

ANTHONY
LIFTGATES, INC.®

MTU-GLR

MTU-GLR-3
MTU-GLR-4

PARTS BOOK



QUALITY, RELIABILITY, CUSTOMER SERVICE

MADE IN THE USA 

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1. General Information Section MTU-GLR 3-4 Only

1.1 Introduction

Congratulations on selecting an Anthony Liftgates TuckUnder™ liftgate.

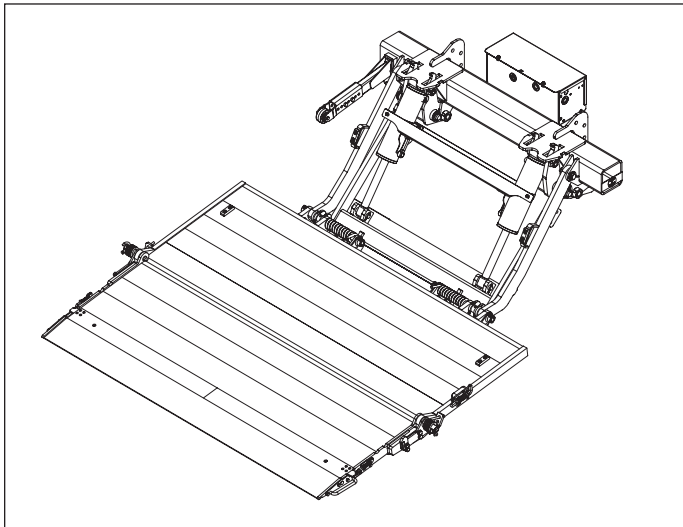
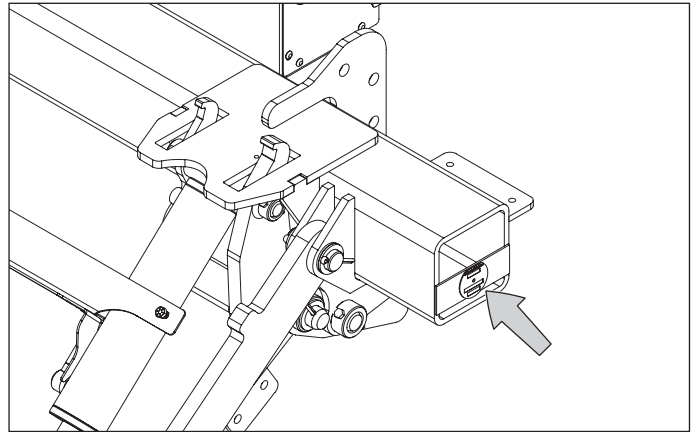
All Anthony tuckunder model liftgates are factory assembled, energized, and tested to ensure the highest quality performance standards. MTU-GLR 3-4 models and MTU-GLR 3-4 liftgates ship completely assembled for fast, clean, and easy installation.

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 3-4 TuckUnder™ liftgates.

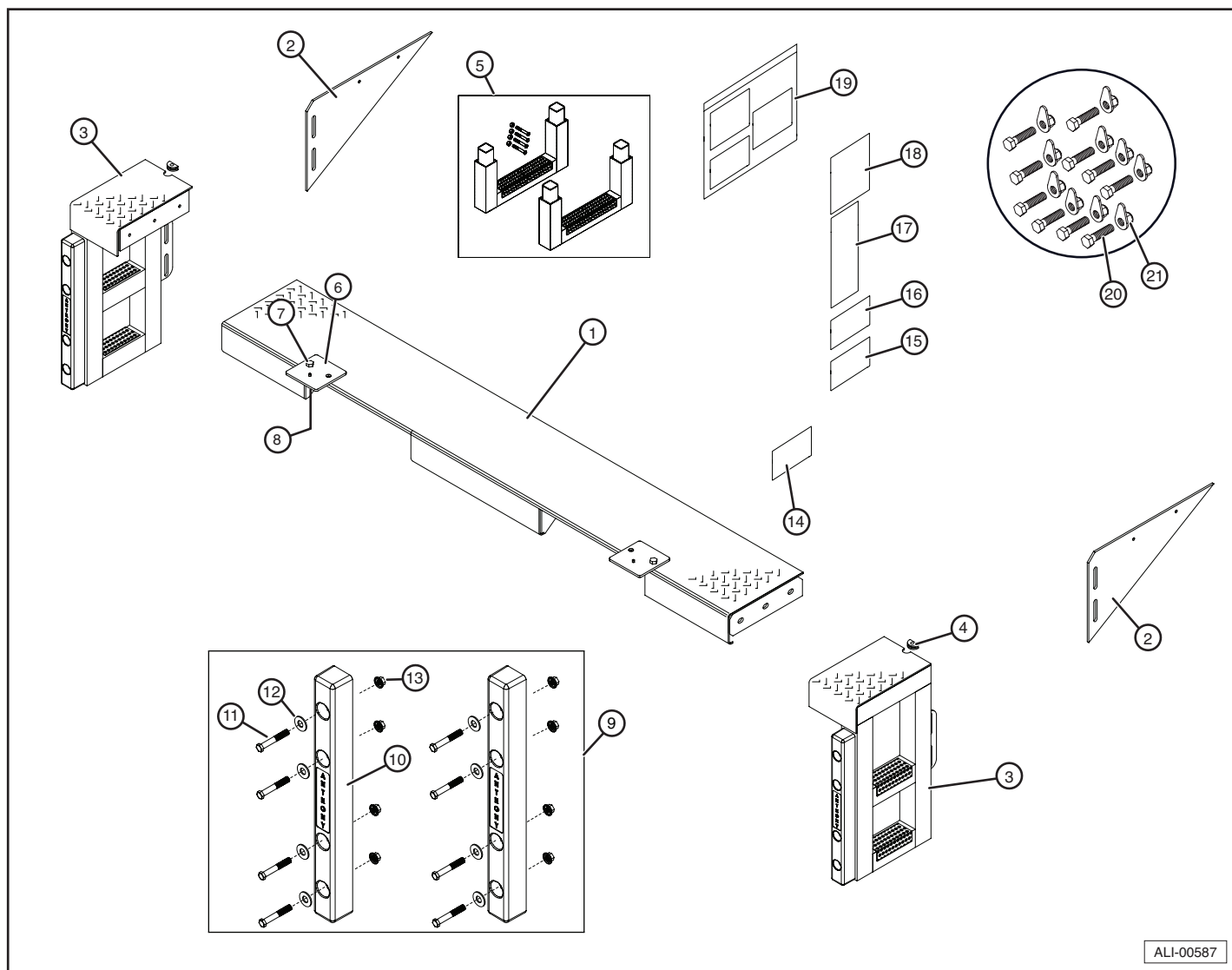
Serial Number

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



ALI-00587

Item	Part Number	Description	Qty.
1	A-140028*	FLOOR EXTENSION WELDMENT - 96" (3/16" DECK)	1
	A-140247*	FLOOR EXTENSION WELDMENT - 96" (1/4" DECK)	
	A-140805*	FLOOR EXTENSION WELDMENT - 96" (3/8" DECK)	
	A-140710*	FLOOR EXTENSION WELDMENT - 96" X 18" DEEP (1/4" DECK)	
	A-140056	FLOOR EXTENSION WELDMENT - 102" (3/16" DECK)	
	A-140246*	FLOOR EXTENSION WELDMENT - 102" (1/4" DECK)	
	A-140806*	FLOOR EXTENSION WELDMENT - 102" (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
	ATU-1442	BOLT-ON GUSSET KIT	1

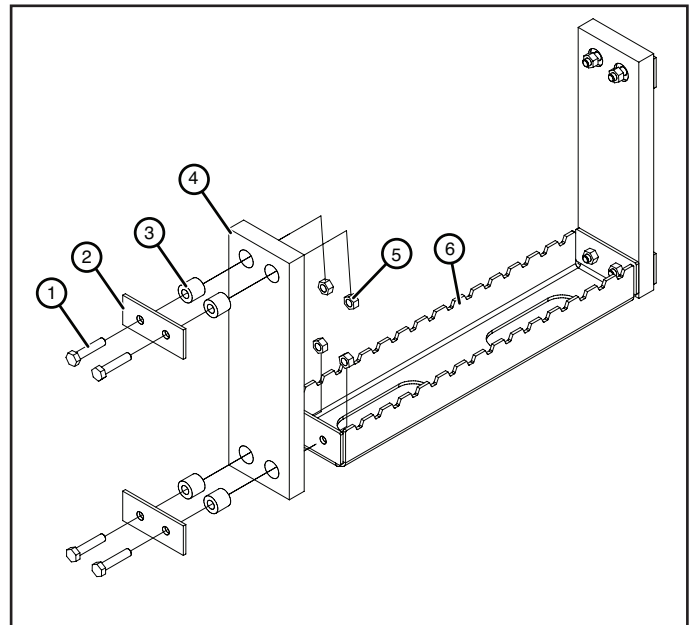
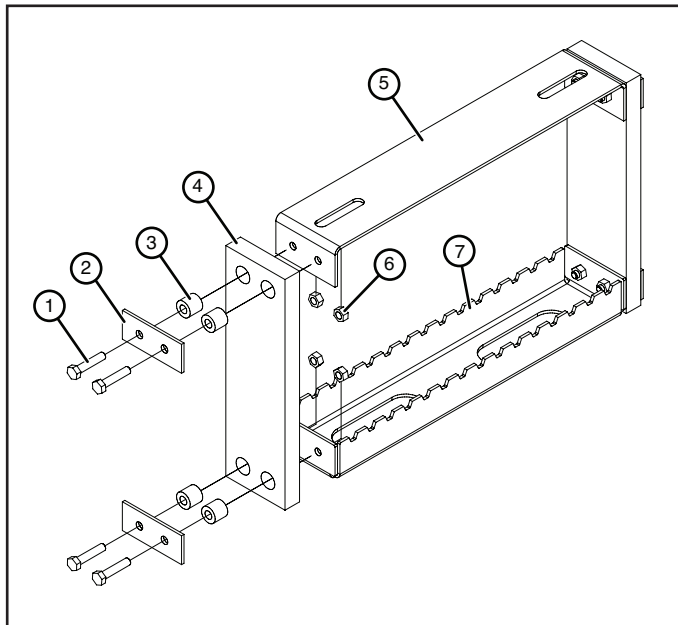
Item	Part Number	Description	Qty.
3	A-140772*	DOCK BUMPER SET WITH PADS AND GUSSETS (96" ONLY)	1
	A-140547*	XD DOCK BUMPER SET 2 STEP+FLEX W/UMHW PADS AND GUSSETS, 12" (96")	
	A-140548*	XD DOCK BUMPER SET W/UMHW PADS AND GUSSETS, 12" (96")	
	A-140793	DOCK BUMPER SET WITH EXTENSION PRE-WELDED, WITH PADS AND GUSSETS	
	A-140920*	DOCK BUMPER SET WITH PADS AND GUSSETS (96" ONLY)	
	ATU-867*	DOCK BUMPER SET WITH 20" PADS AND GUSSETS (102" ONLY)	
	A-140898*	XD DOCK BUMPER SET WITH UHMW PADS AND GUSSETS (102" ONLY)	
	A-140555*	XD DOCK BUMPER SET 2 STEP+FLEX W/UMHW PADS AND GUSSETS, 12" (102")	
	A-140112*	DOCK BUMPER SET WITH GUSSETS, NO PADS (102" ONLY)	
	A-140899*	DOCK BUMPER SET WITH LIGHTS, PADS, AND GUSSETS (102" ONLY)	
	A-140922*	DOCK BUMPER SET FOR LIGHTS	
	A-140743*	DOCK BUMPER SET WITH EXTENSION PRE-WELDED, WITH PADS AND GUSSETS	
	A-140913*	XD DOCK BUMPER SET WITH EXTENSION PRE-WELDED, WITH PAD AND GUSSETS	
	A-140762*	DOCK BUMPER SET 2 STEP+FLEX WITH PADS AND GUSSETS, 12" (102")	
	A-140939*	DOCK BUMPER 1-STEP WITH FLEXI-STEP SET WITH PADS AND GUSSETS (102" ONLY) 12" DEEP	
	A-141067*	DOCK BUMPER SET W/ PADS, GUSSETS + FLEX (102" ONLY) 18" DEEP	
	ATU-866*	DOCK BUMPER WELDMENT COMPLETE ASSEMBLY WITH 20" PAD (CURBSIDE, 102" ONLY)	1
	A-140062*	DOCK BUMPER WELDMENT-CURBSIDE (102" ONLY)	
	ATU-865*	DOCK BUMPER WELDMENT COMPLETE ASSEMBLY WITH 20" PAD (STREETSIDE, 102" ONLY)	1
	A-140063*	DOCK BUMPER WELDMENT-STREETSIDE (102" ONLY)	
4	A-140116	GROMMET, RUBBER	2
5	A-140791	STEP EXTENSION KIT (96" ONLY)	1
	A-140119*	STEP EXTENSION KIT (102" ONLY) 12" DEEP	
	A-140916*	XD STEP EXTENSION KIT (102" ONLY) 12" DEEP	
6	A-140959	MTU 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-1555	XD DOCK BUMPER PAD KIT (20" UHMW)	1
	ATU-1119	DOCK BUMPER PAD KIT (20")	
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	
15	ATU-141	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	
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 "14. Safety and Instructional Decals" on page 27 for a complete list and picture of the decals.

