

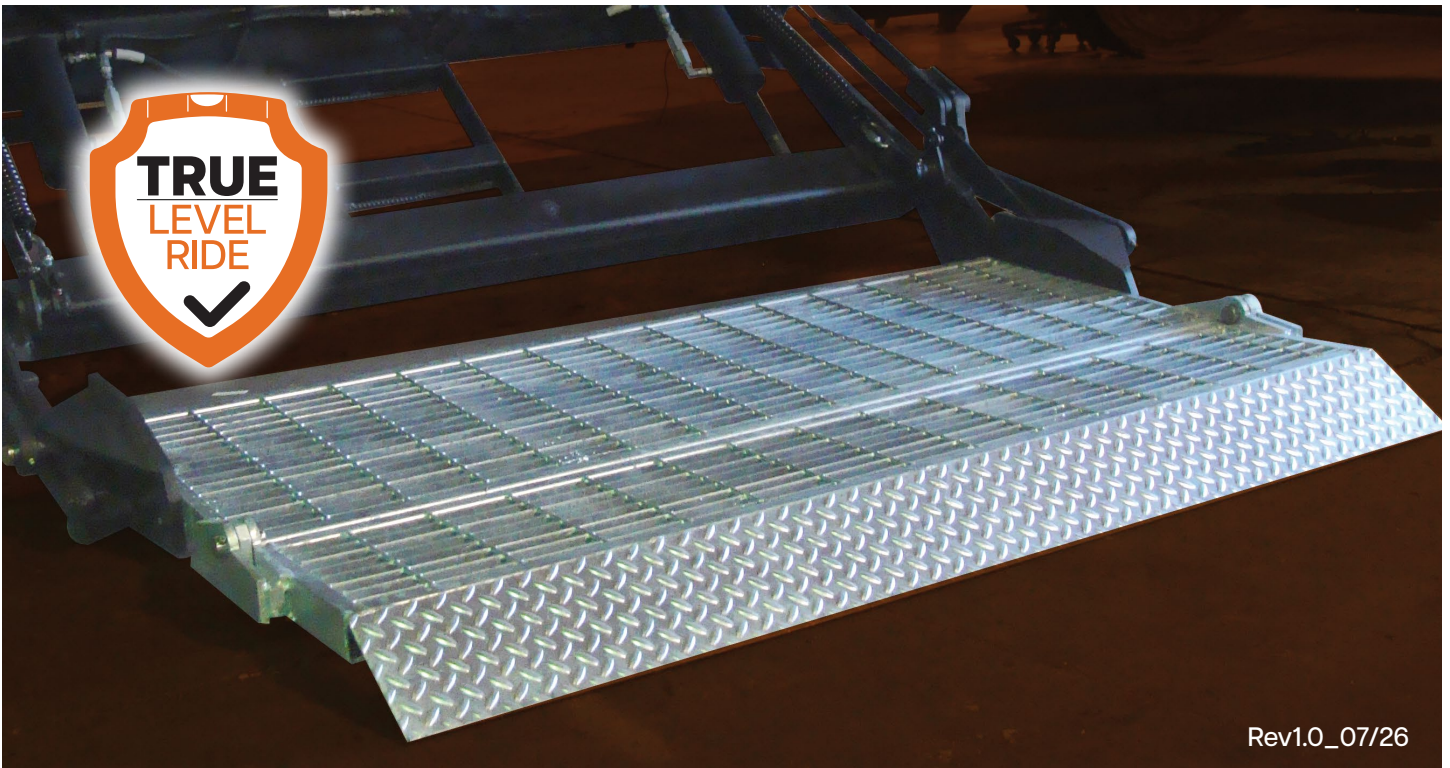
LEYMAN

LIFT GATES

REPLACEMENT PARTS

Triumph™ LTS® 2000

Hide-A-Way® Truck Side Lift Gates



Rev1.0_07/26

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GENERAL SPECIFICATIONS

CUSTOMER: _____
 MODEL: LTS _____
 SERIAL #: _____
 CAPACITY: 2000 lbs.
 TYPE: Truck Side Door Lift Gate
 POWER: 12 Volt
 PLATFORM: _____
 OPTIONS: _____

 HYDRAULIC PRESSURE: Loaded 3,000 PSI at the pump (By-Passing)
 Loaded 265, Unloaded 130
 MAXIMUM HEIGHT: 56"

Model Number	Lifting Capacity	Platform Size		Approx. Weight	Ramp
		W"	D"		
Triumph™ LTS 2000	2,000 lbs.	60"	32"	825 lbs	10" Taper

RECOMMENDED HYDRAULIC OILS/LUBRICATION

HYDRAULIC OILS	MANUFACTURER	TYPE	TEMP RANGE
Level 1 Normal Conditions	Mobil	DTE 11	-15° F to + 150° F
	Shell	TELLUS-T15	-15° F to + 150° F
	Chevron	RYKON ISO-15	-15° F to + 150° F
Level 2 Cold Conditions	Mobil	AERO-HFA	-50° F to + 80° F
	Shell	AERO FLUID #4	-50° F to + 80° F
	Chevron	AVIATION-A	-50° F to + 80° F
	Mil	H-5606	-50° F to + 80° F

*ISO 15 petroleum based fluid required; see chart for manufacturer cross reference. If necessary, use higher viscosity oil when temperatures are near 100° F.

*** DO NOT USE brake fluid or ATF**

RECOMMENDED GREASE

MANUFACTURER	TYPE
Militec	MILITEC #1 Grease

RECOMMENDED ELECTRICAL TERMINAL SEALER

MANUFACTURER	TYPE
Eureka	FLUID FILM SPRAY (all connections except Start Solenoid)
Loctite	COLOR GUARD (brush on Start Solenoid connections)

HOW TO USE THE GUIDE

This guide will provide part numbers for all of the main structural assemblies, pivot pins, hydraulic components and electrical components used on the LTS2000.

Please follow the steps below to determine the part number(s) needed for replacement:

- 1) Locate the section of the guide which corresponds to the type of part required.
- 2) The top of each page shows the entire lift gate, and the referenced part is highlighted in orange where it is located on the gate. Smaller parts are also highlighted in orange, but additionally they will have an arrow to more easily locate where the part is found.
- 3) Below the overall lift gate view is the part number in BOLD text, with an isolated image of the part or assembly.

Note 1: The isolated image shows everything that is included with the part number.

