	A-150072	1/2-13 X 1.5" H/H C/S GR.8 ZP	11
3	A-132085	1/2-13 X 1.0 GR8 HEX BOLT	18
4	A-132024	1/2-13 LOCKNUT	16
5	A-150065	1/2" SAE F/W 17/32" ID X 1-1/16" OD ZP	8
6	ATU-259	1/2-13 X 2" H/H C/S GR. 8 ZP	4
7	ATU-1651	BOLT ON GUSSET MOUNT	2
8	A-140911	MOUNTING BOLT-ON BRKT	4
---	A-140996	SIDE GUSSET	1

3. Pump Box



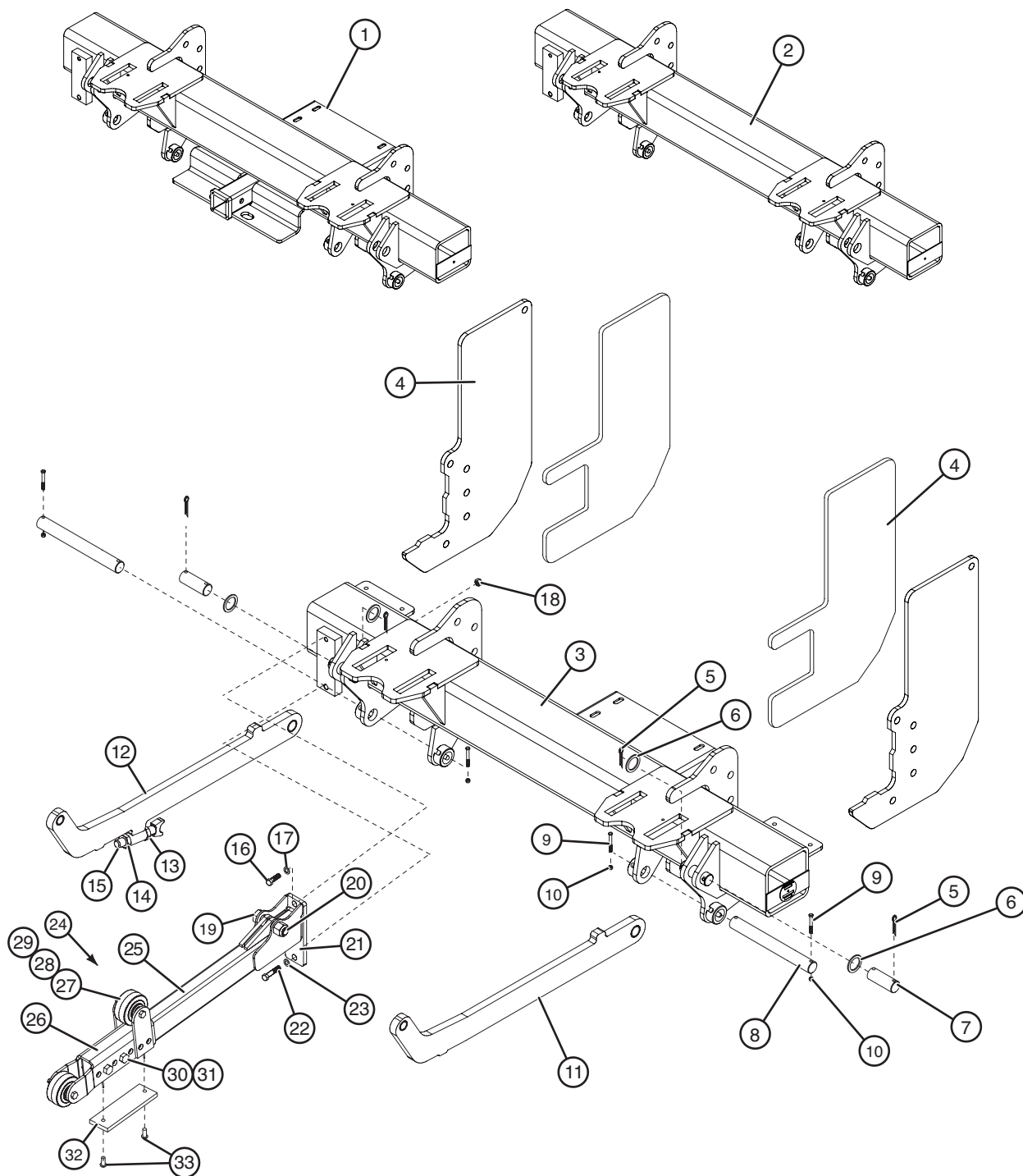
Item	Part Number	Description	Qty.
1	ATU-586	PUMP BOX-COMplete	1
2	ATU-533	PUMP BOX COVER	1
3	764	3/8-16 X 3/4" HEX BOLT	2
4	A-130142	90DEG ELBOW (MALE JIC#6 TO FEMALE JIC#6)	2
5	A-130140	FITTING: 90DEG ADAPTER (MALE SAE#6 TO MALE JIC#6)	2
6	A-130166	MTU POWER PACK UNIT (COMPLETE, 3000LB CAPACITY)	1
	A-130214	MTU POWER PACK UNIT (COMPLETE, 4000-6000LB CAPACITY)	
7	A-150635	RESERVOIR (INCLUDES FILLER/VENT CAP)	1
8	874	3/8-16 X 1" HEX BOLT	1
9	2058	3/8" FLAT WASHER	1
10	ATU-137	RUBBER GROMMET	4
11	2058	3/8" FLAT WASHER	1
12	2054	3/8" LOCKWASHER	1
13	A-132038	3/8-16 FLANGE NUT, WHIZ-LOCK	1
14	25	3/8-16 X 1.5" HEX BOLT	2
15	2054	3/8" LOCKWASHER	2
16	2058	3/8" FLAT WASHER	2
17	A-132011	3/8" EXTERNAL STAR WASHER	2
18	A-132364	3/8-16 NYLOCK NUT	2
19	A-140380	HYDRAULIC HOSE ASSY (POWER PACK TO TRAY, "DOWN", 24")	1
	A-130381	HYDRAULIC HOSE ASSY (POWER PACK TO TRAY, "UP", 35")	
20	ATU-531	PUMP BOX ENCLOSURE	1
—	ATU-637	SPACER (UNDER PUMP) (NOT SHOWN)	1

4. Hydraulic Power Pack



Item	Part Number	Description	Qty.
1	A-130166	MTU POWER PACK UNIT (COMPLETE, 3000LB CAPACITY) W/O ENCLOSURE	1
	A-130214	MTU POWER PACK UNIT (COMPLETE, 4000-6000LB CAPACITY) W/O ENCLOSURE	
2	ATU-120	SOLENOID RELAY, 12VDC MOTOR RUN	1
3	A-176315	COIL ONLY, 12VDC	1
4	A-130216	VALVE/12VDC COIL/CARTRIDGE COMBINATION (LOWER, SINGLE O-RING, GREEN WIRE)	1
5	—	—	—
6	A-130215	VALVE/12VDC COIL/CARTRIDGE COMBINATION (RAISE, TRIPLE O-RING, RED WIRE)	1
7	ATU-565	RESERVOIR ATTACHMENT CLAMP	1
8	A-150019	RESERVOIR ATTACHMENT O-RING	1
9	A-150546	FILLER/VENT CAP	1
10	A-150635	RESERVOIR (INCLUDES FILLER/VENT CAP)	1
11	A-150015	FILTER NIPPLE	1
12	A-150016	FILTER SCREEN	1
13	A-150018	MOTOR, 12VDC, NO THERMAL SWITCH	1