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

* Available in stainless steel finish by adding a "-SS" to the part number when ordering.

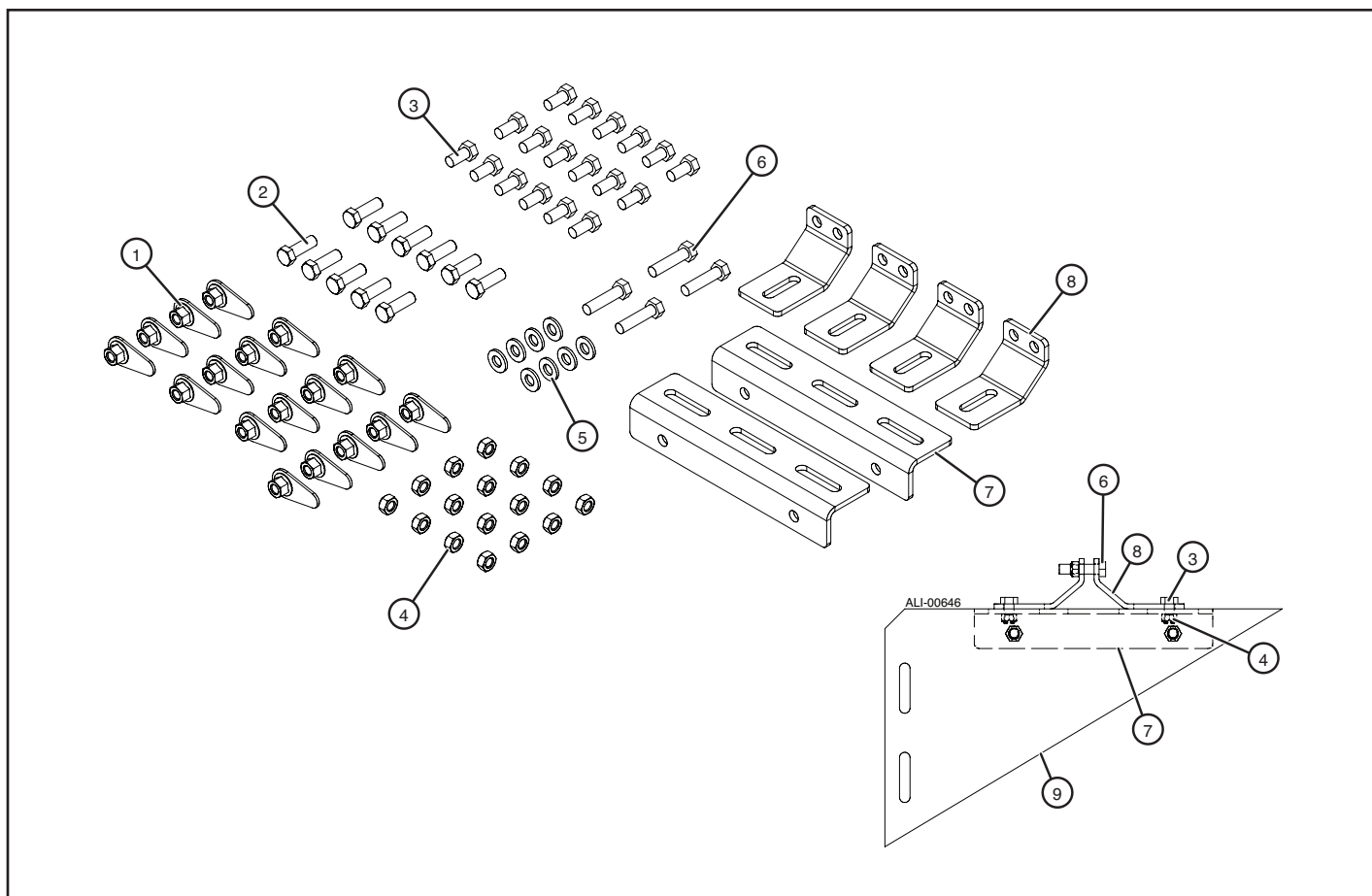
2.1 Flex Step Kits



Item	Part Number	Description	Qty.
A	A-140994*	FLEX STEP REPLACEMENT KIT – 12"	
B	A-141050*	FLEX STEP RETRO KIT – 12"	
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-140998*	FLEX STEP FORMED STEP - 12"	1
7	A-140996	FLEX STEP MOUNTING BRACKET - 12"	1
—	A-141049	FLEX STEP SERVICE INSTALL INSTR 3.25"	1

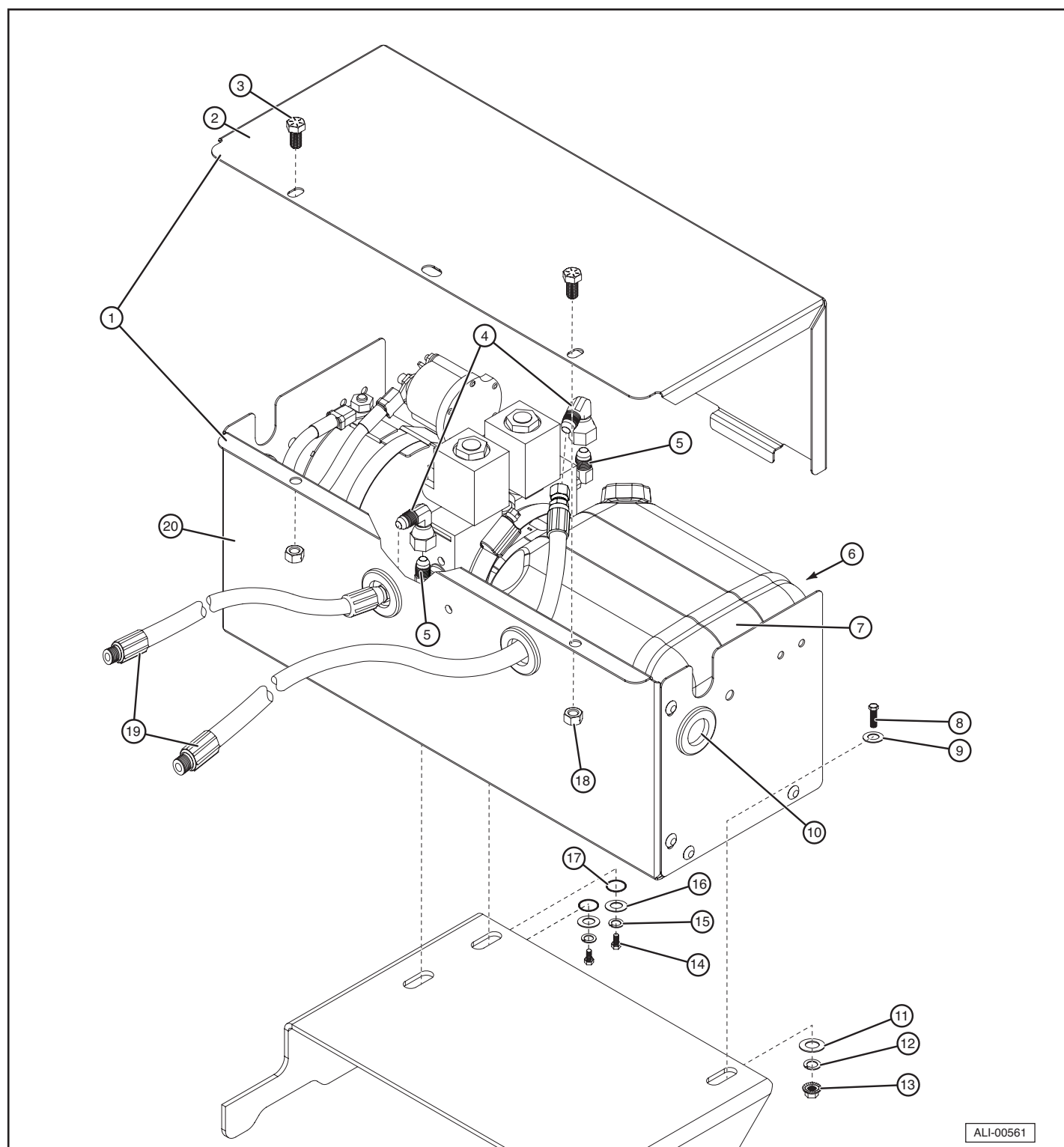
* Available in galvanized finish by adding a "-G" to the part number when ordering.