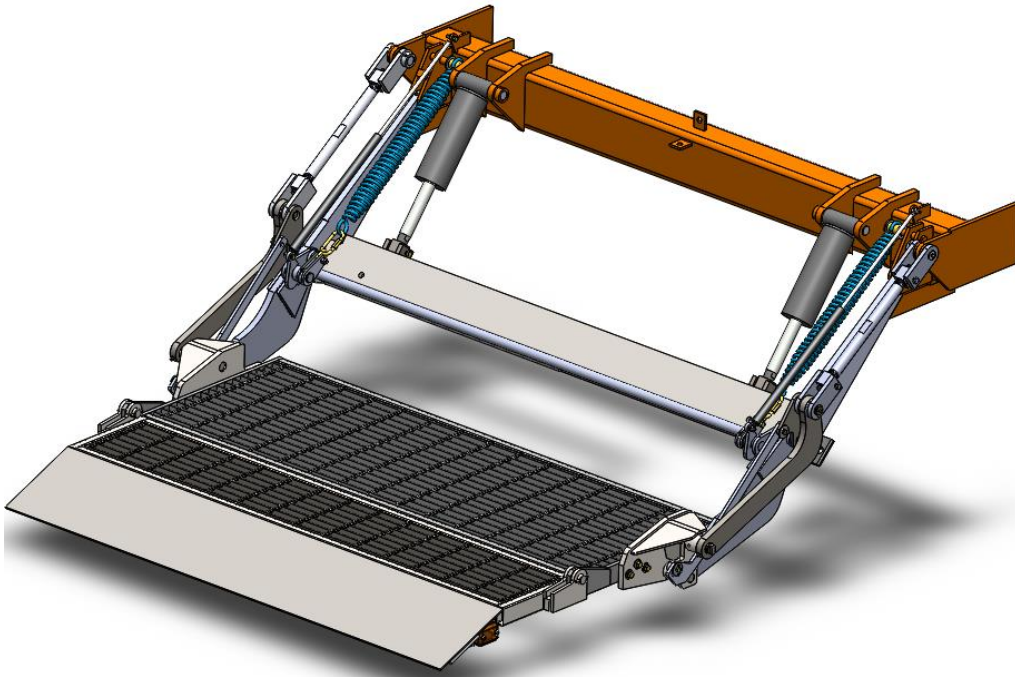
Note 2: If bearings are used on a structural subassembly, it is noted as “complete with bearings”. The bearings are represented as green surfaces inside pivot joints.

- 4) Related parts are found at the bottom of each page for each replacement part.

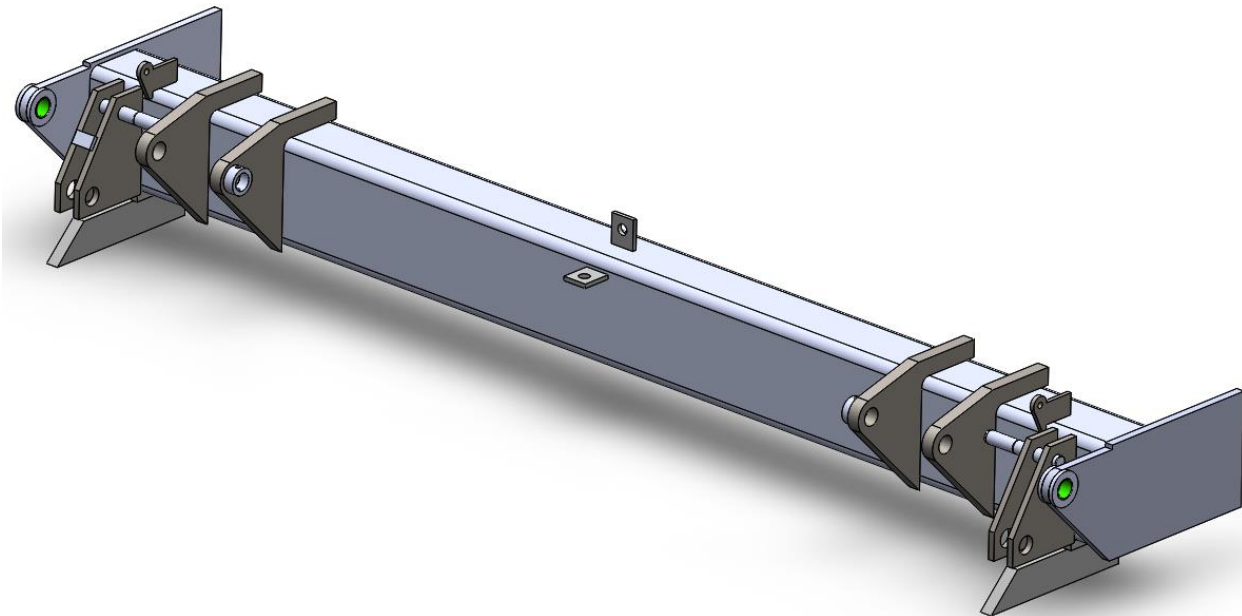
Note 1: Refer to the notes following the related part description. The notes will indicate if the related part is included with the replacement part, or if it will need to be purchased separately.

Please refer to the owner’s manual supplied with the LTS lift gate for information regarding operation instructions, preventative maintenance schedules, recommended fluids and troubleshooting.

TRUNION ASSEMBLY



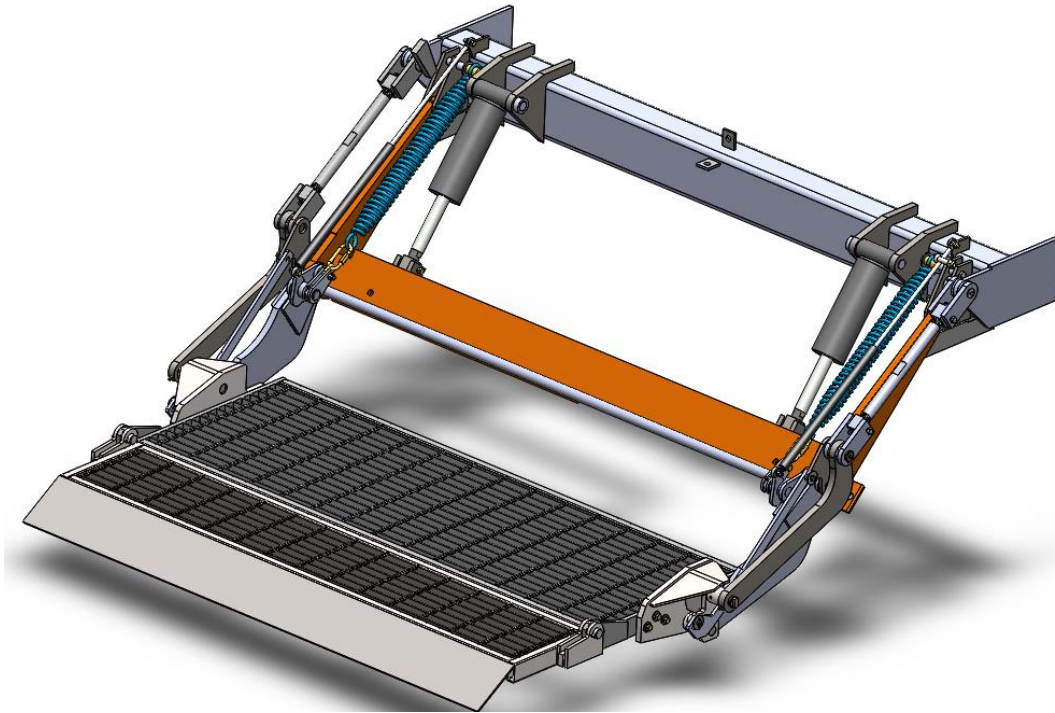
CA-803-117 (complete with bearings)