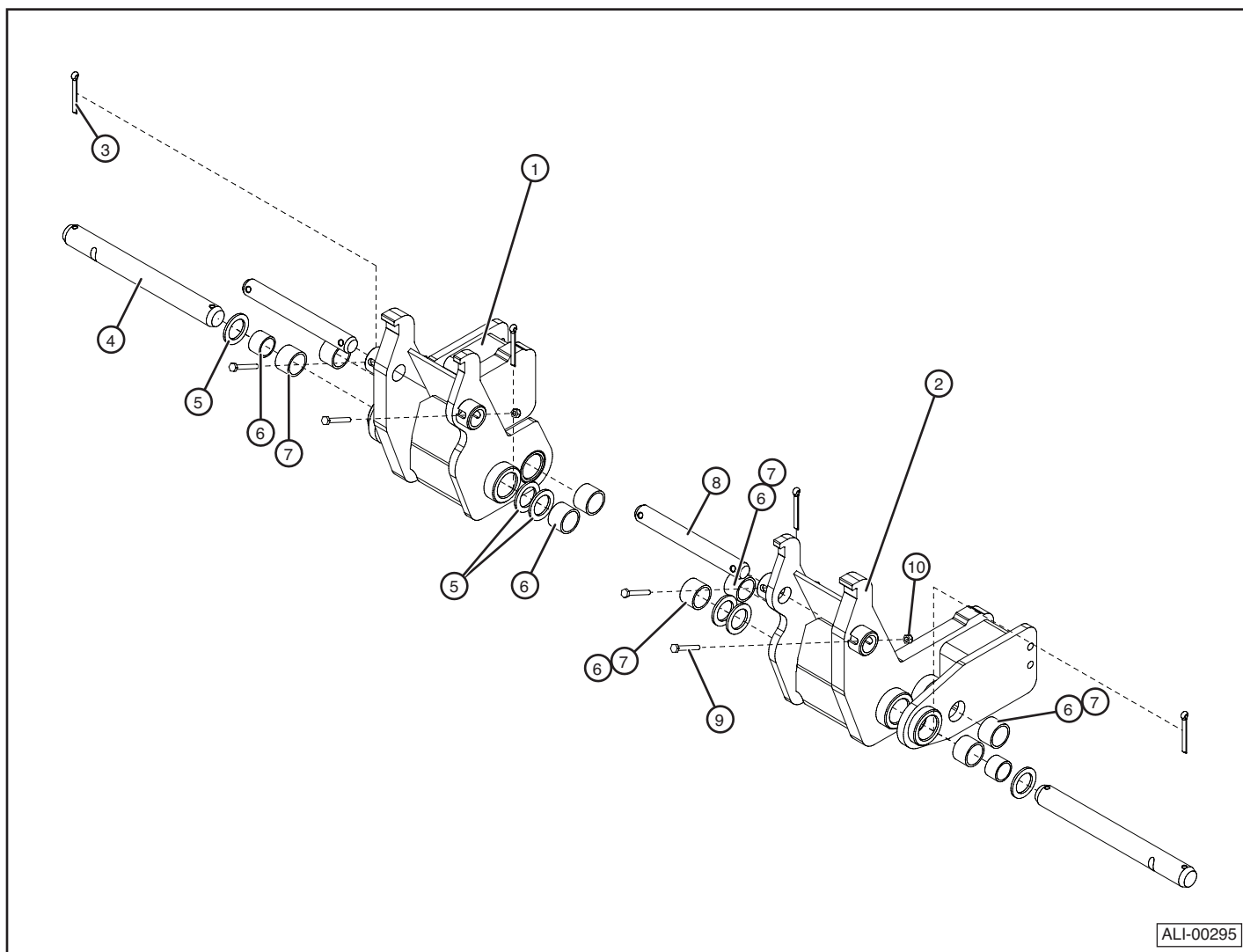
5. Frame Mounting Assembly



Item	Part Number	Description	Qty.
1	A-140910*	ADAPTER FRAME WELDMENT WITH HITCH (BOLT ON GALVANIZED ADAPTER FRAME SHOWN)	1
2	A-140869*	ADAPTER FRAME: MTU-GLR-3/4 EX LESS PUMP BOX (BOLT ON GALVANIZED ADAPTER FRAME SHOWN)	1
3	A-140868*	ADAPTER FRAME WELDMENT WITH PUMP BOX MOUNTM (STEEL ADAPTER FRAME SHOWN)	1
4	A-140365* A-140022*	MOUNTING PLATE - EX (BOLT ON GALVANIZED ADAPTER FRAME) MOUNTING PLATE (WELD ON STEEL ADAPTER FRAME)	2
5	A-132027	COTTER PIN: 1/4" DIAM X 2" LONG, STAINLESS STEEL	4
6	ATU-134	RING WASHER: 1.25" ID X 1.875" OD X .125" THICK	4
7	A-140046	PIN: RADIUS ARM TO ADAPTER FRAME (DIAM.: 1.25", 3.5" LONG)	2
8	A-140175	PIN: ROCKER TO ADAPTER FRAME (DIAM: 1.25", 11.875" LONG)	2
9	A-132132	5/16-18 X 2.5" HEX BOLT	4
10	862	5/16-18 LOCKNUT	4
11	A-140338*	RADIUS ARM ASSY (INCL. BUSHINGS) - EX	1-2
12	A-140949*	RADIUS ARM ASSY LH W/GATE LATCH & PLATFORM STOP	1
13	A-132337	1"-8 JAM NUT	2
14	A-132342	NYLOCK NUT	1
15	A-140891	LATCH PIN	1
16	ATU-260	1/2-13 X 1.25" GRADE 8 BOLT	1
17	1691	1/2" LOCKWASHER	1
18	3139	1/2-13 NUT	1
19	A-132322	3/4-10 X 3" GRADE 8 BOLT	1
20	A-132323	3/4-10 NYLOCK NUT	1
21	A-140393*	WHEEL ARM BASE WELDMENT - EX HINGED	1
22	ATU-259	1/2-13 X 2" GRADE 8 BOLT	1
23	A-150065	1/2" FLAT WASHER	2
24	A-140392*	WHEEL ARM ASSY COMPLETE	1
25	A-140396*	WHEEL ARM TUBE WELDMENT - EX HINGED	1
26	ATU-886*	WHEEL ARM CHANNEL WELDMENT - EX	1
27	ATU-795	WHEEL ASSY	1
28	A-132039	3/8-24 X 3" GRADE 8 BOLT	2
29	2184	3/8-24 LOCKNUT	2
30	A-132112	1/2-13 X 2.5" GRADE 8 BOLT	2
31	A-132024	1/2-13 LOCKNUT	2
32	A-180056	GLIDE STRIP	1
33	A-132324	3/16" SS RIVET .152-.375 GRIP RANGE	2

* Available in galvanized finish by adding a "-G" to the part number when ordering.

6. Rocker Assembly

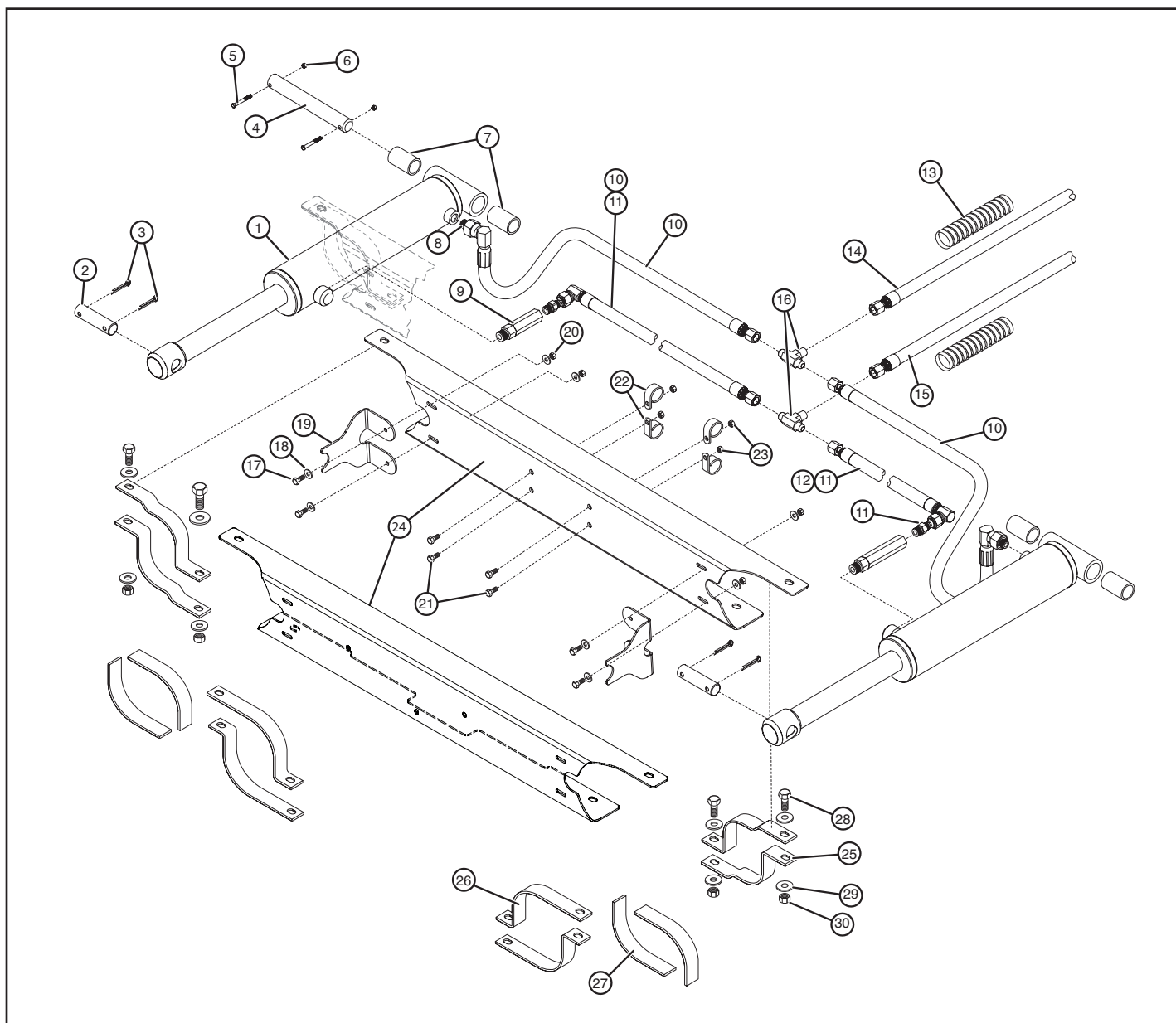


Item	Part Number	Description	Qty.
1	A-140874*	LH ROCKER WITH BUSHINGS - FLAT TOP STOP-GEN3	1
2	A-140873*	RH ROCKER WITH BUSHINGS - FLAT TOP STOP-GEN3	1
3	A-132027	COTTER PIN: 1/4" DIAM X 2" LONG, STAINLESS STEEL	4
4	A-140176	PIN: ROCKER TO LIFTFRAME (DIAM: 1.25", 11.875" LONG)	2
5	ATU-134	RING WASHER: 1.25" ID X 1.875" OD X .125" THICK	6
6	ATU-428	COMPOSITE BUSHING, 1.25" ID X 1.5" OD X 1" LONG	8
7	A-140225	BUSHING	8
8	A-140864	PIN: CYLINDER UPPER (DIAM: 1", 8.375" LONG) GEN3	2
9	ATU-358	1/4-20 X 2" GRADE 8 BOLT	4
10	ATU-359	1/4-20 LOCKNUT	4

* Available in galvanized finish by adding a "-G" to the part number when ordering.