2.2 Bolt-on Floor Extension Parts



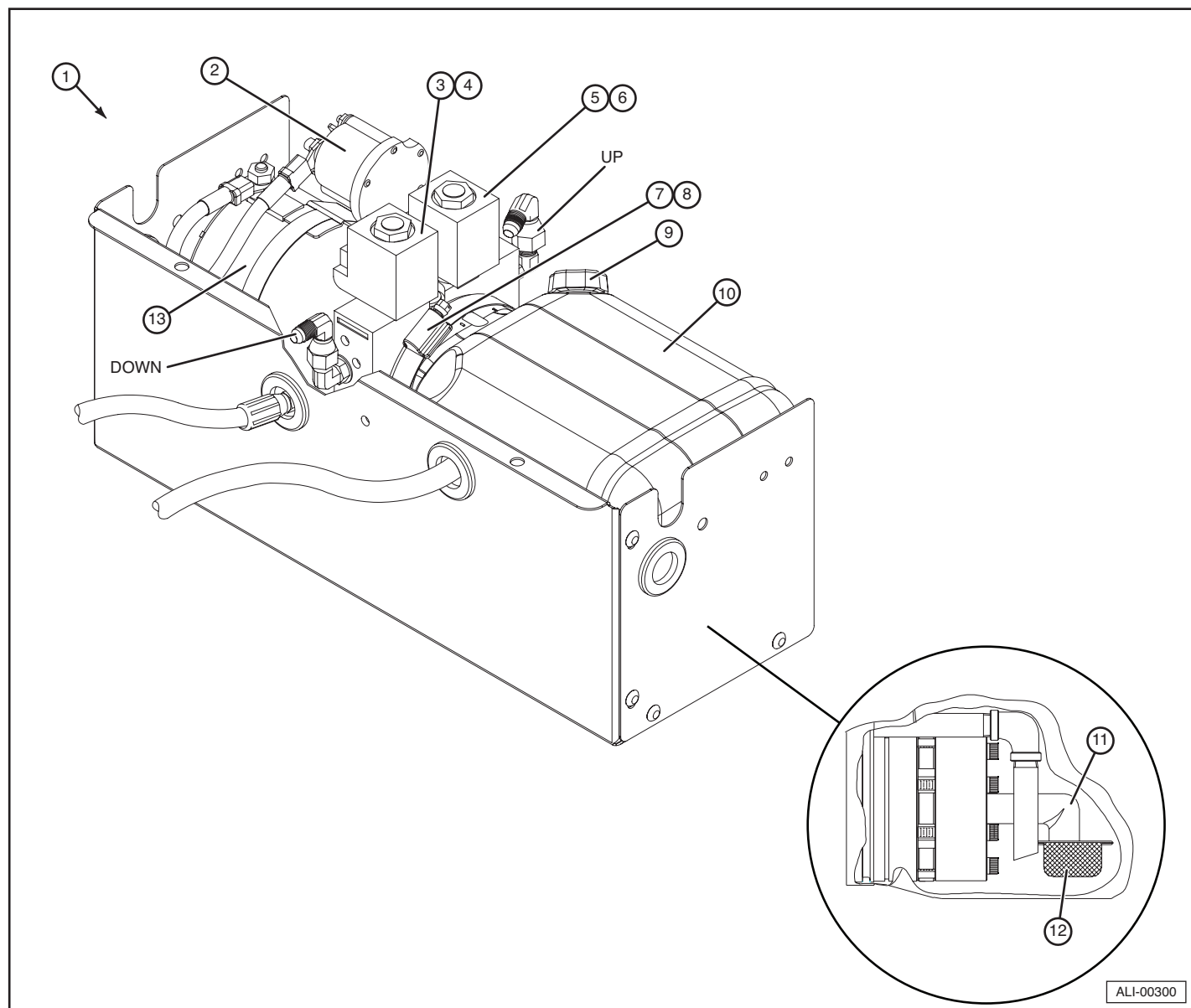
Item	Part Number	Description	Qty.
1	ATU-1445	NUT LOBE WELDMENT (BOLT-ON FLOOR EXTENSIONS)	17
2	A-150072	1/2-13 X 1.5" H/H C/S GR.8 ZP	11
3	A-132085	1/2-13 X 1.0 GR8 HEX BOLT	18
4	A-132024	1/2-13 LOCKNUT	16
5	A-150065	1/2" SAE F/W 17/32" ID X 1-1/16" OD ZP	8
6	ATU-259	1/2-13 X 2" H/H C/S GR. 8 ZP	4
7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

3. Pump Box



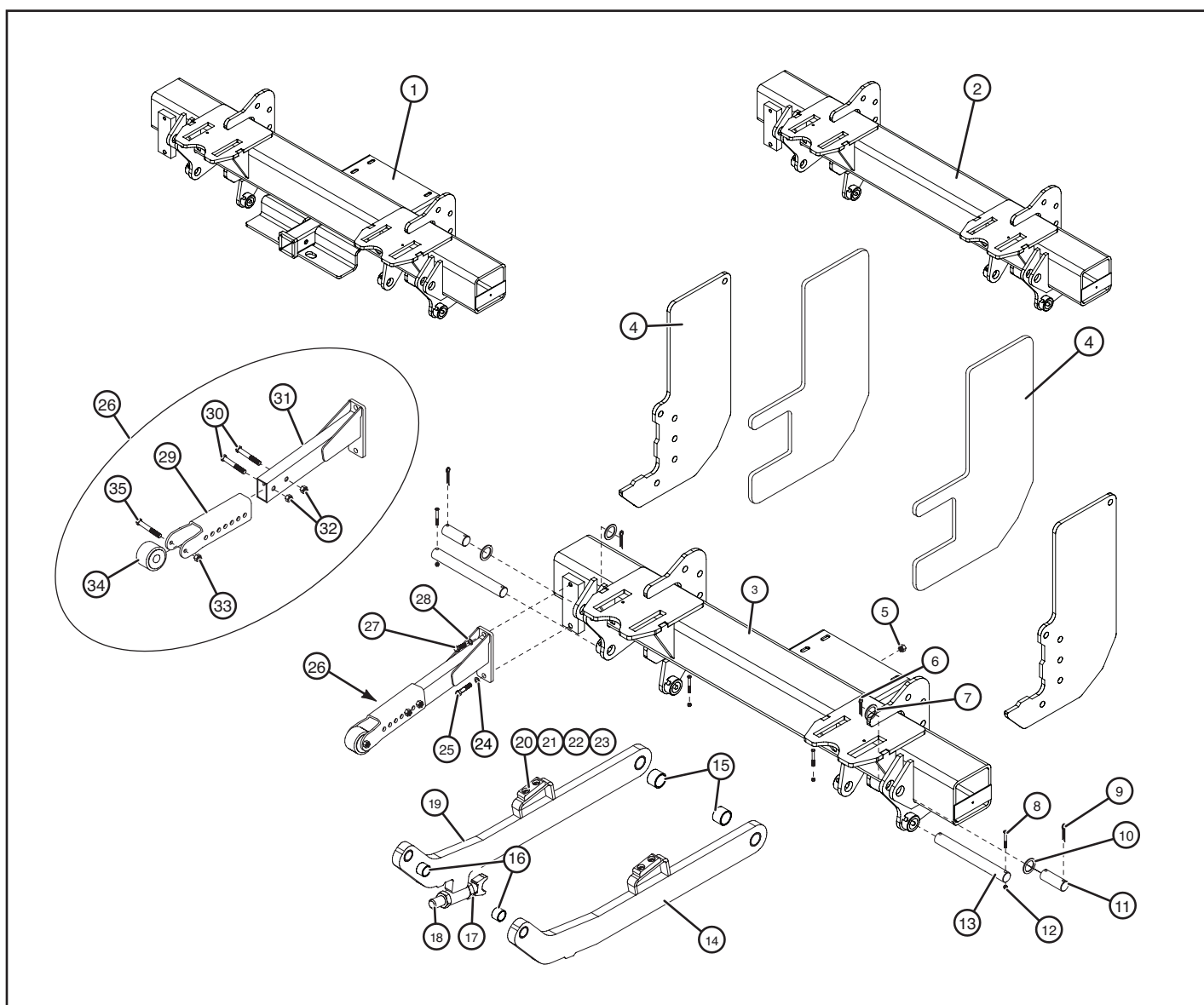
Item	Part Number	Description	Qty.
1	ATU-586	PUMP BOX-COMplete	1
2	ATU-533	PUMP BOX COVER	1
3	764	3/8-16 X 3/4" HEX BOLT	2
4	A-130142	90DEG ELBOW (MALE JIC#6 TO FEMALE JIC#6)	2
5	A-130140	FITTING: 90DEG ADAPTER (MALE SAE#6 TO MALE JIC#6)	2
6	A-130166	MTU POWER PACK UNIT (COMPLETE, 3000LB CAPACITY)	1
	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)	1
	A-130214	MTU POWER PACK UNIT (COMPLETE, 4000-6000LB CAPACITY)	
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