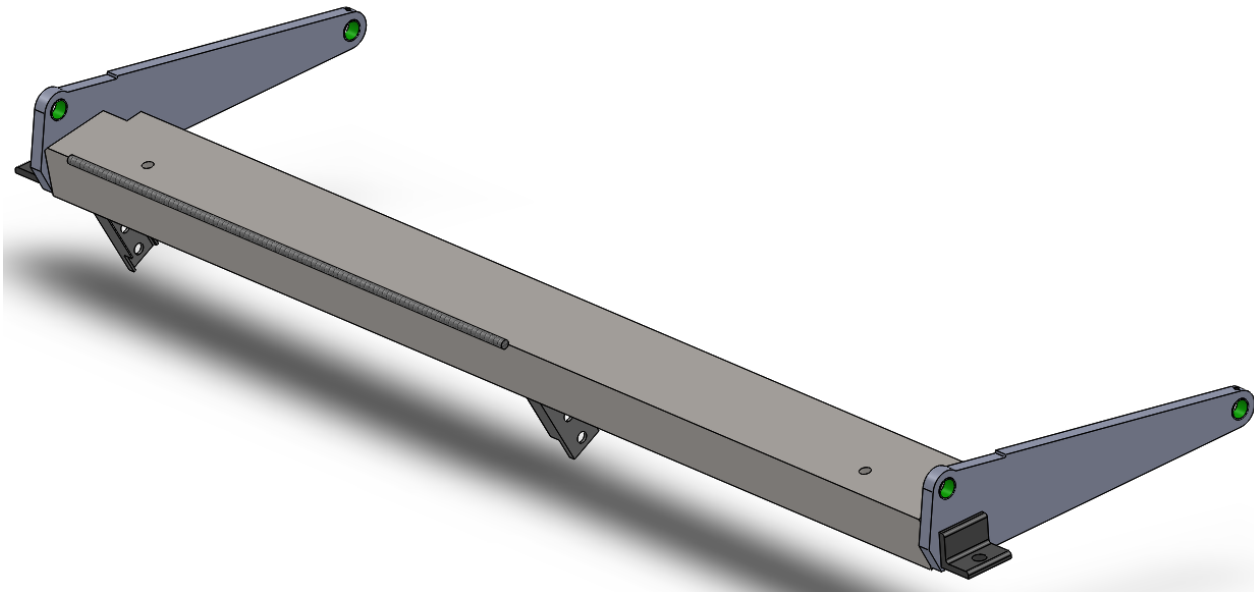
Related Parts (Available Separately):

P43617 – 1" ID x 1" LG Bearing (2) required (for upper tension arm pins)

UPPER COMPRESSION ARM ASSEMBLY



CA-803-116 (complete with bearings)

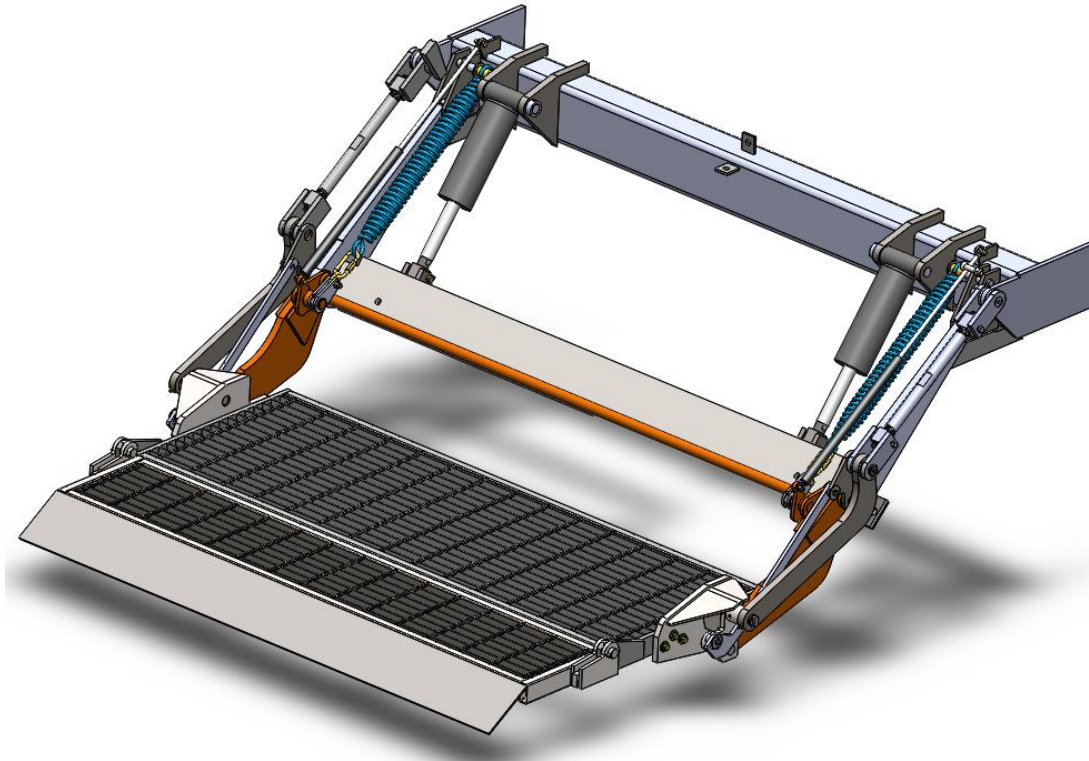


Related Parts (Available Separately):

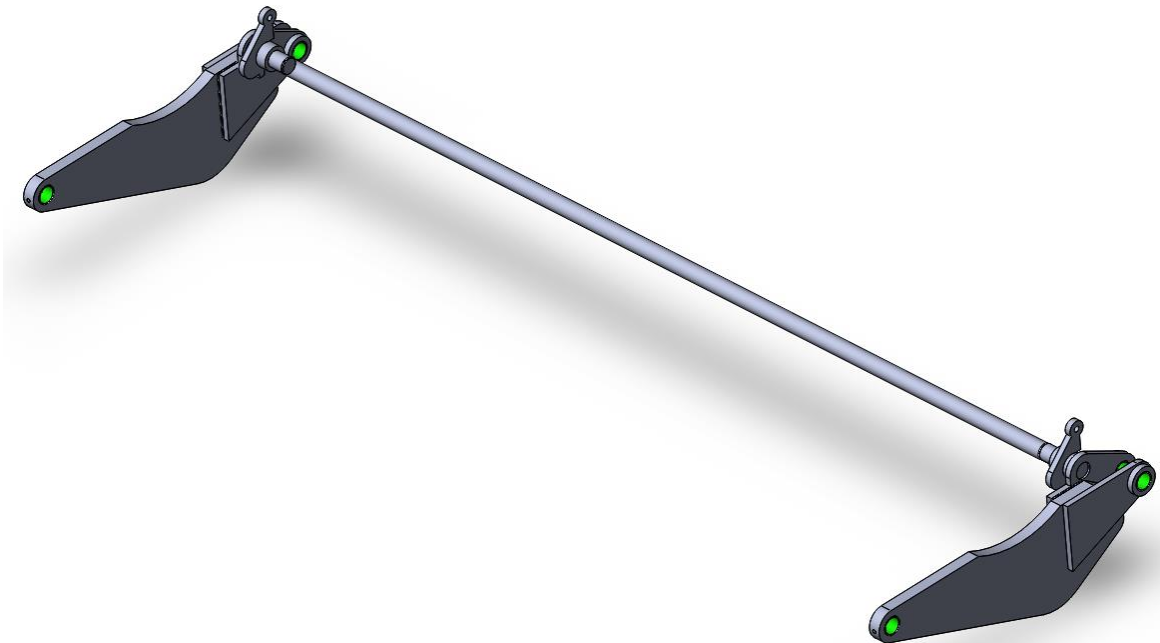
P43616 – 1" ID x 3/4" LG Bearing, (4) required (LH/RH arms)