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7. Hydraulic Cylinders

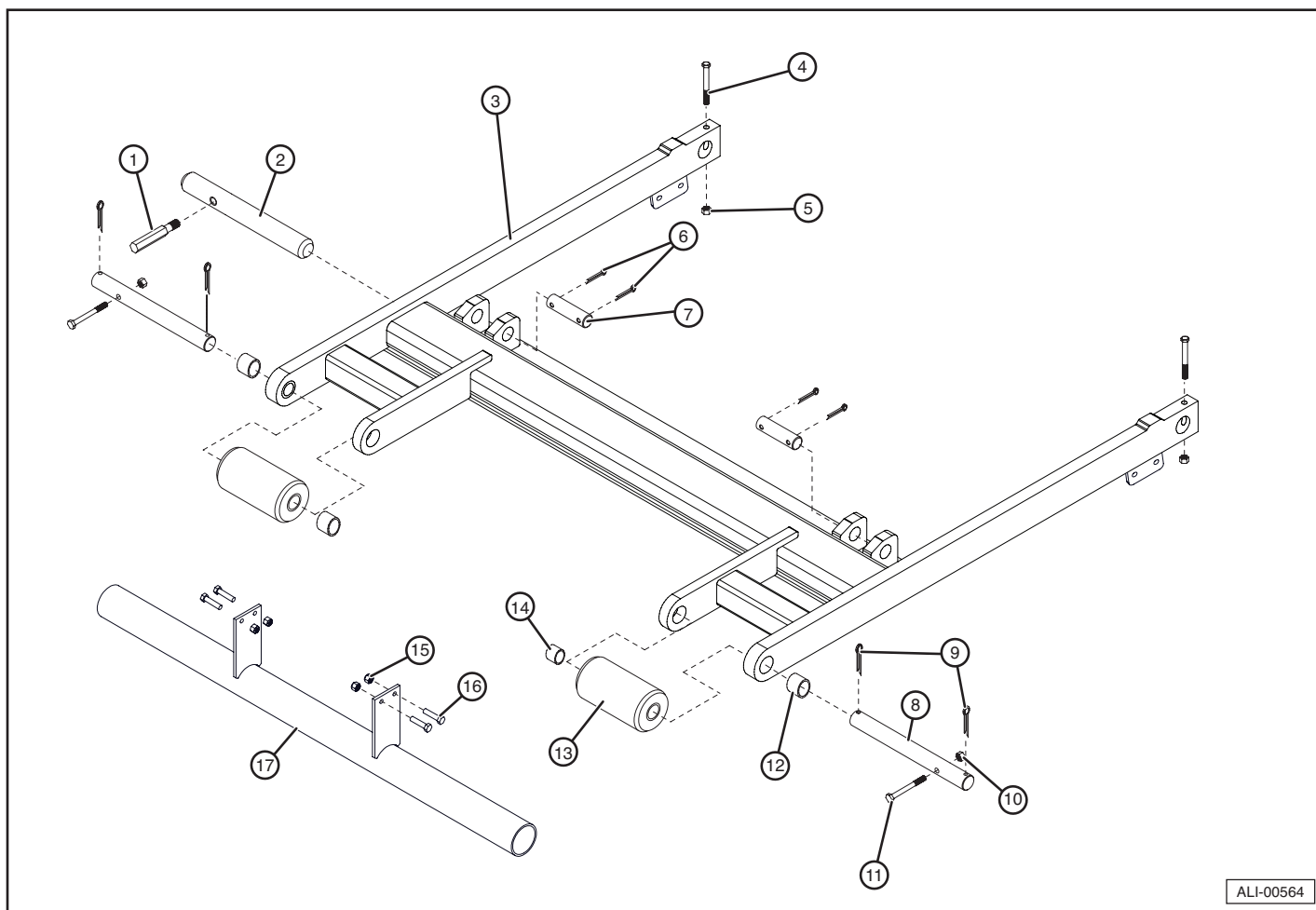


Item	Part Number	Description	Qty.
1	A-130113	HYDRAULIC CYLINDER ASSY 3000LB CAPACITY, INCL. BUSHINGS	2
	A-130114	HYDRAULIC CYLINDER ASSY 4000-6000LB CAPACITY, INCL. BUSHINGS	
2	ATU-103	PIN: CYLINDER LOWER (DIAM: 1", 4.625" LONG)	2
3	A-132026	COTTER PIN: 1/4" DIAM X 1.5" LONG, STAINLESS STEEL	4
4	A-140864	PIN: CYLINDER UPPER (DIAM: 1", 8.375" LONG)	2
5	ATU-358	1/4-20 X 2" GRADE 8 BOLT	4
6	ATU-359	1/4-20 LOCKNUT	8
7	ATU-427	COMPOSITE BUSHING, 1" ID X 1.25" OD X 2" LONG	4
8	A-130198	FITTING: STRAIGHT ADAPTER (MALE SAE#6 TO MALE JIC#6)	2
9	A-130101	RESTRICTOR VALVE (2.25 GPM, 4000-6000LB CAPACITY)	2
	A-130104	RESTRICTOR VALVE (1.0 GPM, 3000LB CAPACITY)	
10	A-130383	HYDRAULIC HOSE ASSY (TRAY TO UPPER CYLINDER PORT, 18") (USE 3 ON HITCH MODELS)	2-3
11	A-130382	HYDRAULIC HOSE ASSY (TRAY TO LOWER CYLINDER PORT, 15") (NOT ON HITCH MODELS)	2
12	A-130391	HYDRAULIC HOSE ASSY (TRAY TO LOWER CYLINDER PORT, 11.5") (HITCH MODELS ONLY)	1
13	A-130339	HOSE GUARD	2

Item	Part Number	Description	Qty.
14	A-140380	HYDRAULIC HOSE ASSY (POWER PACK TO TRAY, "DOWN", 24")	1
15	A-130381	HYDRAULIC HOSE ASSY (POWER PACK TO TRAY, "UP", 35")	1
16	A-130205	TEE FITTING: 06MJ-06MJ-06MJ	2
17	A-132035	1/4-20 HEX BOLT	4
18	2051	1/4" FLAT WASHER	8
19	A-140861	HOSE TRAY SUPPORT	2
20	ATU-359	1/4-20 LOCKNUT	4
21	2145	5/16-18 X .75" FLANGE BOLT	4
22	A-132115	HYDRAULIC HOSE CLAMP, 5/8" STEEL/VINYL COATED	4
23	2114	5/16-18 FLANGE NUT, WHIZ-LOCK	4
24	A-140835* A-140886	HOSE TRAY HOSE TRAY FOR HITCH ADAPTER FRAME (OPTIONAL)	1
25	A-140833	3" CYLINDER CLAMP	4
26	A-140834	4" CYLINDER CLAMP	4
27	A-132333	RUBBER TAPE W/ADHESIVE	4
28	874	3/8-16 X 1" HEX BOLT	4
29	2058	3/8" FLAT WASHER	8
30	2064	3/8-16 LOCKNUT	4

* Available in galvanized finish by adding a "-G" to the part number when ordering.