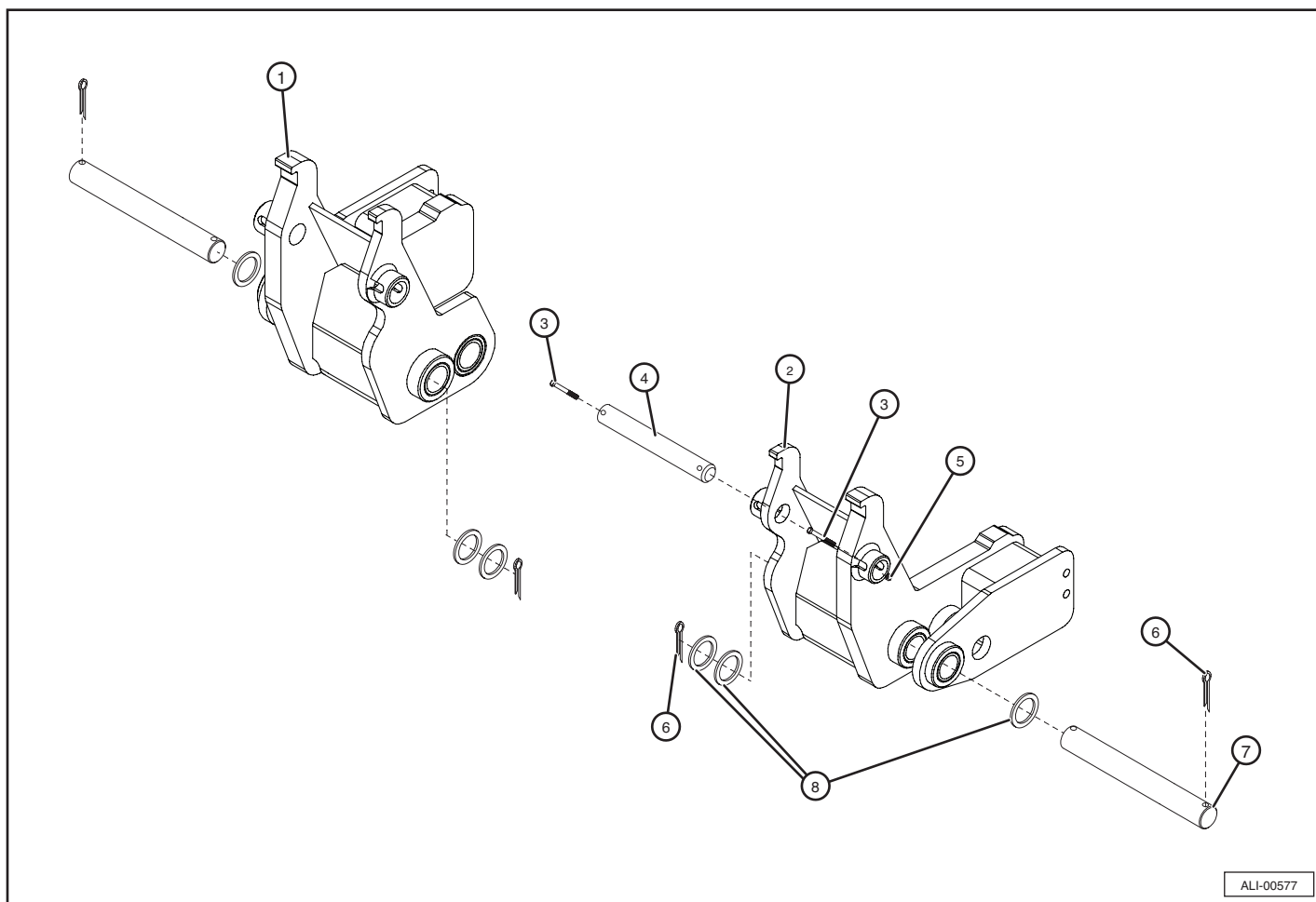
Item	Part Number	Description	Qty.
1	A-140910*	ADAPTER FRAME WELDMENT WITH HITCH (GEN3) (BOLT ON GALVANIZED ADAPTER FRAME SHOWN)	1
2	A-140869*	ADAPTER FRAME WELDMENT-LESS PUMP BOX (FLAT ROCKER STOP-GEN3) (BOLT ON GALVANIZED ADAPTER FRAME SHOWN)	1
3	A-140868*	ADAPTER FRAME WELDMENT (FLAT ROCKER STOP-GEN3) (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	3139	1/2-13 NUT	1
6	A-132027	COTTER PIN: 1/4" DIAM X 2" LONG, STAINLESS STEEL	2
7	ATU-134	RING WASHER: 1.25" ID X 1.875" OD X .125" THICK	2
8	A-132132	5/16-18 X 2.5" HEX BOLT	4
9	A-132027	COTTER PIN: 1/4" DIAM X 2" LONG, STAINLESS STEEL	2
10	ATU-134	RING WASHER: 1.25" ID X 1.875" OD X .125" THICK	2
11	A-140046	PIN: RADIUS ARM TO ADAPTER FRAME (DIAM.: 1.25", 3.5" LONG)	2
12	862	5/16-18 LOCKNUT	4
13	A-140175	PIN: ROCKER TO ADAPTER FRAME (DIAM: 1.25", 11.875" LONG)	2
14	A-140947	RADIUS ARM ASSY RH W/PLATFORM STOP	1

Item	Part Number	Description	Qty.
15	ATU-428	COMPOSITE BUSHING, 1.25" ID X 1.5" OD X 1" LONG	2
16	ATU-426	COMPOSITE BUSHING, 1" ID X 1.25" OD X 1" LONG	2
17	A-132337	1"-8 JAM NUT	2
18	A-140891	LATCH PIN	1
19	A-140946	RADIUS ARM ASSY LH W/GATE LATCH & PLATFORM STOP	1
20	A-140090	BUMPER PAD	2-4
21	2051	1/4" FLAT WASHER	8
22	ATU-359	1/4-20 LOCKNUT	8
23	S-047004	1/4-20 X 1" SLOTTED ROUND HEAD BOLT	8
23	ATU-888	WHEEL ARM ASSY (ARM W/M, CHANNEL, NO WHEEL)	
24	A-150065	1/2" FLAT WASHER	1
24	A-132342	NYLOCK NUT	1
25	ATU-259	1/2-13 X 2" GRADE 8 BOLT	1
26	ATU-881*	WHEEL ARM ASSY (ARM W/M, CHANNEL, WHEEL)	1
27	ATU-260	1/2-13 X 1.25" GRADE 8 BOLT	1
28	1691	1/2" LOCKWASHER	1
29	ATU-886*	WHEEL ARM CHANNEL	1
30	A-132112	1/2-13 X 2.5" GRADE 8 BOLT	2
31	ATU-882*	WHEEL ARM BASE WELDMENT	1
32	A-132024	1/2-13 LOCKNUT	2
33	2184	3/8-24 LOCKNUT	1
34	ATU-123	WHEEL ARM WHEEL (INCL. NUT AND BOLT; A-132039 & 2184)	1
35	A-132039	3/8-24 X 3" GRADE 8 BOLT	1

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

* Available in stainless steel finish by adding a "-SS" to the part number when ordering.

6. Rocker Assembly

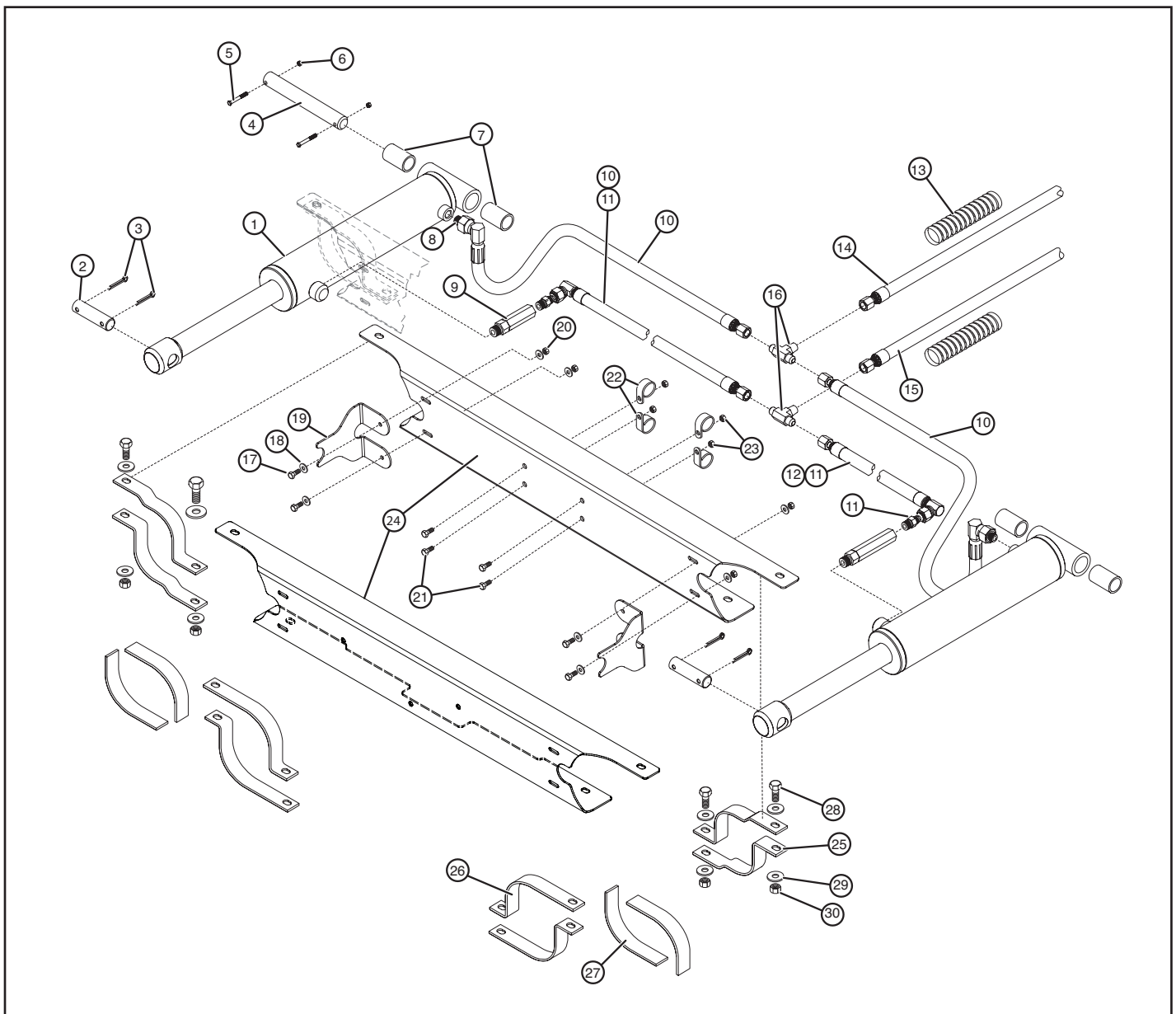


Item	Part Number	Description	Qty.
1	A-140874	LH ROCKER WITH BUSHINGS - FLAT TOP STOP-GEN3	1
2	A-140873	RH ROCKER WITH BUSHINGS - FLAT TOP STOP-GEN3	1
3	ATU-358	1/4-20 X 2" GRADE 8 BOLT	4
4	A-140864	PIN: CYLINDER UPPER (DIAM: 1", 8.375" LONG) GEN3	2
5	ATU-359	1/4-20 LOCKNUT	4
6	A-132027	COTTER PIN: 1/4"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