P43617 – 1" ID x 1" LG Bearing (2) required (cylinder clevis mounting blocks under angle cross member)

LOWER COMPRESSION ARM ASSEMBLY



CA-803-120 (complete with bearings)

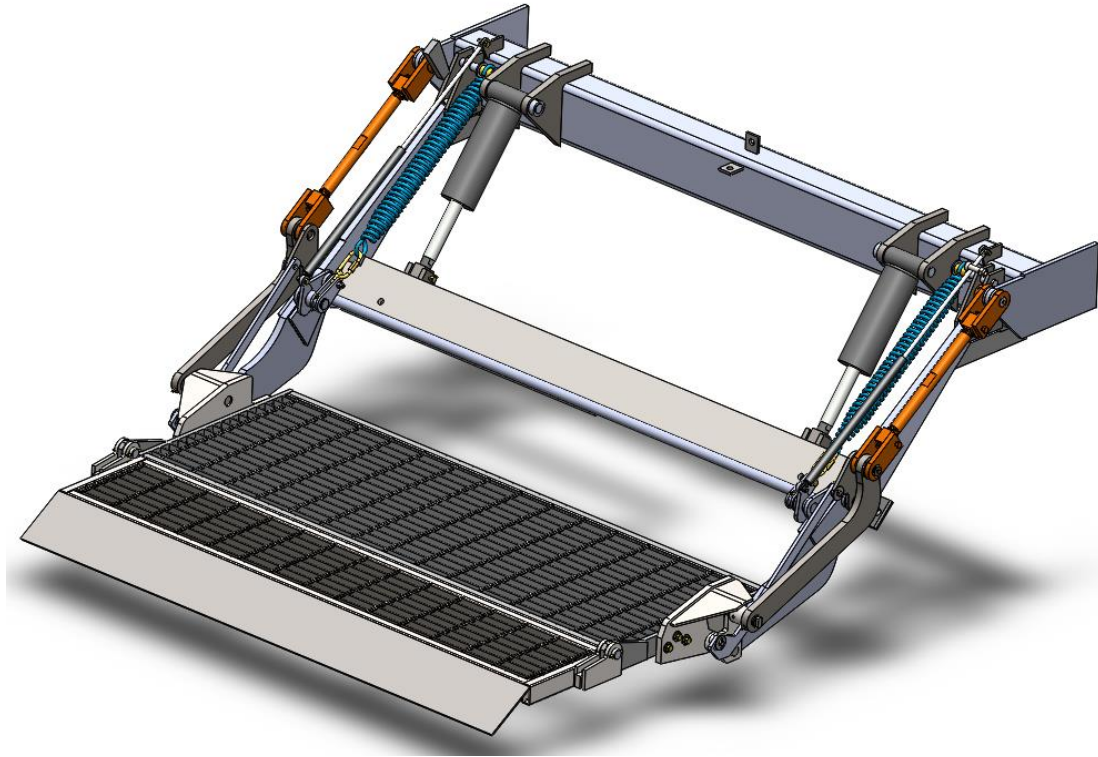


Related Parts (Available Separately):

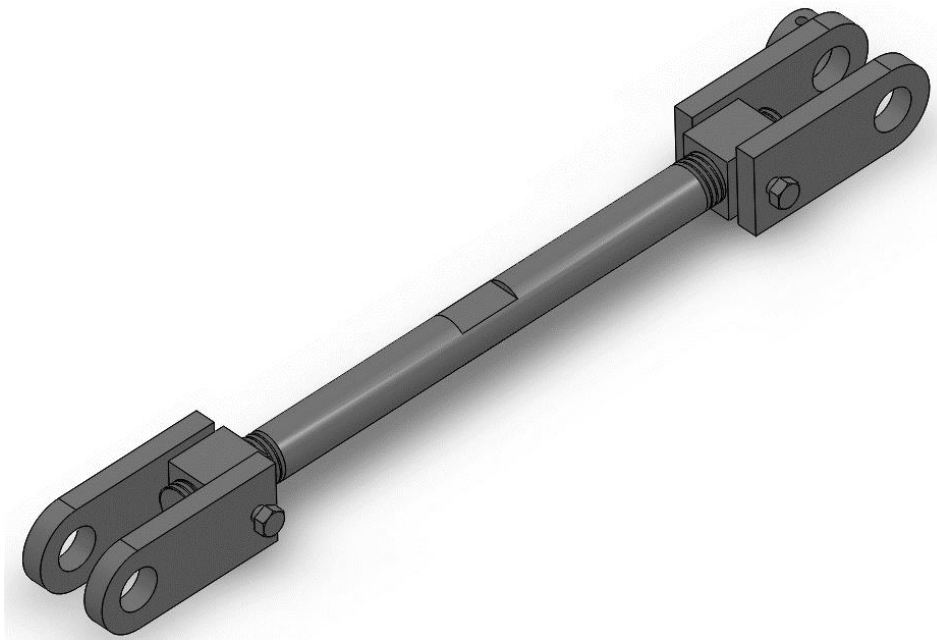
P43616 – 1" ID x 3/4" LG Bearing, (6) required

P32016 – Grease fitting, (2) required (not shown or included with CA-803-120)

UPPER TENSION ARM ASSEMBLY



BA-803-090 (LH/RH same)