8. Lift Frame

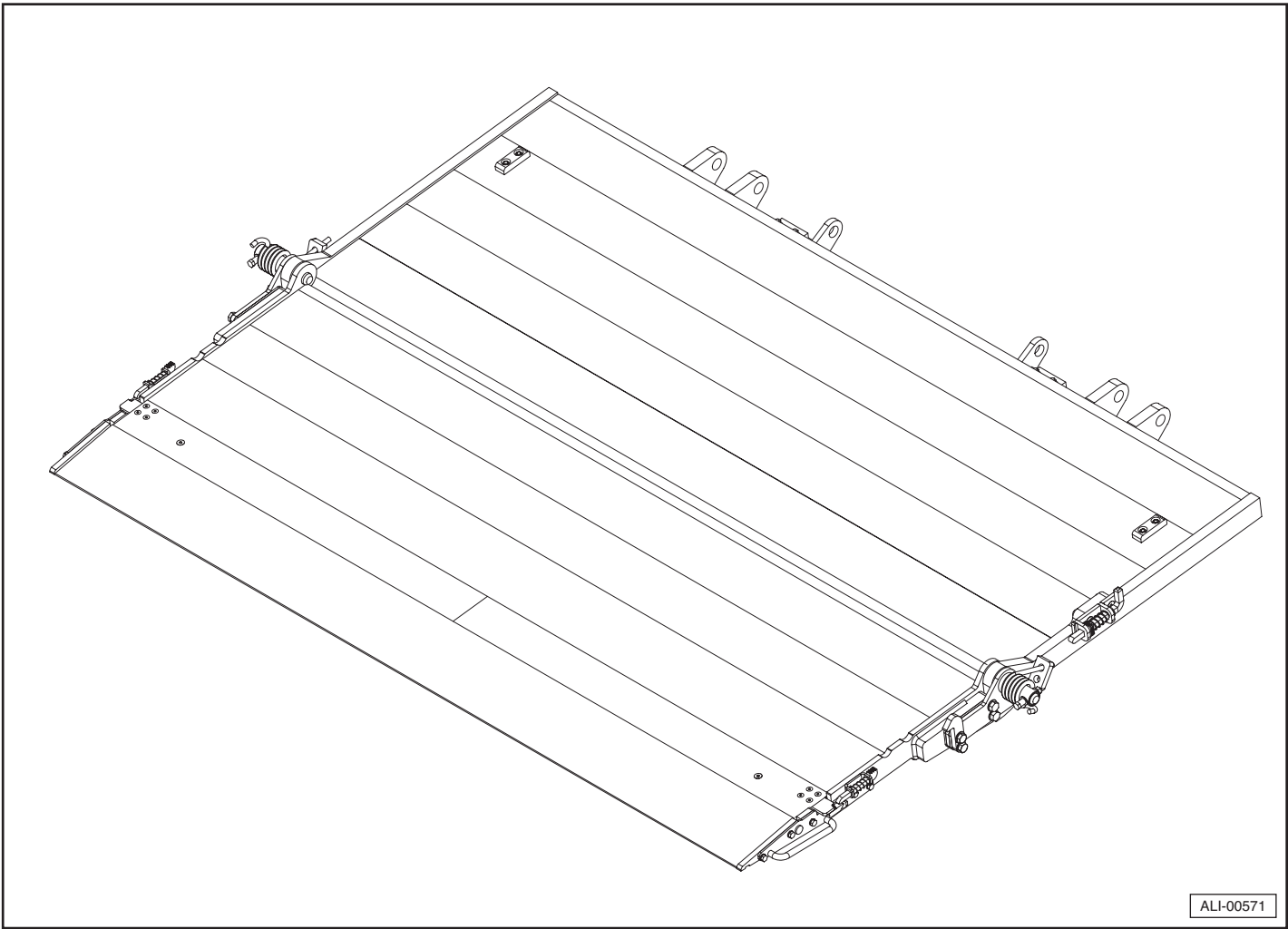


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Item	Part Number	Description	Qty.
1	ATU-557	LATCH HANDLE	1
2	ATU-556	LATCH PIN	1
3	A-140823* A-140340*	LIFTFRAME WELDMENT - EX (WITH BUSHINGS) LIFTFRAME WELDMENT - EX (NO BUSHINGS)	1
4	A-132039	3/8-24 X 3" GRADE 8 BOLT	2
5	2184	3/8-24 LOCKNUT	2
6	A-132026	COTTER PIN: 1/4" DIAM X 1.5" LONG, STAINLESS STEEL	4
7	ATU-103	PIN: CYLINDER LOWER (DIAM: 1", 4.625" LONG)	2
8	A-140173	PIN: CAM AND ROLLER TO LIFTFRAME (DIAM: 1", 10.435" LONG)	2
9	A-132026	COTTER PIN: 1/4" DIAM X 1.5" LONG, STAINLESS STEEL	4
10	862	5/16-18 LOCKNUT	2
11	869	5/16-18 X 2" HEX BOLT	2
12	ATU-426	COMPOSITE BUSHING, 1" ID X 1.25" OD X 1" LONG	2
13	A-140228	ROLLER - LONG (STEEL INCL. BUSHINGS)	2
14	ATU-429	COMPOSITE BUSHING, 1" ID X 1.25" OD X .75" LONG	2
15	A-132301	1/2-13 NYLOCK GR8 NUT ZP	4
16	ATU-259	1/2-13 X 2" H/H C/S GR. 8 ZP	4
17	ATU-5163	ICC BUMPER ATTACHMENT W/M DCT	1

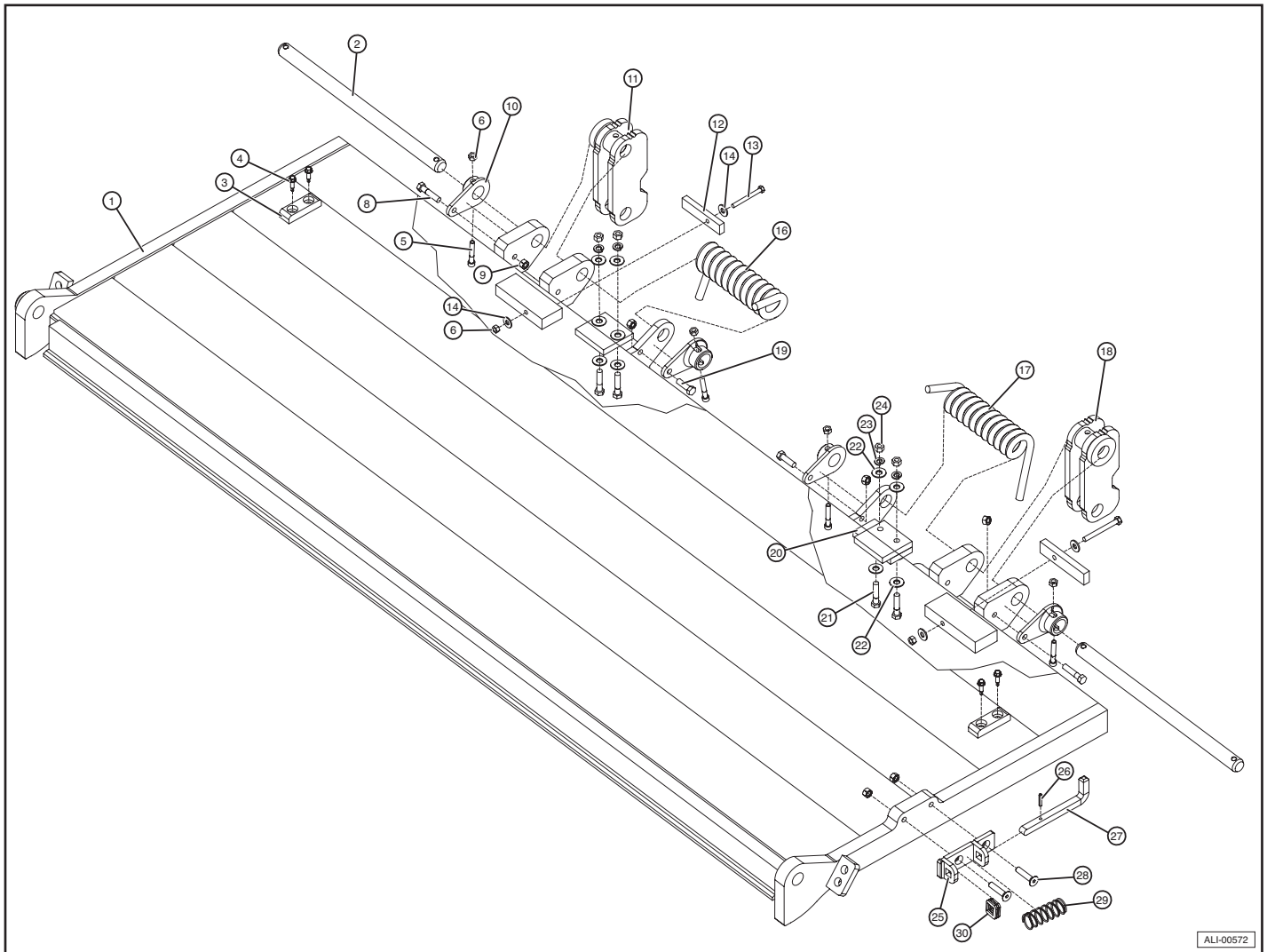
* Available in galvanized finish by adding a "-G" to the part number when ordering.

9. Platform Assemblies



Item	Part Number	Description	Qty.
1	A-140469	ALL ALUMINUM PLATFORM ASSY - 80X60 WEDGE LOW PROFILE, NO CARTSTOPS, O/B WHEEL (ALL ALUM: A-140356 & A-140467)	1
	A-140973	PLATFORM ASSY - 80X60 WEDGE LOW PROFILE, WITH CARTSTOPS, O/B WHEEL (ALL ALUM: A-140356 & A-140971)	