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

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7. Hydraulic Cylinders

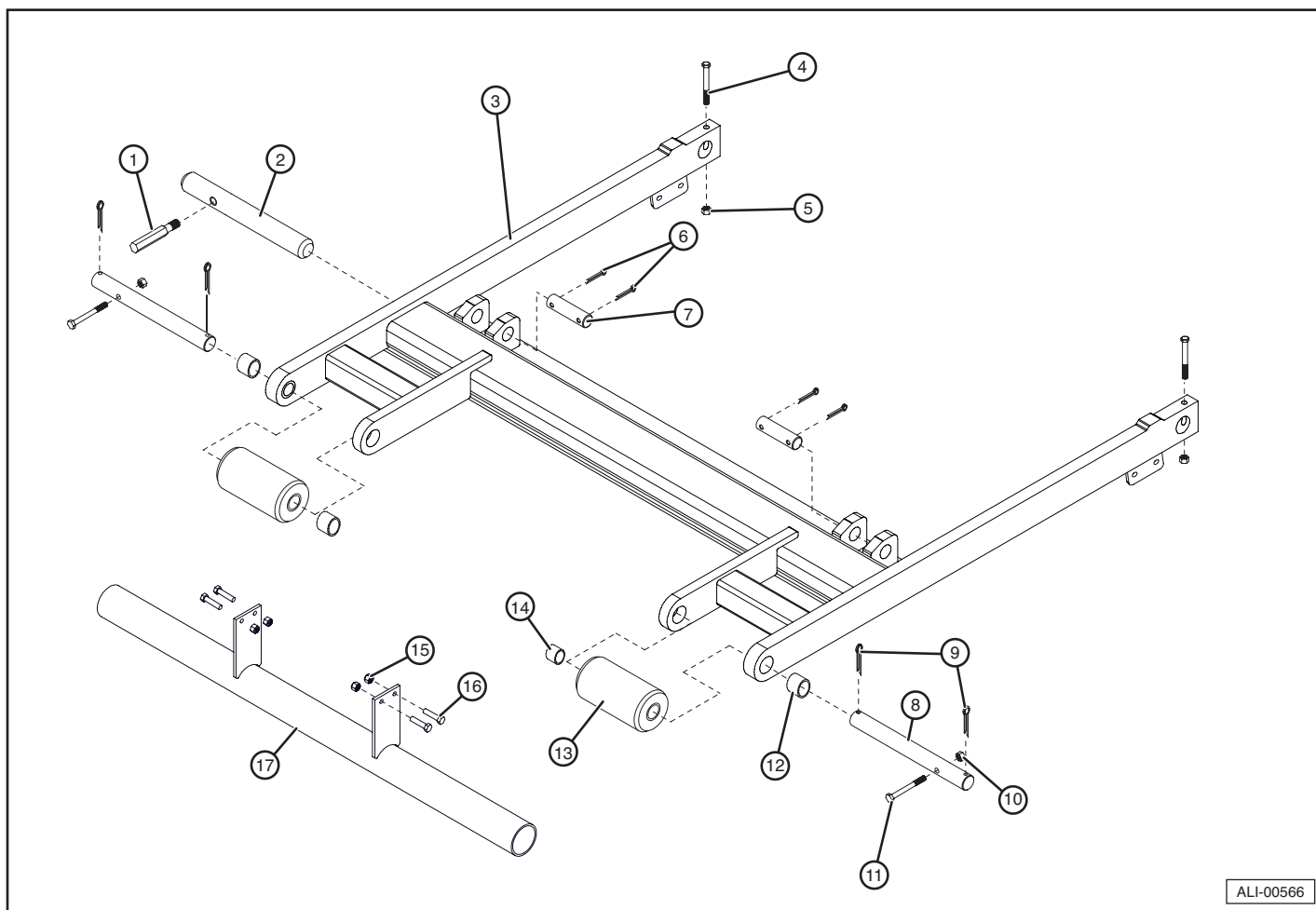


Item	Part Number	Description	Qty.
1	A-130113	HYDRAULIC CYLINDER ASSY 3000LB CAPACITY, INCL. BUSHINGS	2
	A-130114	HYDRAULIC CYLINDER ASSY 4000-6000LB CAPACITY, INCL. BUSHINGS	
2	ATU-103	PIN: CYLINDER LOWER (DIAM: 1", 4.625" LONG)	2
3	A-132026	COTTER PIN: 1/4" DIAM X 1.5" LONG, STAINLESS STEEL	4
4	A-140864	PIN: CYLINDER UPPER (DIAM: 1", 8.375" LONG) (AFTER JUNE 2017) GEN3	2
5	ATU-358	1/4-20 X 2" GRADE 8 BOLT	4
6	ATU-359	1/4-20 LOCKNUT	4
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

Item	Part Number	Description	Qty.
13	A-130339	HOSE GUARD	2
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*	HOSE TRAY	1
	A-140886	HOSE TRAY FOR HITCH ADAPTER FRAME (OPTIONAL)	
25	A-140833	3" CYLINDER CLAMP	4
26	A-140834	4" CYLINDER CLAMP	4
27	A-132333	RUBBER TAPE W/ADHESIVE 4"	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

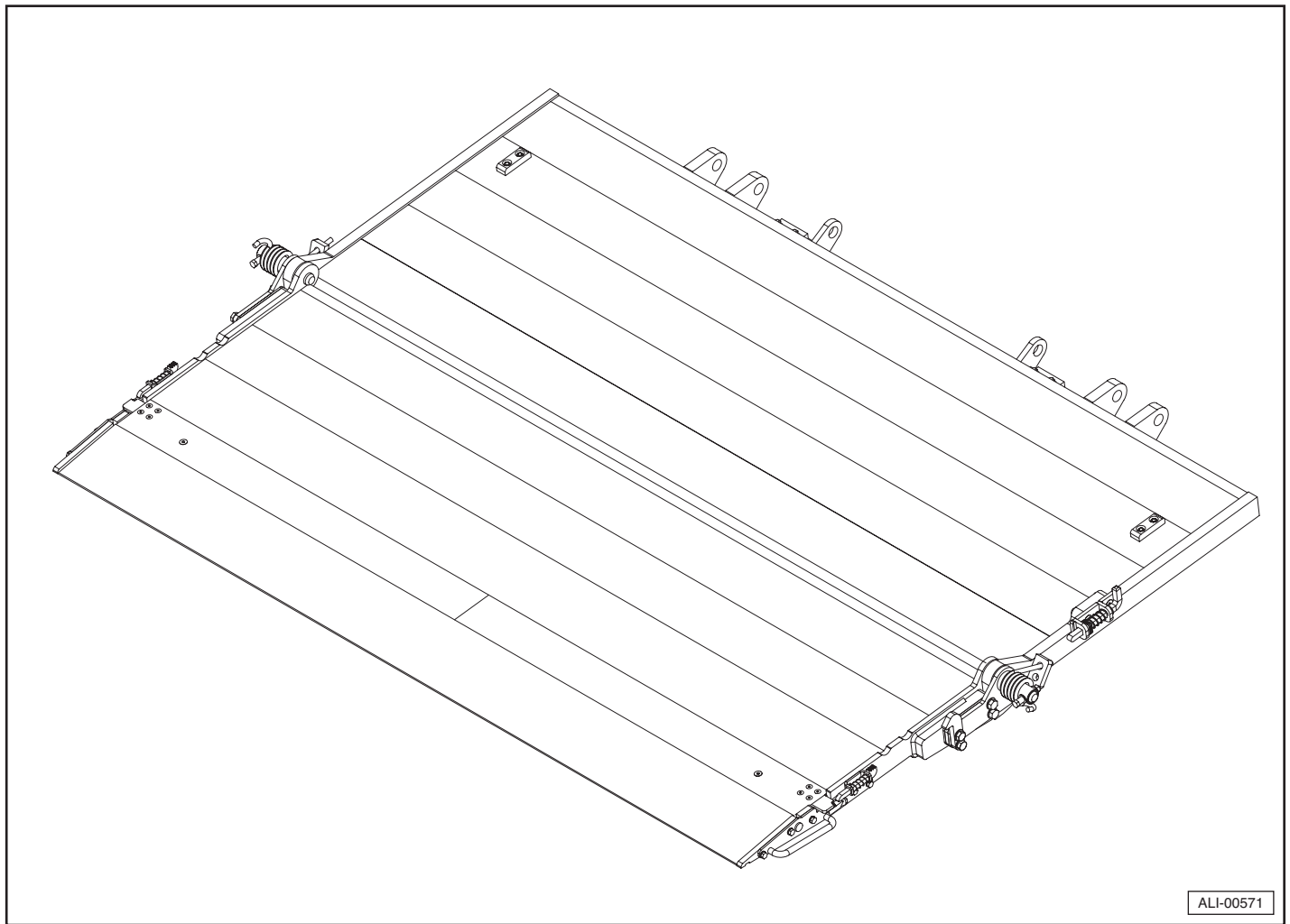


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Item	Part Number	Description	Qty.
1	ATU-557*	*old style - FOR NEW STYLE BOLTED PLATE HANDLE LATCH ORDER ATU-1176	1
2	ATU-556*	*old style - FOR NEW STYLE THREADED PIN HANDLE LATCH ORDER ATU-1171	1
3	A-140126* A-140015*	LIFTFRAME WELDMENT (WITH BUSHINGS) LIFTFRAME WELDMENT (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	ATU-259	1/2-13 X 2" H/H C/S GR. 8 ZP	4
16	A-132301	1/2-13 NYLOCK GR8 NUT ZP	4
17	ATU-5163	ICC BUMPER ATTACHMENT W/M DCT	1