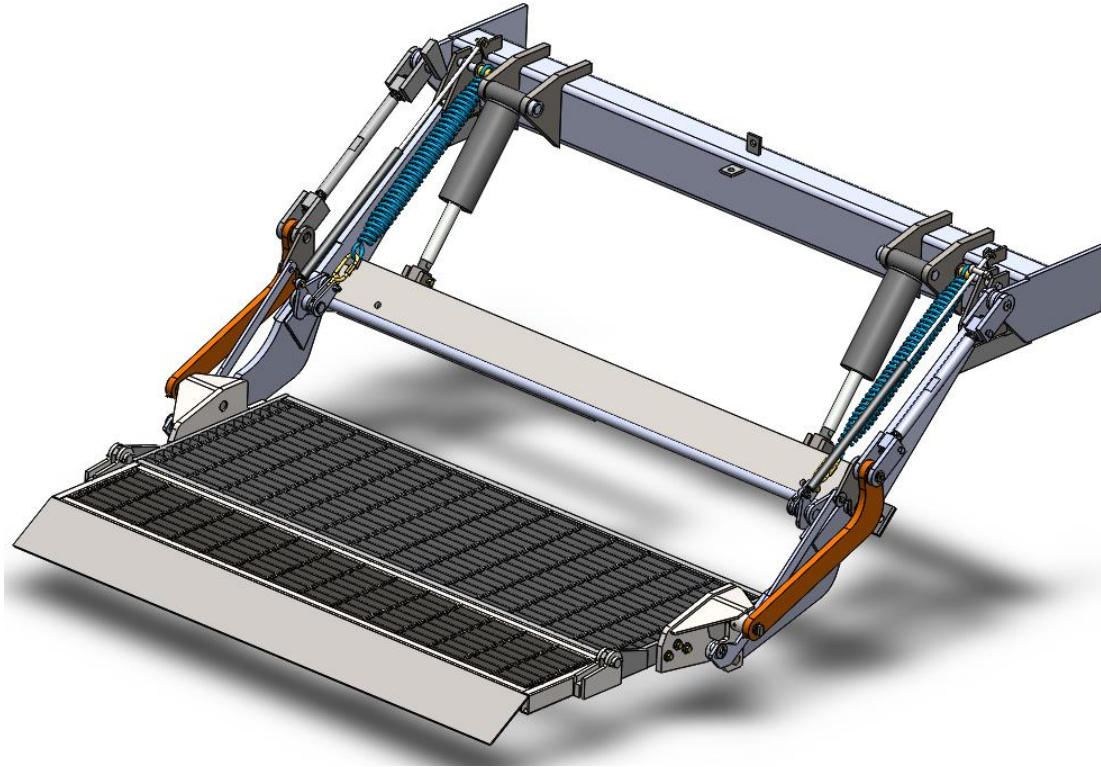


Related Parts (Available Separately):

P10526 – $\varnothing 3/8"$ HHCS, (2) required

P47514 – $\varnothing 1/4"$ Roll pin, (1) required (not shown or included with BA-803-090)

LOWER TENSION ARM ASSEMBLY



BA-803-118 complete with bearings (LH/RH same)



Related Parts (Available Separately):

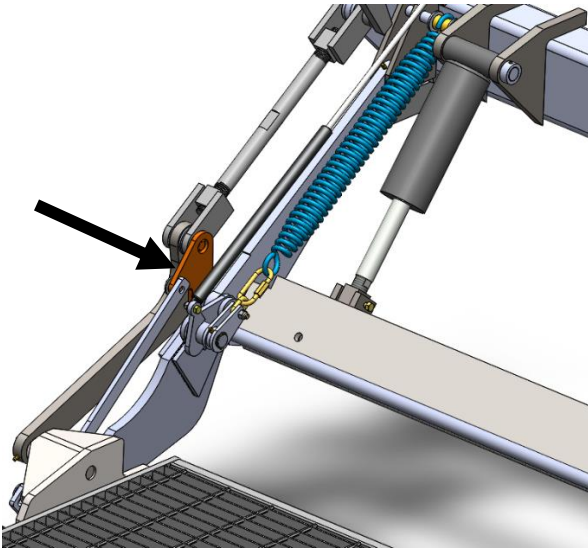
P43617 – 1" ID x 1" LG Bearing, (1) required per arm

P43616 – 1" ID x 3/4" LG Bearing, (1) required per arm

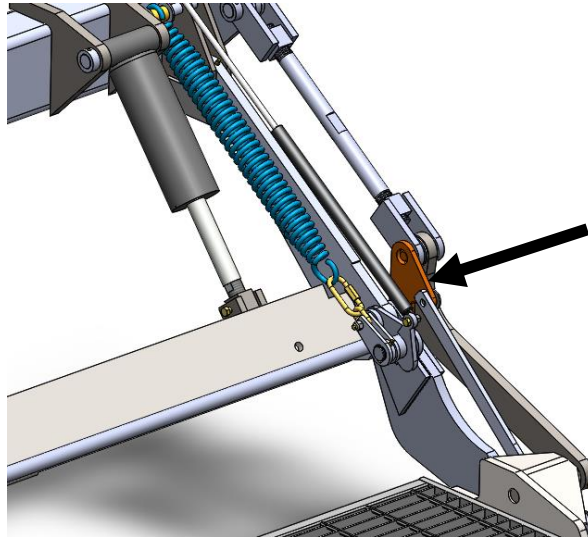
P32016 – Grease fitting, (1) required per arm (not shown or included with BA-803-118)

FOLD LINK ASSEMBLY

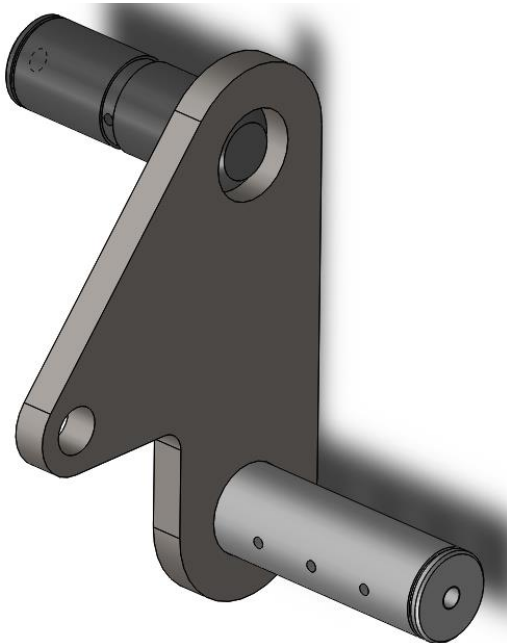
Left Hand Fold Link Assembly



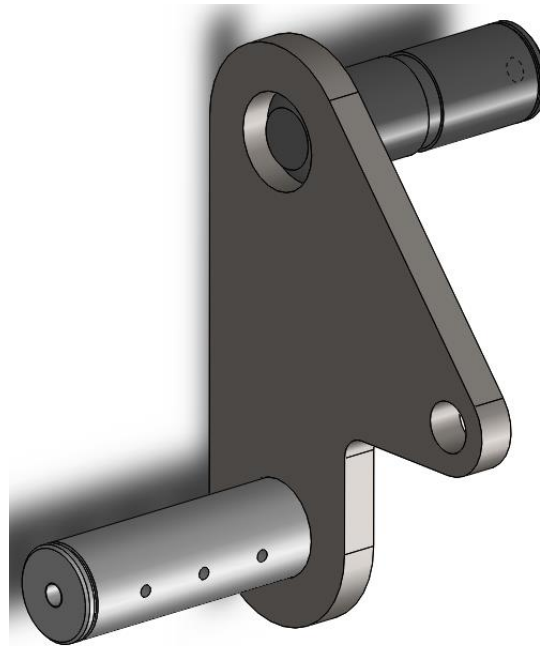
Right Hand Fold Link Assembly



BA-803-062 (left hand)