9.1 Main Platform (aluminum)

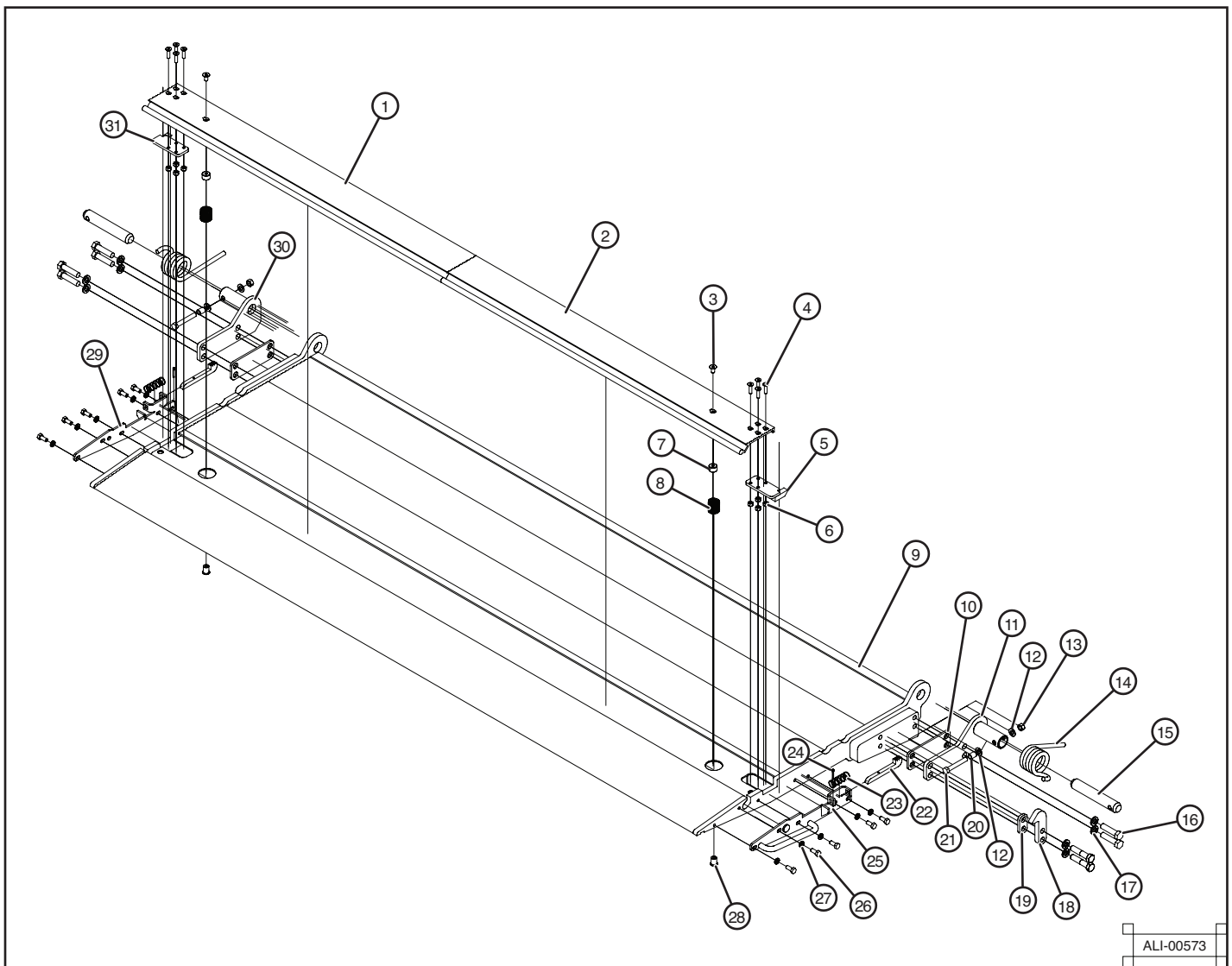


Item	Part Number	Description	Qty.
1	A-140356	MAIN PLATFORM WELDMENT, ALUM, LOW PROFILE	1
2	A-140881	PIN: ALUM PLATFORM TO LIFT FRAME (DIAM: 1", 17" LONG) (no center hole at cam) (used with lobe collars)	2
3	A-140090	BUMPER PAD	2
4	A-150159	1/4-14 X 1 SELF-TAPPING SCREW	4
5	A-132148	5/16-18 X 2" SOCKET CAP SCREW	2
6	862	5/16-18 LOCKNUT	2
7	—	—	—
8	A-132148	5/16-18 X 2" SOCKET CAP SCREW	4
9	2064	3/8-16 LOCKNUT	4
10	A-140839	LOBE COLLAR WELDMENT	4
11	A-140344*	CAM WELDMENT - STREETSIDE - EX	1
12	A-140302	CAM PLATE	2
13	A-132266	5/16-18 X 3" HEX BOLT GRADE 8	2
14	2110	5/16" FLAT WASHER	4
15	—	—	—
16	ATU-518-L	SPRING, STEEL OR ALUM MAIN PLATFORM, STREETSIDE	1
17	ATU-100-R	SPRING, ALUM MAIN PLATFORM, CURBSIDE	1
18	A-140345*	CAM WELDMENT - CURBSIDE - EX	1
19	ATU-247	3/8-16 X 1.25" CAPSCREW	2

Item	Part Number	Description	Qty.
20	A-140316	SPRING PLATE	2
21	2019	3/8-16 X 1.75" BOLT	6
22	2058	3/8" FLAT WASHER	8
23	2054	3/8" LOCKWASHER	4
24	P-162	3/6-16 HEX NUT	4
25	A-140292	LATCHPLATE WELDMENT	1
26	A-132283	3/16 X 1" STAINLESS ROLL PIN	1
27	ATU-926	LATCHPIN	1
28	A-132276	3/8-16 X 1.75" FLATHEAD BOLT	2
29	ATU-929	SPRING	1
30	ATU-975	SQUARE WASHER	1

* Available in galvanized finish by adding a "-G" to the part number when ordering.

10. Flip-Over Platform

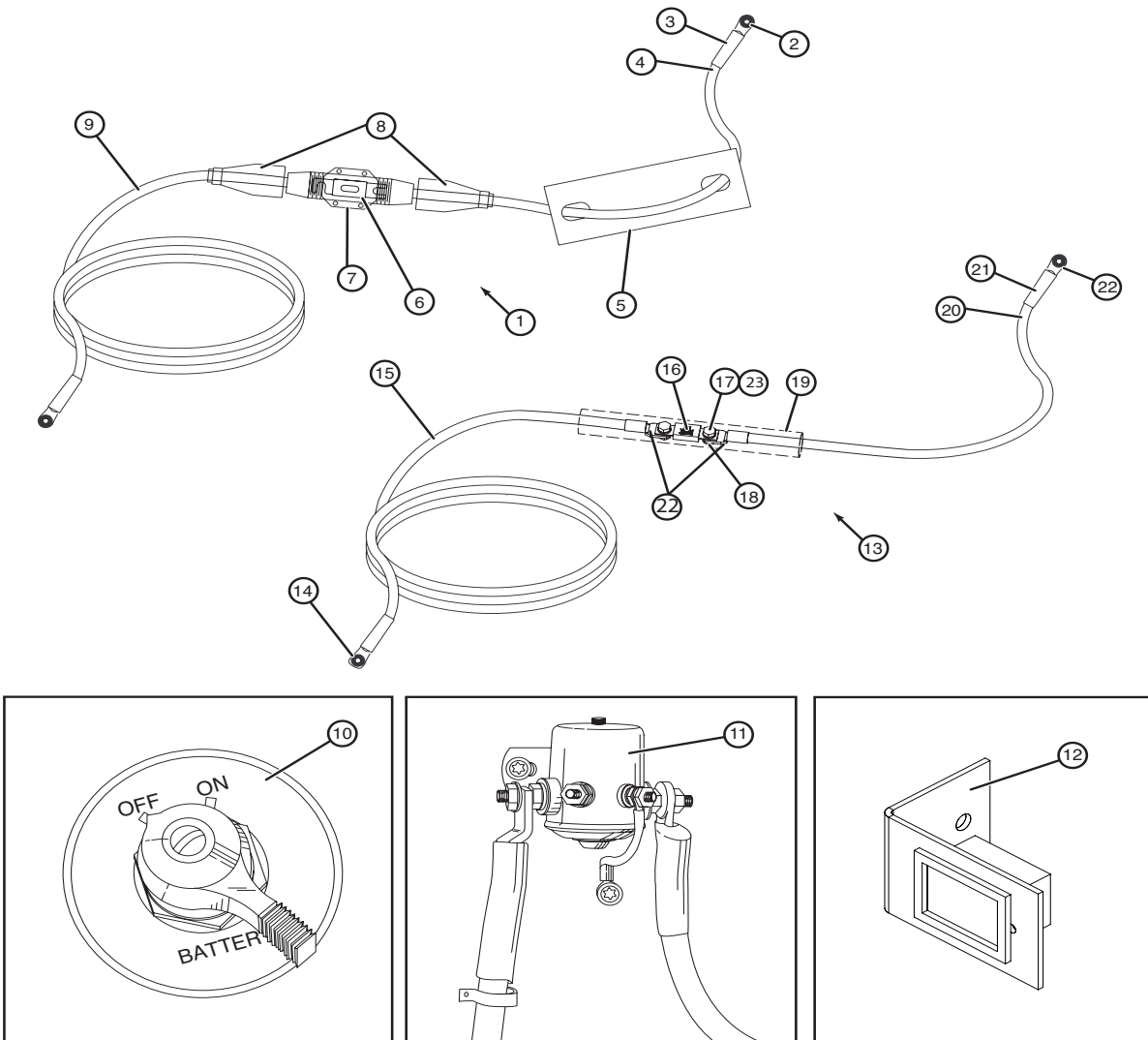


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Item	Part Number	Description	Qty.
—	A-141176	CARTSTOP PARTS GROUP GEN2 - RH	1
—	A-141177	CARTSTOP PARTS GROUP GEN2 - LH	
1	A-140975	CART STOP FLIPPER-LH GEN2 LATCH 80" P/F	1
2	A-140974	CART STOP FLIPPER-RH GEN2 LATCH 80" P/F	1
3	A-132350	5/16-18 x 3/4" FH S/C/S ZP	2
4	A-132259	1/4-20 X 1" F/H S/C/S ZP	8
5	A-140977	CARTSTOP LATCH WELDMENT - RH	1
6	ATU-359	1/4-20 TOP L/N GR. C ZP	8
7	A-150910	SPRING STEM	2
8	A-150911	SPRING, COMPRESSION - CART STOP FLIPPER	2
9	A-140971	MTU FLIP P/F W/M- LP NEW C/S	1
10	A-140239	HINGE SPACER - FOR RETRO FITMENT	2
11	A-140816	HINGE WELDMENT-CURB SIDE,LOW PROFILE	1
12	A-132251	UNHARDENED FLAT WASHER M10	4
13	2184	3/8-24 REVERSIBLE HEX L/N GR. 8 ZP	2
14	ATU-326-M	PLATFORM ASSIST SPRING	2
15	ATU-647	PIN: FLIP TO MAIN PLATFORM	2

Item	Part Number	Description	Qty.
16	ATU-259	1/2-13 X 2" H/H C/S GR. 8 ZP	6
17	1691	1/2" LOCK WASHER	8
18	A-140366	MTU PLATFORM LATCH-LOW PROFILE	1
19	A-140546	MTU PLATFORM LATCH SPACER	1
20	A-132150	SPACER .375" X .625" LG.	2
21	A-132146	3/8-24 X 2-1/2" H/H BOLT GR8 ZP	2
22	A-140976	CARTSTOP LATCH	2
23	A-150066	SPRING, COMPRESSION - LATCH HOOK FOR POP-UP C/S	2
24	A-150067	1/8 X 3/4 COTTER PIN	2
25	A-140987	RH SIDEBAR LATCH WELDMENT	1
26	5434	5/16-18 X .75" HEX BOLT	10
27	6611	5/16 SPLIT LOCKWASHER	10
28	A-132099	5/16 - 18 THREADED INSERT	2
29	A-140986	LH SIDEBAR LATCH WELDMENT	1
30	A-140815	HINGE WELDMENT-STREET SIDE,LOW PROFILE	1
31	A-140978	CARTSTOP LATCH WELDMENT - LH	1