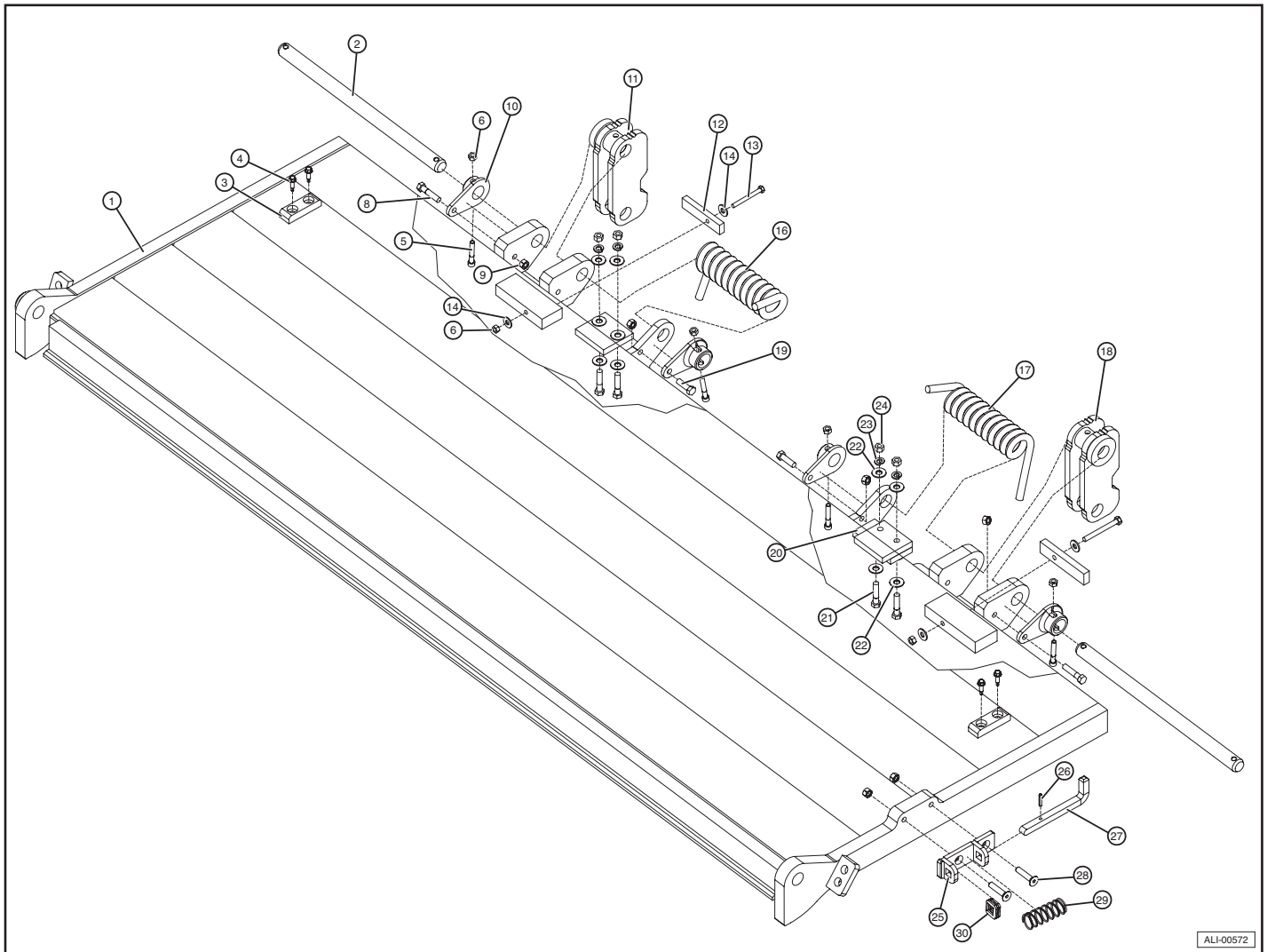
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9. Platform Assemblies



Item	Part Number	Description	Qty.
		ALL ALUMINUM	
	A-141150	PLATFORM ASSY - 80X60 WEDGE WITH REGULAR AND GEN2 SIDE CARTSTOPS, IN/B WHEEL (ALL ALUM: A-141151 & A-141152)	1
	A-140469	PLATFORM ASSY - 80X60 WEDGE LOW PROFILE, NO CARTSTOPS, O/B WHEEL (ALL ALUM: A-140356 & A-140467)	
	A-140973	PLATFORM ASSY - 80X60 WEDGE LOW PROFILE, WITH GEN2 CARTSTOPS, O/B WHEEL (ALL ALUM: A-140971 & A-140358)	

Main Platform (aluminum)



ALI-00572

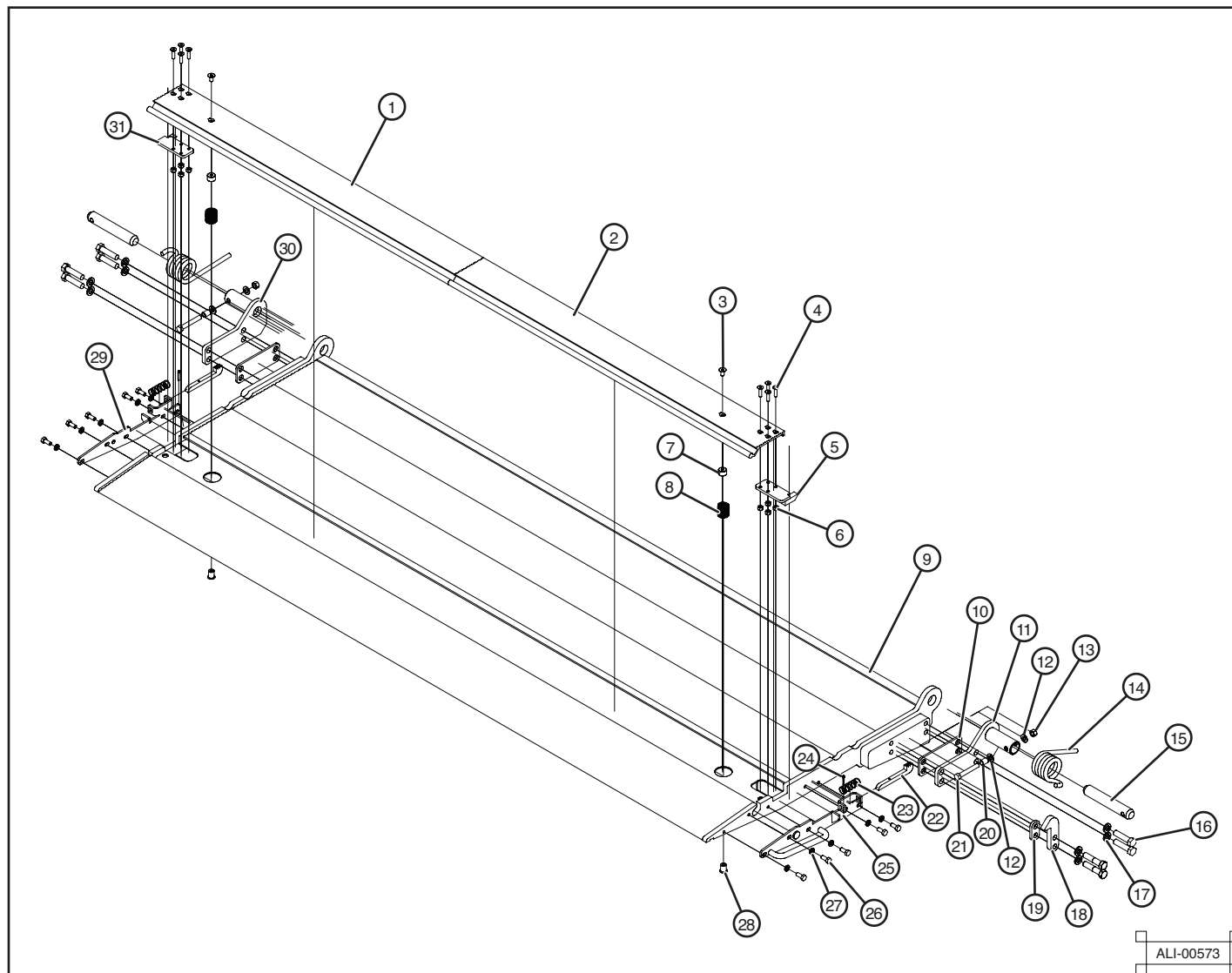
Item	Part Number	Description	Qty.
1	A-140356	MAIN PLATFORM WELDMENT, ALUM, LOW PROFILE	1
2	A-140881	PIN: ALUM PLATFORM TO LIFT FRAME (DIAM: 1", 17" LONG) (no center hole at cam) (used with lobe collars)	2
3	A-140090	BUMPER PAD	2
4	A-150159	1/4-14 X 1 SELF-TAPPING SCREW	4
5	A-132148	5/16-18 X 2" SOCKET CAP SCREW	4
6	862	5/16-18 LOCKNUT	2
7	—	—	—
8	2019	3/8-16 X 1.75" BOLT	4
9	2064	3/8-16 LOCKNUT	4
10	A-140839	LOBE COLLAR WELDMENT	4
11	A-140195*	CAM WELDMENT - STREETSIDE	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-140196*	CAM WELDMENT - CURBSIDE	1

Item	Part Number	Description	Qty.
19	ATU-247	3/8-16 X 1.25" CAPSCREW	2
20	A-140316	SPRING PLATE	2
21	2019	3/8-16 X 1.75" BOLT	2
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