BA-803-061 (right hand)

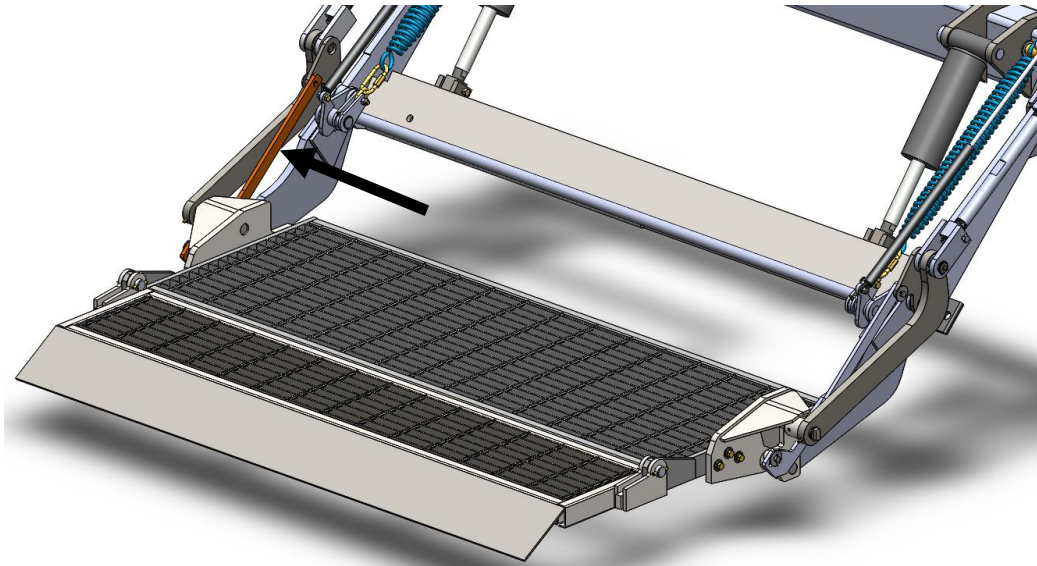


Related Parts (Available Separately - not shown or included with BA-803-061 or BA-803-062):

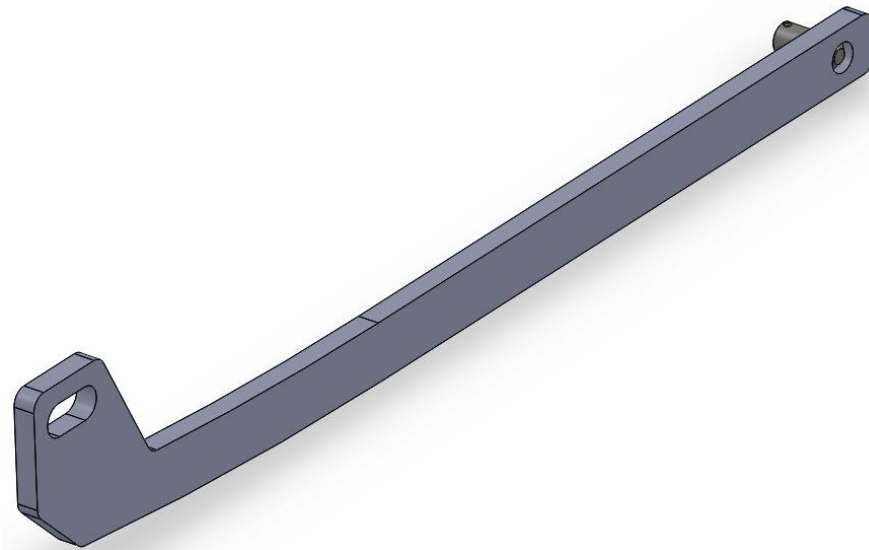
P24020 – 1" Retaining ring, (2) required

P32016 – Grease fitting, (2) required

LH ANTI-ROTATION LINK



BA-803-158



Related Parts (Available Separately - not shown or included with BA-803-158) - **used with pin end:**

P29009 – 1/8" Cotter pin, (1) required

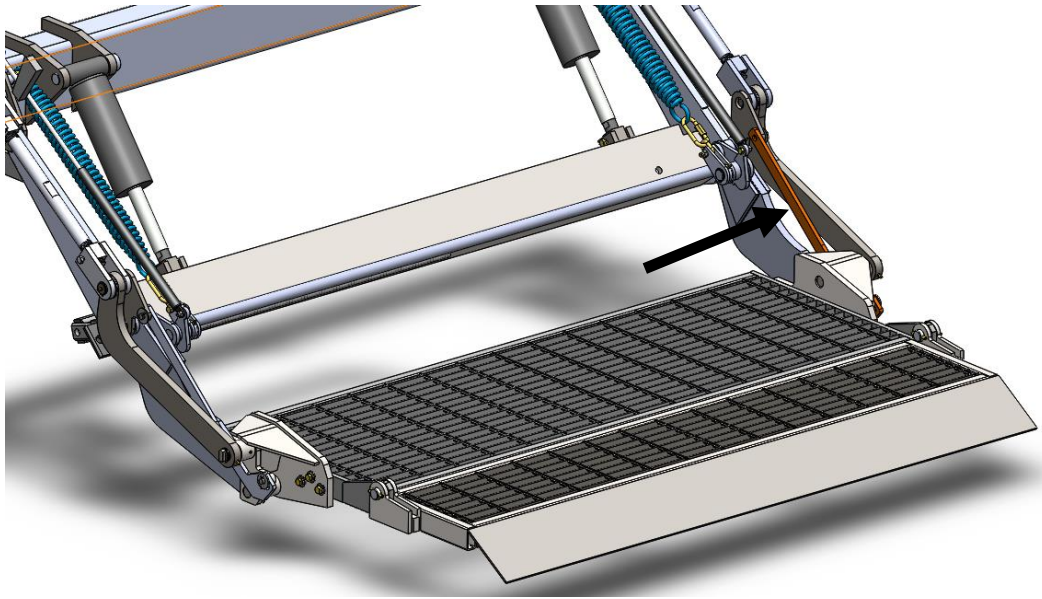
P26004 – Flat washer, (1) required

Related Parts (Available Separately - not shown or included with BA-803-158) - **used with slot end:**