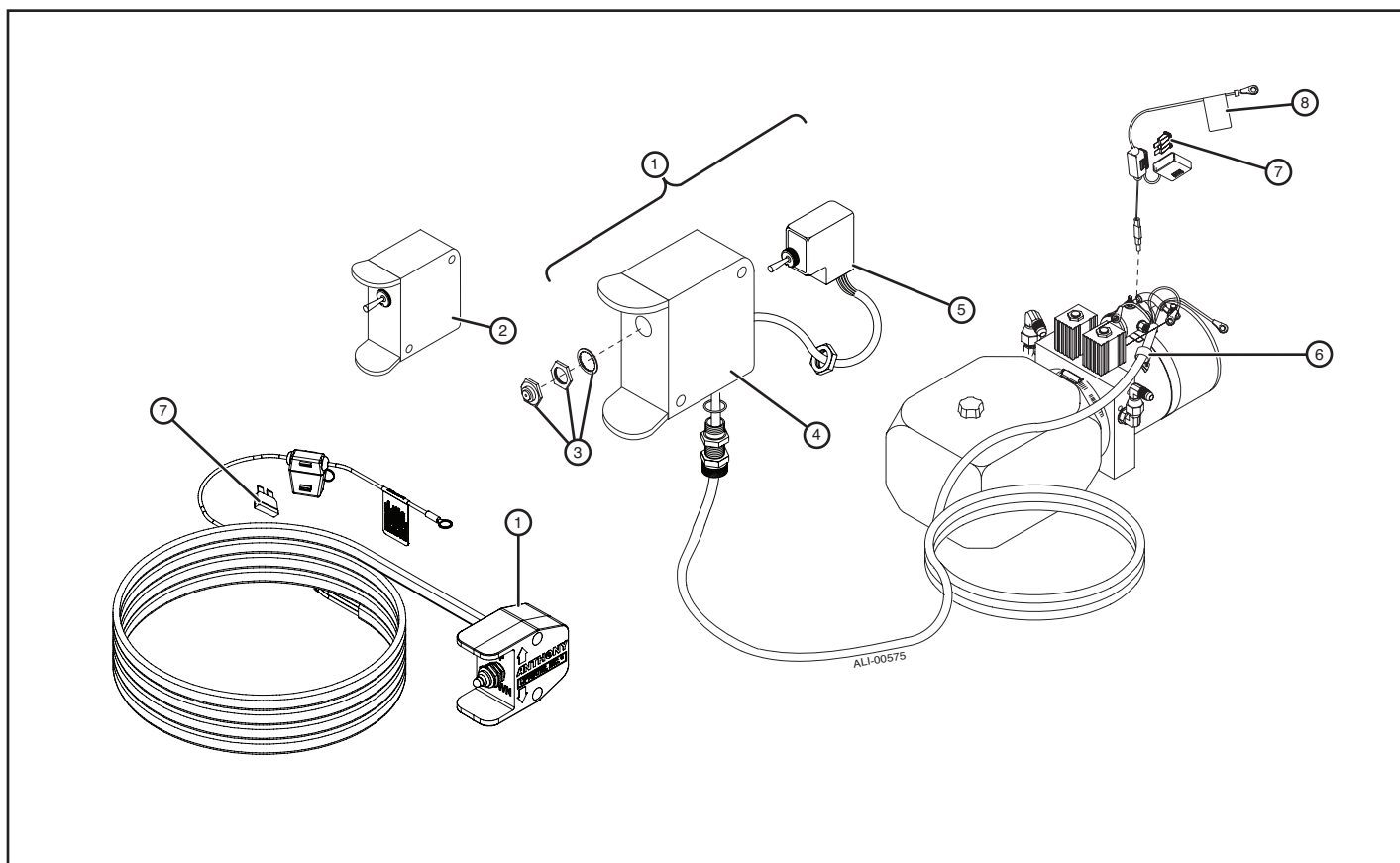
11. Fuse Assembly and Miscellaneous Accessories



200 AMP OPTION			
Item	Part Number	Description	Qty.
1	A-133105	POWER CABLE WITH 200A FUSE ASSY	1
2	A-133003	3/8" ANTI-ROTATIONAL LUG	2
3	A-150990	HEAT SHRINK TUBING	2
4	A-150608	#2 RED POWER CABLE (30" AND 30' PIECES)	1
5	A-131036	WIRE DECAL: FUSE REPLACEMENT INSTRUCTIONS	1
6	A-133063	FUSE, 200A	1
7	A-133062	FUSE HOLDER, IN-LINE	1
8	A-133048	BOOT, WEATHER SEAL, RUBBER	2
9	A-150608	#2 RED POWER CABLE (30" AND 30' PIECES)	
10	A-133038 A-150031	CUT-OFF SWITCH KIT-MANUALLY OPERATING SWITCH, CUT-OFF - MANUALLY OPERATING	1
11	A-133036 A-150263	SWITCH, CUT-OFF - SOLENOID KIT CUT-OFF SOLENOID	1
12	A-133354	CYCLE COUNTER KIT	1

175 AMP OPTION			
Item	Part Number	Description	Qty.
13	A-133604	36' 2/0 POWER CABLE W/FUSE ASSY. 175 AMP	1
14	A-133003	3/8" ANTI-ROTATIONAL LUG	1
15	A-150608-010	2/0 CABLE	1
16	A-133603	HI-AMP FUSE, 175A	1
17	5435	5/16-18 X .75" HEX BOLT	2
18	4614	5/16-18 FINISHED H/N ZP	2
19	A-133606	HEAT SHRINK (8")	1
20	A-150608-420	2/0 CABLE	1
21	A-150990	HEAT SHRINK (2.5")	2
22	A-133605	5/16" ANTI-ROTATIONAL LUG - #4 CABLE	3
23	6611	5/16 SPLIT LOCKWASHER	2

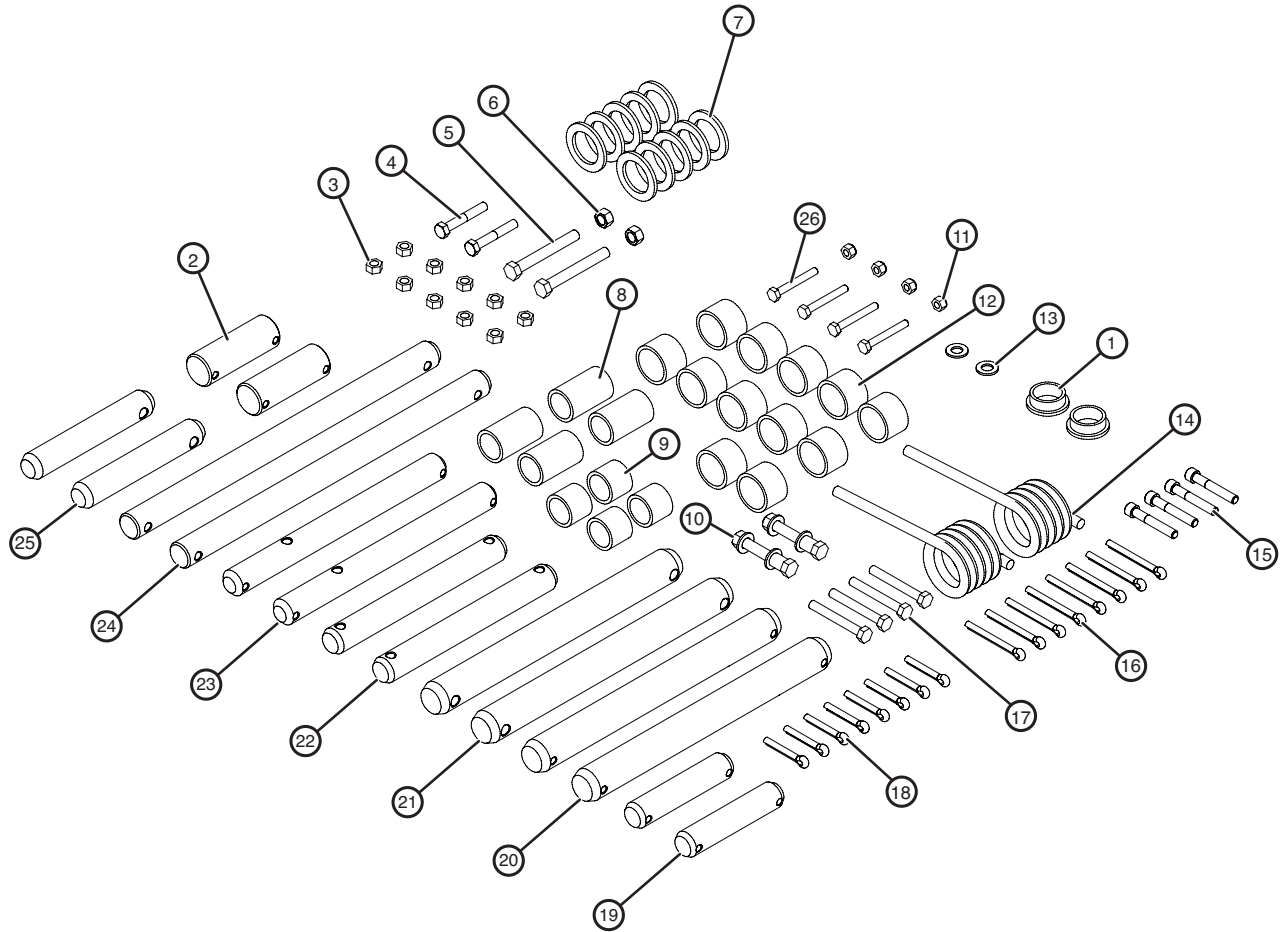
12. Control Switch Assembly



Item	Part Number	Description	Qty.
1	ATU-133553	SWITCH ASSY: POWER DOWN SWITCH ASSY W/CABLE, PLASTIC BOX (2.5 X 3 X 1) (PRIOR TO MAY 2019)	1
	A-133619	GRAVITY DOWN SWITCH ASSY W/CABLE (AFTER MAY 2019, NO SERVIABLE PARTS)	
	A-133620	POWER DOWN SWITCH ASSY W/CABLE (AFTER MAY 2019, NO SERVIABLE PARTS)	
2	ATU-1221	SWITCH: PLASTIC BOX AND SWITCH, NO CABLE	1
3	A-133144	SWITCH ONLY: RAISE/LOWER TOGGLE (POTTED ASSY)	1
4	ATU-1215	PLASTIC SWITCH BOX	1
5	A-133144	SWITCH ONLY: RAISE/LOWER TOGGLE (POTTED ASSY)	1
6	A-150472	CABLE CLAMP, 1/2" (STEEL/VINYL COATED)	1
7	A-150438	FUSE, 10A	1
8	A-131001	DECAL: 10A FUSE & HOLDER	1

[illegible]