10.1 Flip-Over Platform Aluminum (With Cart Stops)

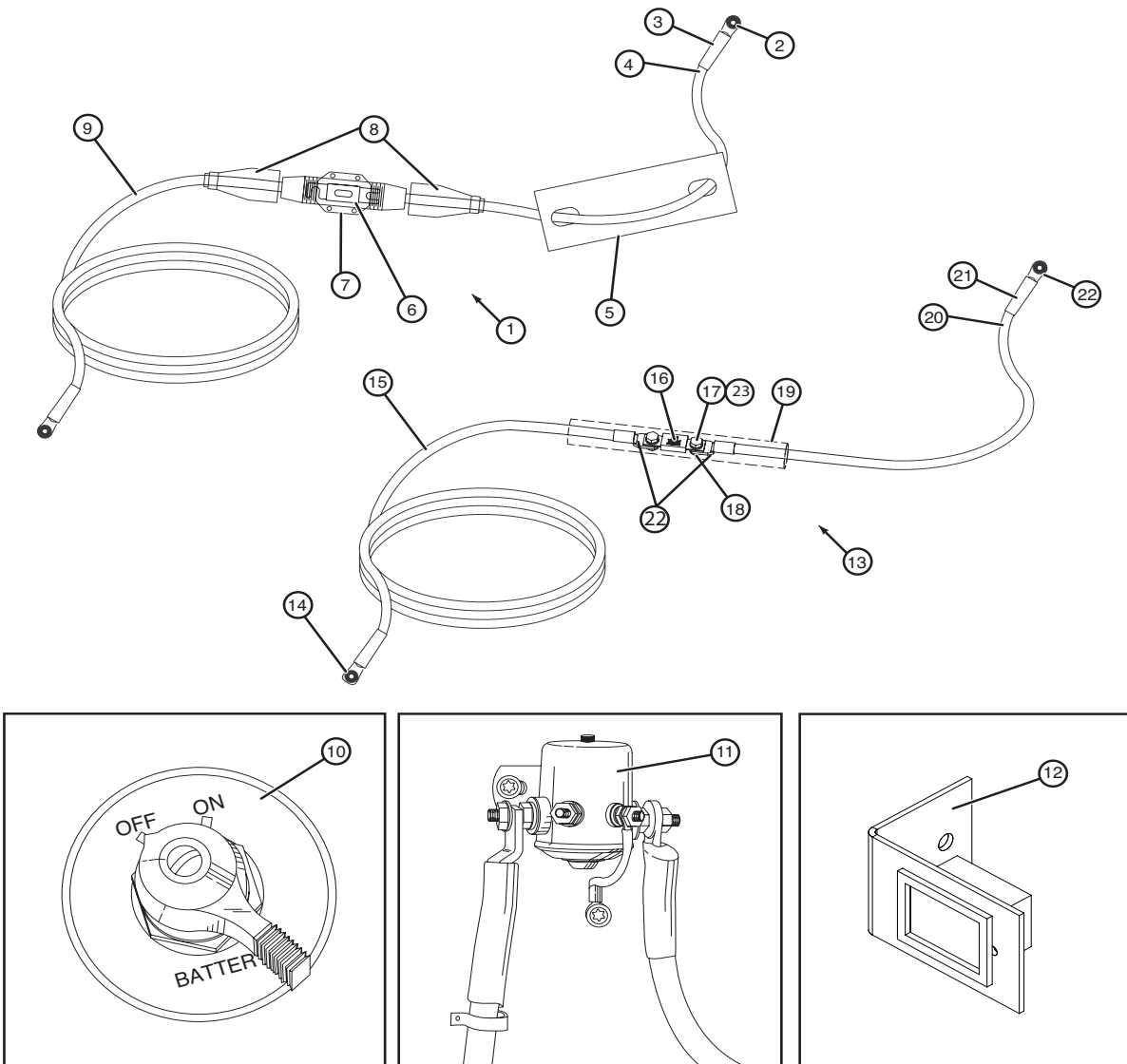


ALI-00573

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

Item	Part Number	Description	Qty.
9	A-141026	FLIP-OVER PLATFORM ASSY - ALUM, WITH GEN2 CARTSTOPS, O/B WHEEL, 84" WIDE	1
	A-141152	FLIP-OVER PLATFORM ASSY - ALUM, WITH REG&SIDE GEN2 CARTSTOPS, O/B WHEEL ARM	
	A-140972	FLIP-OVER PLATFORM ASSY - ALUM, LOW PROFILE, WITH GEN2 CARTSTOPS, OUTBOARD WHEEL ARM	
	A-140467	FLIP-OVER PLATFORM WELDMENT - ALUM, LOW PROFILE, NO CARTSTOPS, OUTBOARD WHEEL ARM	
	A-140971	FLIP-OVER PLATFORM WELDMENT - ALUM, LOW PROFILE, WITH GEN2 CARTSTOPS, OUTBOARD WHEEL ARM	
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
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

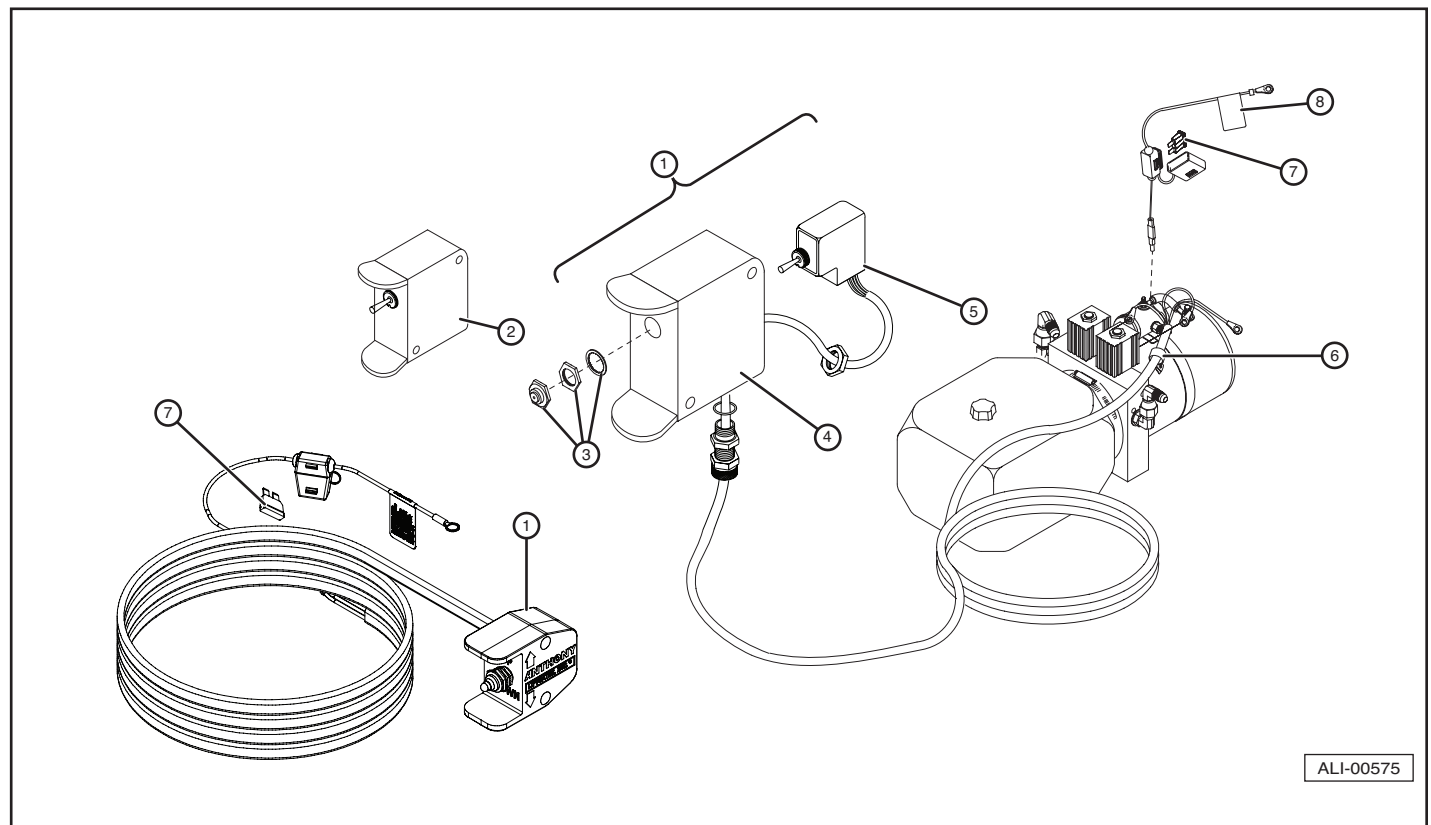
11. Fuse Assembly and Miscellaneous Accessories



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	CUT-OFF SWITCH KIT-MANUALLY OPERATING	1
	A-150031	SWITCH, CUT-OFF - MANUALLY OPERATING	1
11	A-133036	SWITCH, CUT-OFF - SOLENOID KIT	1
	A-150263	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

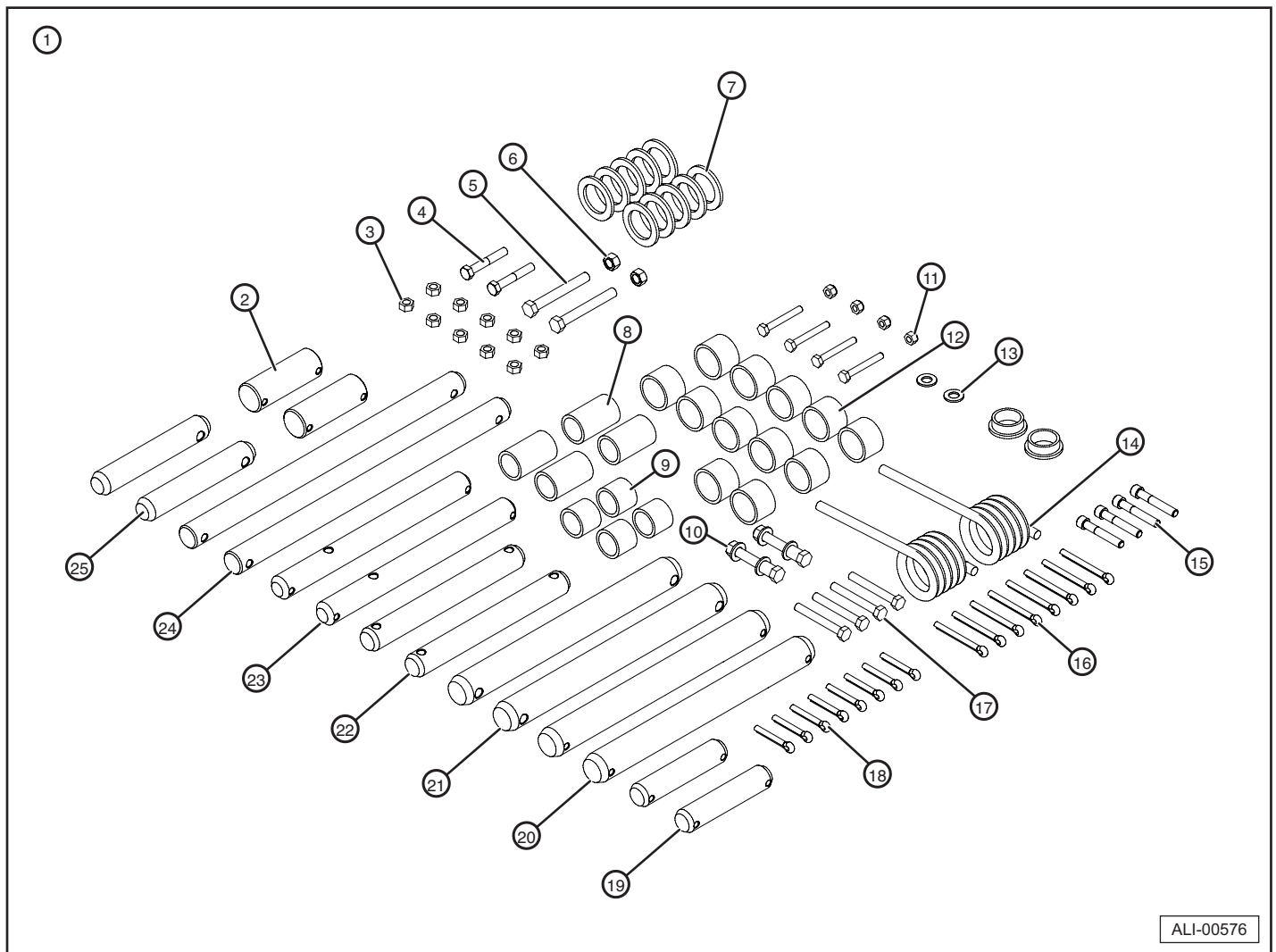
12. Control Switch Assembly



ALI-00575

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

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
19	ATU-103	PIN, LIFTFRAME CYLINDER MOUNT	2

Item	Part Number	Description	Qty.
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



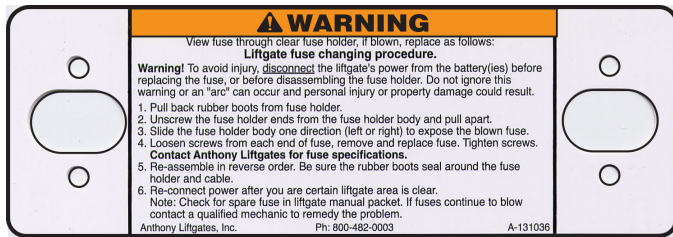
To prevent personal injury from not being aware of safety recommendations, make sure all decals are attached to the liftgate and/or truck and are legible at all times!