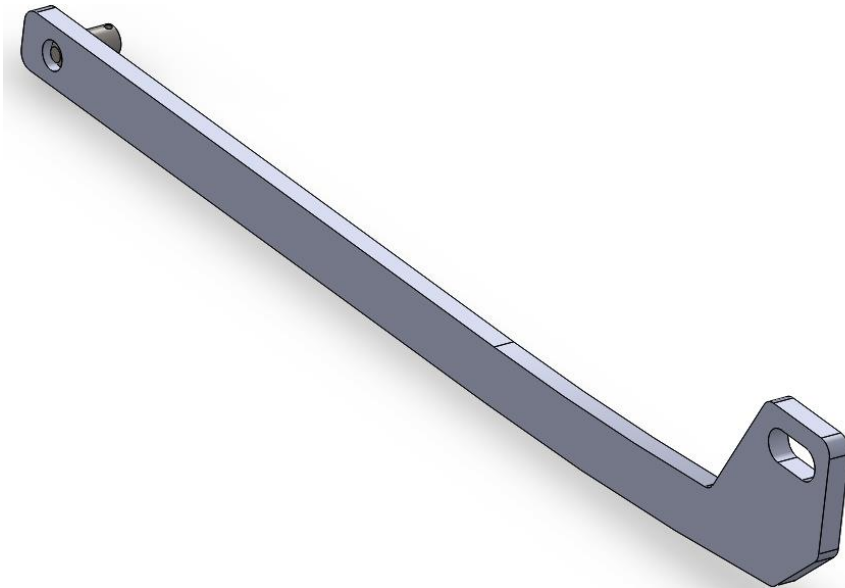
P29009 – 1/8" Cotter pin, (1) required

P26004 – Flat washer, (1) required

RH ANTI-ROTATION LINK



BA-803-157



Related Parts (Available Separately - not shown or included with BA-803-157) - **used with pin end:**

P29009 – 1/8" Cotter pin, (1) required

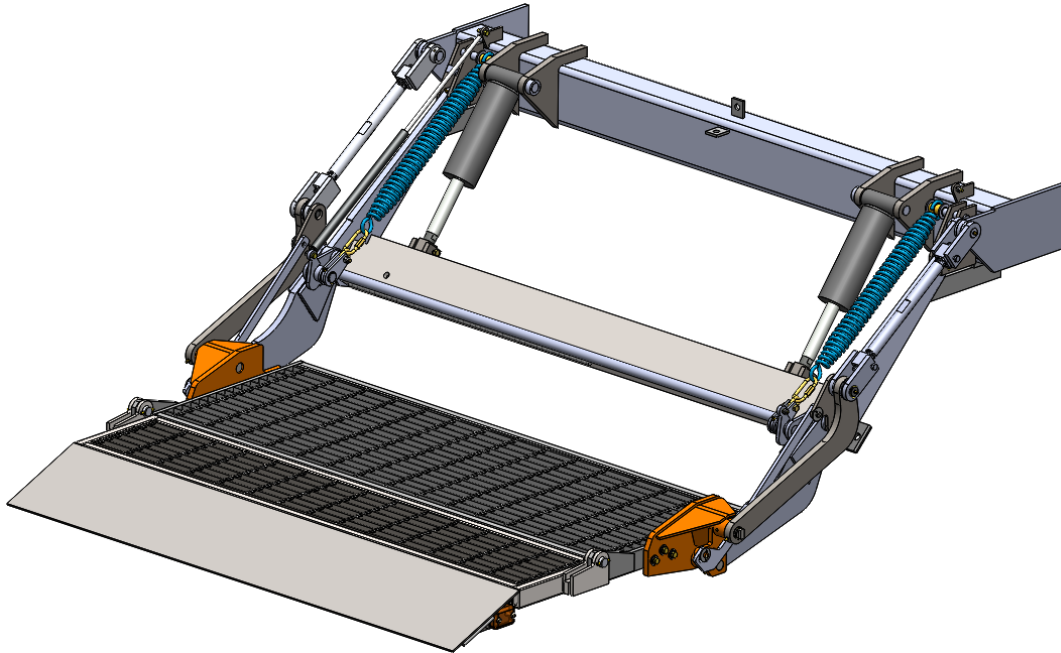
P26004 – Flat washer, (1) required

Related Parts (Available Separately - not shown or included with BA-803-157) - **used with slot end:**

P29009 – 1/8" Cotter pin, (1) required

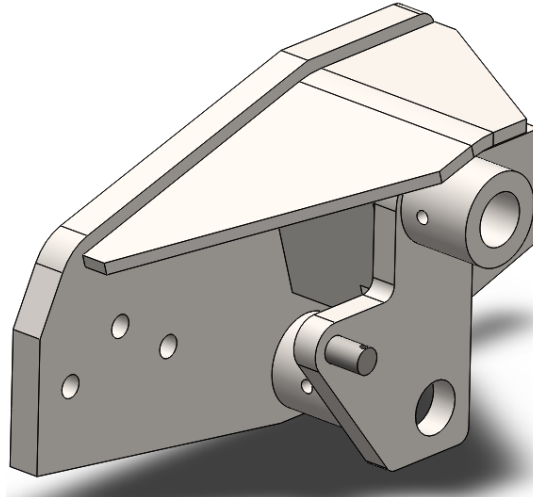
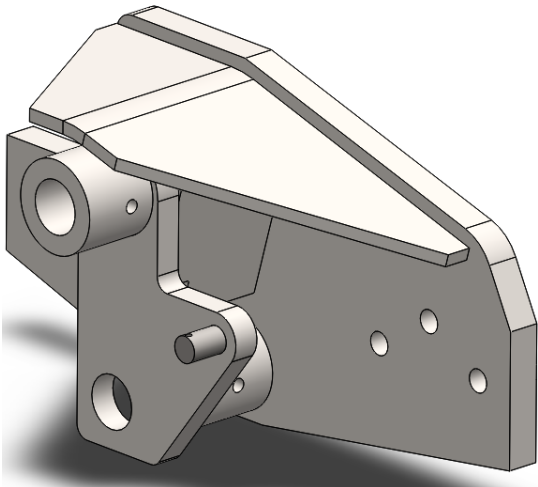
P26004 – Flat washer, (1) required

PLATFORM MOUNTING BRACKETS



BA-803-089 (left hand)

BA-803-092 (right hand)