13. Pin and Bushing Kits



ALI-00576

Item	Part Number	Description	Qty.
1	A-176844	FLANGED BUSHING-CART RETENTION	2
2	A-140046	PIN, RAD ARM TO FRAME - WIDE ARM	2
3	862	5/16-18 LOCKNUT	10
4	869	5/8-18 x 2" H/H C/S GR.8 ZP	2
5	A-132039	3/8-24 X 3" H/H BOLT GR. 8 ZP	2
6	2184	3/8-24 REVERSIBLE HEX L/N GR. 8 ZP	2
7	ATU-134	1-7/8" OD X 1-17/64" ID X 10 GA BUSHING	10
8	ATU-427	SERVICE FREE BUSHING 1.25 OD X 1.00 ID X 2.00	4
9	ATU-426	SERVICE FREE BUSHING 1.25 OD X 1.00 ID X 1.00	4
10	ATU-944	ATU PLATFORM FLIP SPRING AND RETAINER KIT	2
11	ATU-359	1/4-20 TOP L/N GR. C ZP	4
12	ATU-428	SERVICE FREE BUSHING 1.50 OD X 1.25 ID X 1.00	12
13	A-132251	UNHARDENED FLAT WASHER M10	2
14	ATU-326-M	PLATFORM ASSIST SPRING	2
15	A-132148	5/16-18 X 2" S/H C/S, ALLOY, GR8 ZP	4
16	A-132027	1/4" X 2-1/4" LG COTTER PIN, 18-8 SS	8
17	A-132132	5/16-18 X 2-1/2" H/H C/S, GR.8	4
18	A-132026	1/4" X 1-1/2" LG COTTER PIN, 18-8 SS	8

Item	Part Number	Description	Qty.
19	ATU-103	PIN, LIFTFRAME CYLINDER MOUNT	2
20	A-140176	PIVOT PIN-ROCKER/LIFTFRAME	2
21	A-140175	ROCKER-ADAPTER FRAME PIN	2
22	A-140864	UPPER CYLINDER PIN (GEN3 ROCKERS)	2
23	A-140173	PIN, CAM TO LIFTFRAME	2
24	A-140884	PLATFORM PIN - MTU3/4/EX STEEL P/F	2
25	ATU-647	PIN: FLIP TO MAIN PLATFORM	2
26	ATU-358	1/4"-20 x 2.0" H/C/S ZP	4

14. Safety and Instructional Decals

SAFETY INSTRUCTIONS



To prevent personal injury from not being aware of safety recommendations, make sure all decals are attached to the liftgate and/or truck and are legible at all times!

Item	Part Number	Description	Qty.
1	ATU-147	DECAL: 3000LB MAXIMUM CAPACITY	1
2	A-171433	DECAL: 4000LB	1
3	A-131001	DECAL: 10A FUSE & HOLDER	1
4	A-131017	DECAL: NOTE - DISENGAGE LATCH	1
5	A-131028	DECAL: WELD WARNING	1
6	A-131034	DECAL: ANTHONY LABEL	1
7	A-131070	DECAL: LIFTGATE SECURITY	1
8	A-131071	DECAL: OPERATING INSTRUCTIONS FOR CONTROL MODULE	1
9	A-131072	LVC "QUICK START" SHEET	1
10	A-131075	DECAL: MTU HYDRAULIC OIL LEVEL	1
11	A-131106	DECAL: WARNING - REMOVE BOLTS AFTER INSTALLATION	2
12	A-150601	DECAL: MADE IN THE USA	
13	ATU-141	DECAL: AFTER USING LIFTGATE	1
14	ATU-146	DECAL: STAND CLEAR	2
15	A-131045	DECAL: OPERATING INSTRUCTIONS	1
16	ATU-424	DECAL: WARNING - RESET CIRCUIT BREAKER	1
17	A-131115	DECAL: WARNING - PERSONAL INJURY	1
18	A-150238	DECAL: NOTICE - PROTECTED WITH ELECTRICAL OVERLOAD CIRCUIT BREAKER	1
19	ATU-143	DECAL: SECURE LATCH WHILE IN TRANSIT	1
20	A-131036	WIRE DECAL: WARNING - FUSE REPLACEMENT INSTRUCTIONS (200 AMP FUSE ONLY)	1

Decal Kits

Part Number	Description	Qty.
A-140120	DECAL/INSTALL KIT (3000LB CAPACITY)	1
A-140121	DECAL/INSTALL KIT (4000LB CAPACITY)	1
L-401	MTU-GLR INSTALLATION, MAINTENANCE, AND OPERATION MANUALS	1
A-140705	DECAL KIT ONLY (3000LB CAPACITY)	1
A-140706	DECAL KIT ONLY (4000LB CAPACITY)	1

3000 lb.
MAXIMUM
CAPACITY

4000 lb.
MAXIMUM
CAPACITY

A-171433

10 AMP FUSE & HOLDER Protects against dead shorts in this "control circuit". If blown, pull "fuse holder cap", replace fuse, replace "cap". If fuse continues to blow, contact a qualified mechanic. "control circuit" may be damaged.	10 AMP FUSE & HOLDER Protects against dead shorts in this "load circuit". If blown, pull "fuse holder cap", replace fuse, replace "cap". If fuse continues to blow, contact a qualified mechanic. "control circuit" may be damaged.
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Note:

Disengage "latch" before attempting to use liftgate.

Engage "latch" after using liftgate.

A-131017

WELD WARNING!

For all Anthony "Service-Free" Liftgates

When performing welding during installation, service, or repair on Anthony "SF" Service-Free liftgates, the actual part being welded must be grounded. Failure to follow this instruction can cause the welding ground to travel through the high pressure hydraulic hose as the source of ground, thus causing damage to the hose from the powerful electric current. The resulting damage to the hose may or may not be visible and can cause unexpected catastrophic failure of the lift. If you have any questions, please contact Anthony Liftgates, Inc., Pontiac, Illinois, USA (800-422-0003).

A-131028

ANTHONY

LIFTGATES, INC.®

⚠ CAUTION SECURE LATCH WHILE IN TRANSIT.

A-131034

**Liftgate Security code instructions necessary to
operate Liftgate Control Module.**
(To be placed in Cab of Truck)

Press A,B,A,B to enable liftgate control.

If an incorrect code is entered, press A and B simultaneously to clear module. Then press A,B,A,B again to enable liftgate control.

To disable liftgate control press A and B simultaneously; or Control will shut off automatically after a preset period of non-activity.

For technical assistance please call 1 (800) 482-0003

A-131070

Operation Instructions for Lifegate Control Module

(To be placed in the Lifegate control Control Module)

1. Enable the Lifegate Control Module by entering proper security code Green "READY" LED should light indicating module is enabled.
2. Operate the Lifegate by pressing the "UP" or "DOWN" keys as necessary.
3. Module will turn off after a predetermined period of inactivity. Enter security code to enable again.
4. If voltage on battering is running low, the module may go into a "Low Battery" condition.
 - A. If so the "LOW BAT." LED will begin flashing.
 - B. Lifegate can be operating for only two more complete cycles.
 - C. The sound will become louder raising or lowering.
 - D. After the two lifts, the lifegate can be raised only, not lowered until the voltage is correct.
5. If Low Battery condition exists start vehicle to begin charging batteries. When Lifegate control module senses 14 volts, the "Low Battery" condition will cease and normal control may resume.

For technical assistance
please call (1-800) 462-8983

A-131071

Anthony Liftgate Low Voltage Control (LVC) w/cycle counter

Important: This information is to be delivered to truck owner/operators.

Quick Start:

1. Enable the module by entering sequence code: Press A, S, A, B keys.
2. Green "READY" LED should light indicating that module is enabled. Note that when the "A" and "B" keys were pressed the red "POWER ON" LED will light.
3. Operate the liftgate by pressing the "UP" or "DOWN" keys as necessary. If equipped, the optional "bushnell remote control" will operate and also be used.
4. Module will allow only 90 seconds of non-use. Enter sequence code again enable.

5. If the battery is running low, the module may go into a "Low Battery" condition.

6. The "LOW BATT" LED will light.

7. Liftgate can be operated for only two more complete cycles.

8. Liftgate will emit sound rising in pitch.

9. After the two lifts, the liftgate can be "reset" only, and cannot be "bypassed" until the low voltage condition is corrected.

See below for Wiring Legend

Wire Connections for the Low Voltage Control (LVC)

Wire Color	"Ready" Down Illgate	"Power" Down Illgate
White	White or Green	White or Green
Red	Red or Blue	Red or Blue
Black	Positive (+) to BATT	Positive (+) to BATT
Brown	Ground (-) to ground	Ground (-) to ground
Yellow	Yellow (-) to ground	Yellow (-) to ground
Green	Green (-) to ground	Green (-) to ground

When these lifts are used a current is consumed. If the liftgate has a switch with 100 amp rated, "A" "B" and "R" are a current consumed circuit.

Notes:

1. When connecting remote control circuit to liftgate use an 18" twisted pair.
2. Connect the incoming wire (black, or positive (+) terminal, to one wire pair in the "bushnell" wire from liftgate.
3. The other leg of remote control circuit is connected to the other pair in the "bushnell" wire from liftgate.

A 20000 cycle counter is used.

10 — A-131075

Procedure for Checking Hydraulic oil Level on all MTU Tuckunder Liftgates

Hydraulic oil level should be 2" from the top of the reservoir with the platform unfolded and in the fully raised position.

A-131075

11 — A-131106

WARNING

MUST REMOVE AND DISCARD INSTALLATION BOLTS ON "ROCKER ASSEMBLIES" BEFORE OPERATING LIFTGATE

A-131106

12 — A-150601



A-150601

13 — ATU-141

AFTER USING LIFTGATE, SECURE LATCH AND, IF EQUIPPED WITH POWER CUT OFF SWITCH, TURN OFF POWER TO PREVENT UNAUTHORIZED USE OF LIFTGATE.