Item	Part Number	Description	Qty.
1	A-131036	WIRE DECAL: WARNING - FUSE REPLACEMENT INSTRUCTIONS (200 AMP FUSE ONLY)	1
2	ATU-174	DECAL: 2500LB MAXIMUM CAPACITY	1
3	ATU-147	DECAL: 3000LB MAXIMUM CAPACITY	1
4	A-171433	DECAL: 4000LB MAXIMUM CAPACITY	1
5	A-131001	DECAL: 10A FUSE & HOLDER	1
6	A-131017	DECAL: NOTE - DISENGAGE LATCH	1
7	A-131028	DECAL: WELD WARNING	1
8	A-131034	DECAL: ANTHONY LABEL	1
9	A-131070	DECAL: LIFTGATE SECURITY	1
10	A-131071	DECAL: OPERATING INSTRUCTIONS FOR CONTROL MODULE	1
11	A-131072	LVC "QUICK START" SHEET	1
12	A-131075	DECAL: MTU HYDRAULIC OIL LEVEL	1
13	A-131106	DECAL: WARNING - REMOVE BOLTS AFTER INSTALLATION	2
14	A-150601	DECAL: MADE IN THE USA	1
15	ATU-141	DECAL: AFTER USING LIFTGATE	1
16	ATU-146	DECAL: STAND CLEAR	2
17	A-131045	DECAL: OPERATING INSTRUCTIONS	1
18	ATU-424	DECAL: WARNING - RESET CIRCUIT BREAKER	1
19	A-131115	DECAL: WARNING - PERSONAL INJURY	1
20	A-150238	DECAL: NOTICE - PROTECTED WITH ELECTRICAL OVERLOAD CIRCUIT BREAKER	1
21	ATU-143	DECAL: SECURE LATCH WHILE IN TRANSIT	1

Decal Kits

Part Number	Description	Qty.
A-140708	DECAL/INSTALL KIT (2500LB CAPACITY)	1
A-140120	DECAL/INSTALL KIT (3000LB CAPACITY)	1
A-140121	DECAL/INSTALL KIT (4000LB CAPACITY)	1
L-401	MTU-GLR INSTALLATION AND OPERATION MANUAL	1
A-140705	DECAL KIT ONLY (3000LB CAPACITY)	1
A-140706	DECAL KIT ONLY (4000LB CAPACITY)	1

1 — A-131036 (200 AMP FUSE ONLY)



2 — ATU-174



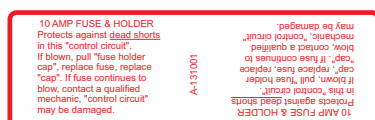
3 — ATU-147



4 — A-171433



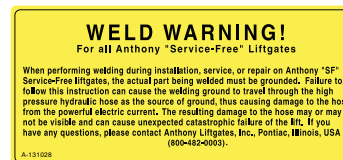
5 — A-131001



6 — A-131017



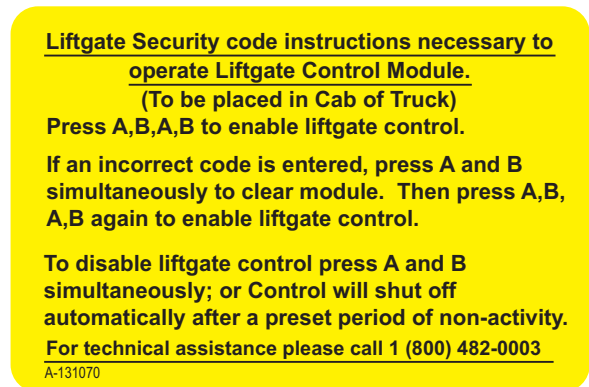
7 — A-131028



8 — A-131034



9 — A-131070



10 — A-131071

Operation Instructions for Liftgate Control Module.
(To be placed near Liftgate up/down Control Module)

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

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

A-131071

11 — A-131072

Anthony Liftgates 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 security code: Press A, R, A, R keys.
2. Green "READY" LED should light indicating that module is enabled. Note that when the "A" and "R" keys were being 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 "handheld remote control" system will also be used.
4. Module will turn off after 90 seconds of non-activity. Enter security code to enable again.
5. If the battery is running low, the module may go into a "Low Battery" condition.
 - a) If so, the "LOW BAT." LED will begin flashing.
 - b) Liftgate can be operated for only two more complete cycles.
 - c) Alarm will sound while raising or lowering.
 - d) After the two lifts, the liftgate can be "raised" only, and cannot be "lowered" until the low voltage condition is corrected.

See Below for Wiring Legend

Wire Connections for the Low Voltage Control (LVC)

Wire Color	"Gravity" Down Liftgate	"Power" Down Liftgate
White	Wired to the "UP" button with the "UP" button	Wired to the "UP" button with the "UP" button
Red	Wired to the "DOWN" button with the "DOWN" button	Wired to the "DOWN" button with the "DOWN" button
Blue	Wired to the "UP" button with the "UP" button	Wired to the "UP" button with the "UP" button
Green	Wired to the "DOWN" button with the "DOWN" button	Wired to the "DOWN" button with the "DOWN" button
Yellow	Wired to the "UP" button with the "UP" button	Wired to the "UP" button with the "UP" button
Orange	Wired to the "DOWN" button with the "DOWN" button	Wired to the "DOWN" button with the "DOWN" button
Black	Wired to the "UP" button with the "UP" button	Wired to the "UP" button with the "UP" button

When raising a second (second) control is a liftgate with an LVC control.

1. Connect the "UP" button to the "UP" button in the "UP" wire from LVC.

2. The "UP" button control is used as both Gravity Down or Power Down Liftgate. A standard "Gravity" Down only for other applications.

A-131072

12 — 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

13 — A-131106

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

A-131106

14 — A-150601



15 — 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

16 — ATU-146

STAND CLEAR
DO NOT RIDE ON LIFT

ATU-146

17 — A-131045

ANTHONY "MTU-GLR" SERIES LIFTGATE OPERATING INSTRUCTIONS

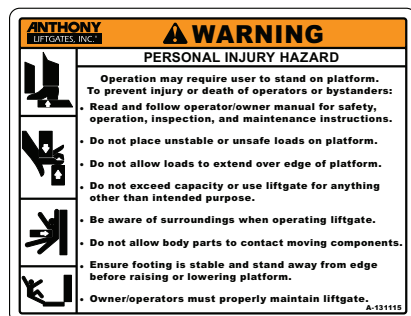
1. UNLATCH LIFTGATE BY TWISTING, THEN SLIDING "LATCH PIN" IN DIRECTION OF ARROW.
2. LOWER PLATFORM BY PUSHING CONTROL SWITCH TO "DOWN" POSITION.
PLATFORM WILL BEGIN TO OPEN AS IT LOWERS
3. UNFOLD PLATFORM BY PULLING PLATFORM HANDLE OUTWARD AND TOWARD GROUND.
4. UNFOLD "FLIP" SECTION
5. TO RAISE THE PLATFORM: 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

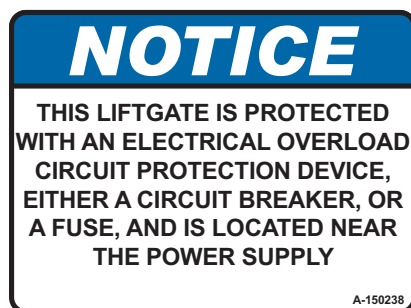
18 — ATU-424



18 — A-131115



19 — A-150238



20 — ATU-143



A-140708 — DECAL/INSTALL KIT (2500LB CAPACITY)

Part Number	Description	Qty.
A-133063	FUSE, 200A (not shown)	1
L-401	MTU-GLR INSTALLATION AND OPERATION MANUAL (not shown)	1
ATU-174	DECAL: 2500LB 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
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-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

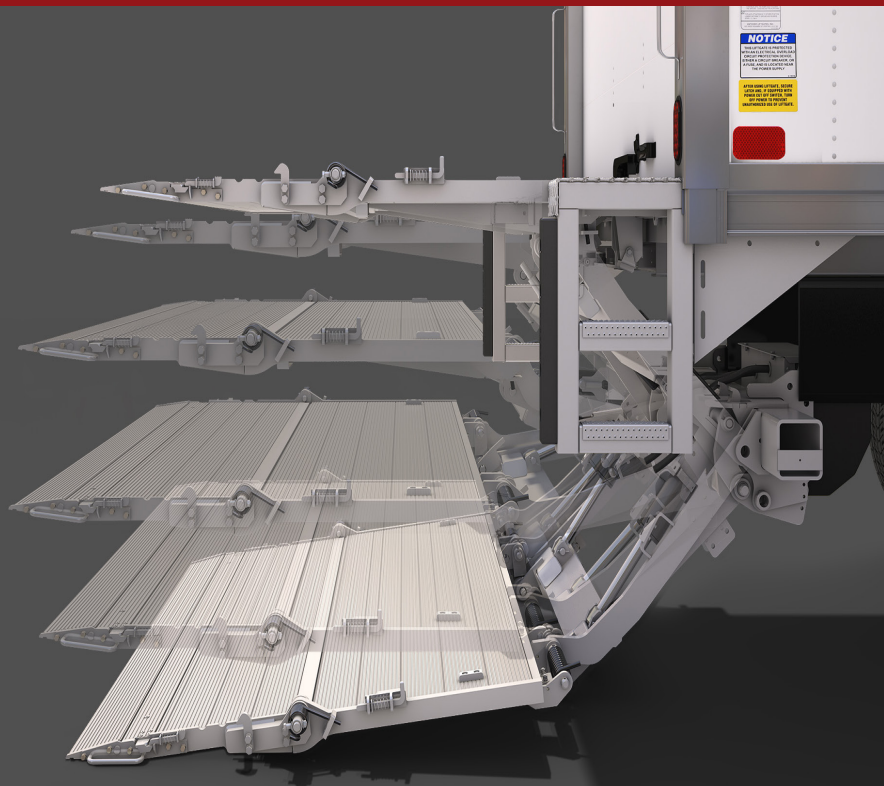
A-140706 — DECAL KIT ONLY (4000LB CAPACITY)]

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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