ATU-141

14 — ATU-146

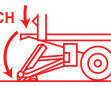
STAND CLEAR

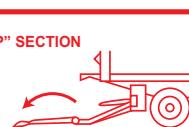
DO NOT RIDE ON LIFT

ATU-146

15 — A-131045

ANTHONY "MTU-GLR" SERIES LIFTGATE OPERATING INSTRUCTIONS

- 1 UNLATCH LIFTGATE BY TWISTING, THEN SLIDING "LATCH PIN" IN DIRECTION OF ARROW. 
- 2 LOWER PLATFORM BY PUSHING CONTROL SWITCH TO "DOWN" POSITION. 

PLATFORM WILL BEGIN TO OPEN AS IT LOWERS
- 3 UNFOLD PLATFORM BY PULLING PLATFORM HANDLE OUTWARD AND TOWARD GROUND. 
- 4 UNFOLD "FLIP" SECTION 
- 5 TO RAISE THE PLATFORM: PRESS THE "UP" BUTTON, PLATFORM WILL TILT UP, THEN BEGIN TO RAISE. -OR- TO LOWER THE PLATFORM: PRESS THE "DOWN" BUTTON, PLATFORM LOWERS UNTIL IT CONTACTS THE GROUND, THEN TILTS DOWNWARDS TOWARDS GROUND. 

NOTE: PLATFORM RIDES THRU THE LIFTING AND LOWERING CYCLE. AS THE ROLLERS CONTACT THE GROUND WHEN LOWERING, THE PLATFORM BEGINS TILTING, CONTINUE UNTIL THE RAMP EDGE TOUCHES THE GROUND. LOAD/UNLOAD THE PLATFORM.
- 6 TO PLACE LIFTGATE BACK TO STORED POSITION, LOWER PLATFORM TO GROUND AND REVERSE STEPS 1, 2, 3, & 4.

ANTHONY LIFTGATES, INC
1037 WEST HOWARD ST. PONTIAC, IL 61764
A-131045

16 — ATU-424

WARNING

To avoid injury, be certain liftgate area is clear before resetting circuit breaker. Circuit breaker must cool before resetting. Reset by pressing lever (or button). If circuit breaker continues to trip, contact a qualified mechanic.

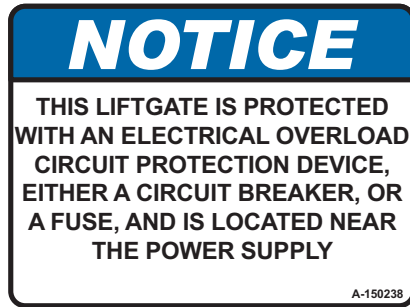
ATU-424

17 — A-131115

ANTHONY LIFTGATES, INC. WARNING	
PERSONAL INJURY HAZARD	
	Operation may require user to stand on platform. To prevent injury or death of operators or bystanders:
	• Read and follow operator/owner manual for safety, operation, inspection, and maintenance instructions.
	• Do not place unstable or unsafe loads on platform.
	• Do not allow loads to extend over edge of platform.
	• Do not exceed capacity or use liftgate for anything other than intended purpose.
	• Be aware of surroundings when operating liftgate.
	• Do not allow body parts to contact moving components.
	• Ensure footing is stable and stand away from edge before raising or lowering platform.
	• Owner/operators must properly maintain liftgate.

A-131115

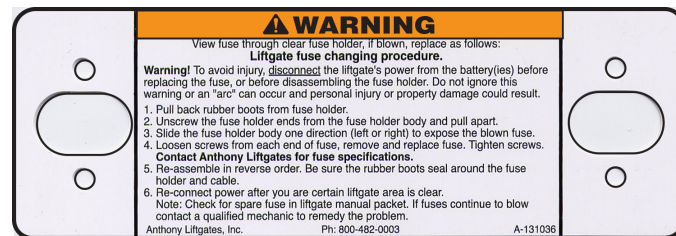
18 — A-150238



19 — ATU-143



20 — A-131036 (200 AMP FUSE ONLY)



A-140120 — DECAL/INSTALL KIT (3000LB CAPACITY)

Part Number	Description	Qty.
A-133063	FUSE, 200A (not shown)	1
L-401	MTU-GLR INSTALLATION, OPERATION, AND MAINTENANCE MANUALS (not shown)	1
ATU-147	DECAL: 3000LB MAXIMUM CAPACITY	1
A-131017	DECAL: NOTE - DISENGAGE LATCH	1
A-131028	DECAL: WELD WARNING	1
ATU-141	DECAL: AFTER USING LIFTGATE	2
ATU-146	DECAL: STAND CLEAR	2
A-131045	DECAL: OPERATING INSTRUCTIONS	1
Q-003013	DECAL: URGENT WARNING	1
A-131115	DECAL: WARNING - PERSONAL INJURY	2
A-150238	DECAL: NOTICE - PROTECTED WITH ELECTRICAL OVERLOAD CIRCUIT BREAKER	1
ATU-071	LEVELING SHIM (not shown)	6

A-140705 — DECAL KIT ONLY (3000LB CAPACITY)

Part Number	Description	Qty.
ATU-147	DECAL: 3000LB MAXIMUM CAPACITY	1
A-131017	DECAL: NOTE - DISENGAGE LATCH	1
A-131028	DECAL: WELD WARNING	1
A-131034	DECAL: ANTHONY LABEL	1
A-131075	DECAL: MTU HYDRAULIC OIL LEVEL	1
A-150601	DECAL: MADE IN THE USA	1
ATU-141	DECAL: AFTER USING LIFTGATE	2
A-131045	DECAL: OPERATING INSTRUCTIONS	1
A-131115	DECAL: WARNING - PERSONAL INJURY	1
A-150238	DECAL: NOTICE - PROTECTED WITH ELECTRICAL OVERLOAD CIRCUIT BREAKER	1

A-140121 — DECAL/INSTALL KIT (4000LB CAPACITY)

Part Number	Description	Qty.
A-133063	FUSE, 200A (not shown)	1
L-401	MTU-GLR INSTALLATION AND OPERATION MANUAL (not shown)	1
A-171433	DECAL: 4000LB MAXIMUM CAPACITY	1
A-131017	DECAL: NOTE - DISENGAGE LATCH	1
A-131028	DECAL: WELD WARNING	1
ATU-141	DECAL: AFTER USING LIFTGATE	2
ATU-146	DECAL: STAND CLEAR	2
A-131045	DECAL: OPERATING INSTRUCTIONS	1
Q-003013	DECAL: URGENT WARNING	1
A-131115	DECAL: WARNING - PERSONAL INJURY	2
A-150238	DECAL: NOTICE - PROTECTED WITH ELECTRICAL OVERLOAD CIRCUIT BREAKER	1
ATU-071	LEVELING SHIM (not shown)	6

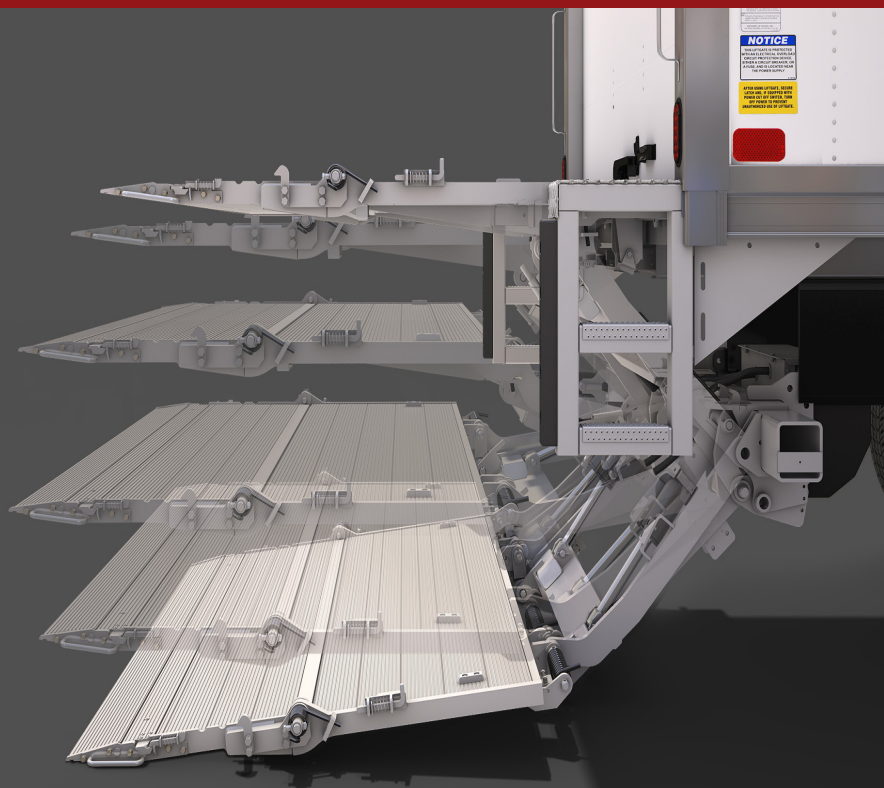
A-140706 — DECAL KIT ONLY (4000LB CAPACITY)

Part Number	Description	Qty.
A-171433	DECAL: 4000LB MAXIMUM CAPACITY	1
A-131017	DECAL: NOTE - DISENGAGE LATCH	1
A-131028	DECAL: WELD WARNING	1
A-131034	DECAL: ANTHONY LABEL	1
A-131075	DECAL: MTU HYDRAULIC OIL LEVEL	1
A-150601	DECAL: MADE IN THE USA	1
ATU-141	DECAL: AFTER USING LIFTGATE	2
A-131045	DECAL: OPERATING INSTRUCTIONS	1
A-131115	DECAL: WARNING, PERSONAL INJURY	2
A-150238	DECAL: NOTICE, PROTECTED WITH ELECTRICAL OVERLOAD CIRCUIT BREAKER	1

[illegible]

Gentle Level Ride (GLR)

Our platform maintains a smooth, level up and down operation until the platform reaches the ground and then tilts gently forward. The platform then re-levels itself at the start of the lifting cycle.



THE ORIGINAL NAME IN LIFTGATES - SINCE 1941

ANTHONY
LIFTGATES, INC.®

MTU-GLR

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