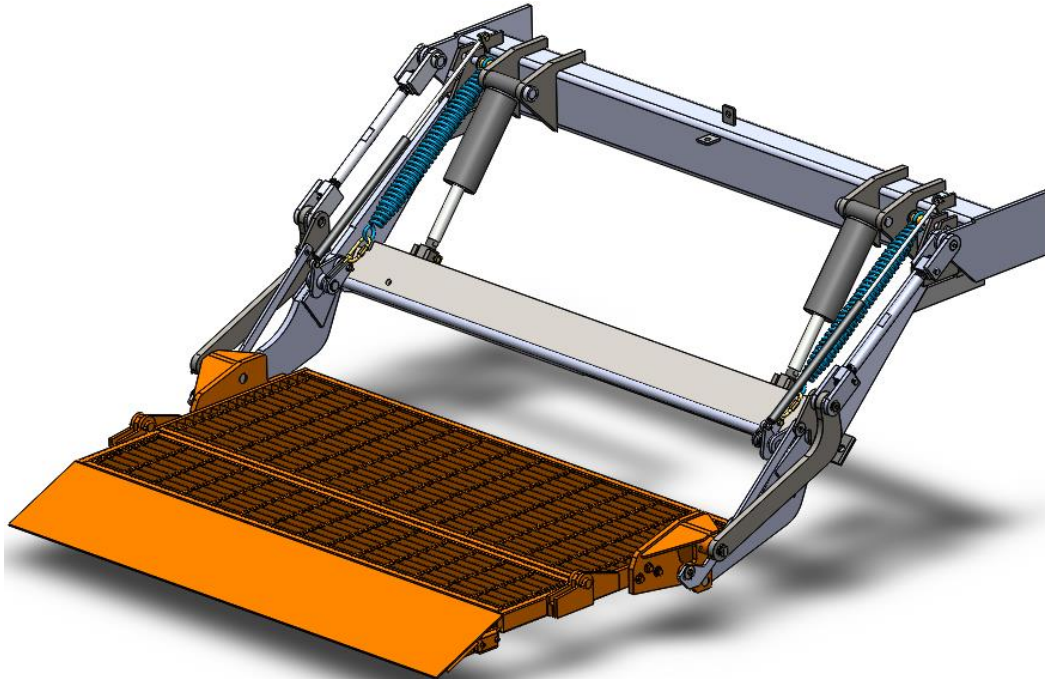
Related Parts (Available Separately - not shown or included with BA-803-089 or BA-803-092):

P11048 – $\varnothing 3/8"$ Hex head cap screw, (6) required

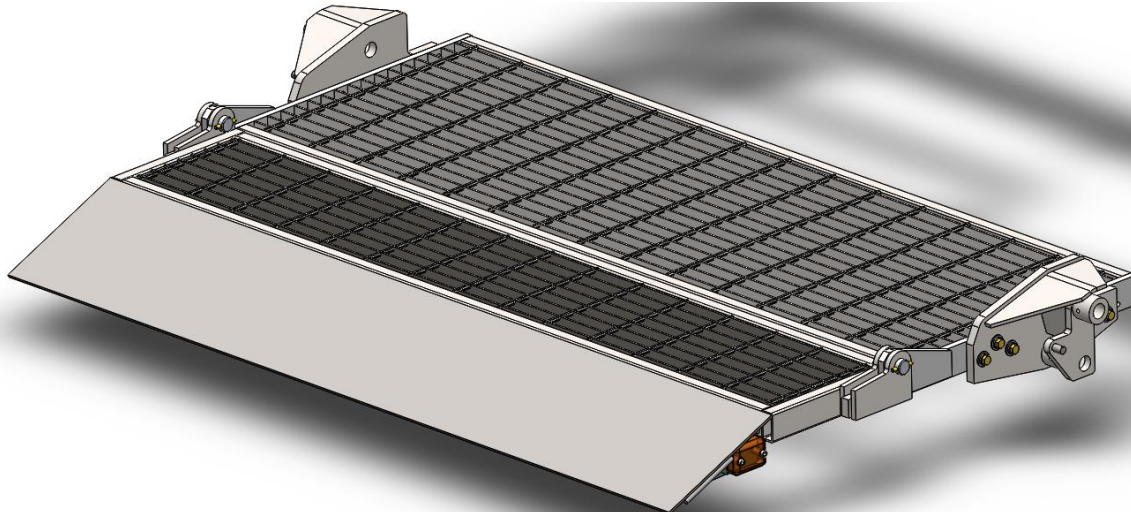
P26017 – $\varnothing 3/8"$ Split lock washer, (6) required

P26501 – $\varnothing 3/8"$ Flat washer, (6) required

COMPLETE PLATFORM ASSEMBLY



CA-803-197



Complete platform assembly includes everything shown above – LH/RH platform brackets & mounting hardware, pivot pins & roll pins, and flashing warning lights.
It does NOT include pins to attach the lifting arms to the platform mounting brackets.

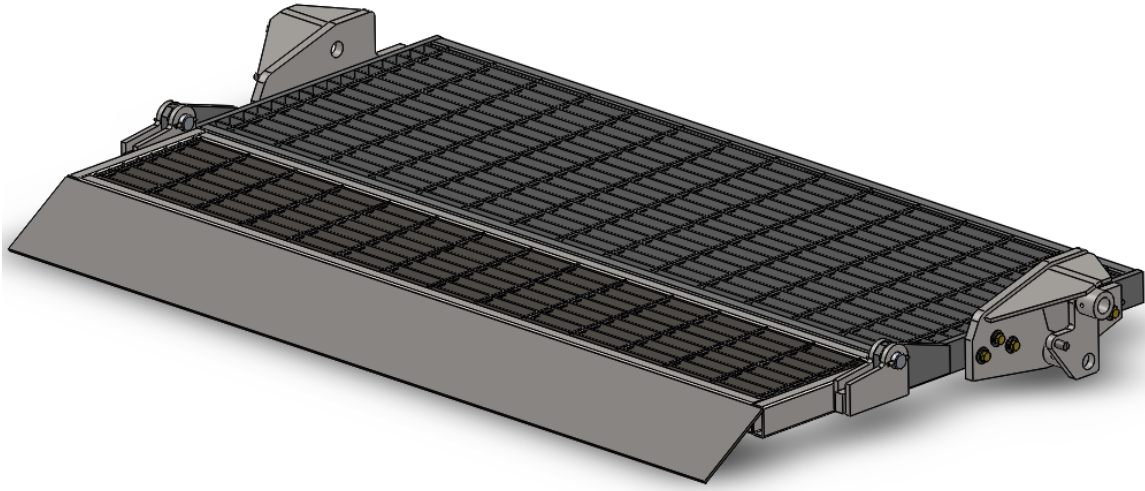
Related Parts (Available Separately):

- AP-800-236** – Pivot pin between primary/secondary platforms, (2) required
- P47531** – $\varnothing 1/4"$ Roll pin, (2) required for each pivot pin
- P46845S** – Battery operated flashing light, (2) required
- P15551** – $\varnothing 1/4"$ Socket head cap screw, (2) required for each flashing light
- P23502** – $\varnothing 1/4"$ Lock nut, (2) required for each flashing light

COMPLETE PLATFORM ASSEMBLY - cont

Complete Platform Assembly – used before 6/30/17

CA-803-101



Complete platform assembly includes everything shown above – LH/RH platform brackets & hardware, pivot pins & roll pins.

It does NOT include pins to attach the lifting arms to the platform mounting brackets. It also does not include the flashing warning lights that the current platform assembly has.

Related Parts (Available Separately):

AP-800-236 – Pivot pin between primary/secondary platforms, (2) required

P47531 – $\varnothing 1/4"$ Roll pin, (2) required for each pivot pin

If only the platforms are needed (without the hinge brackets), please use the following part numbers to order the platform as a set:

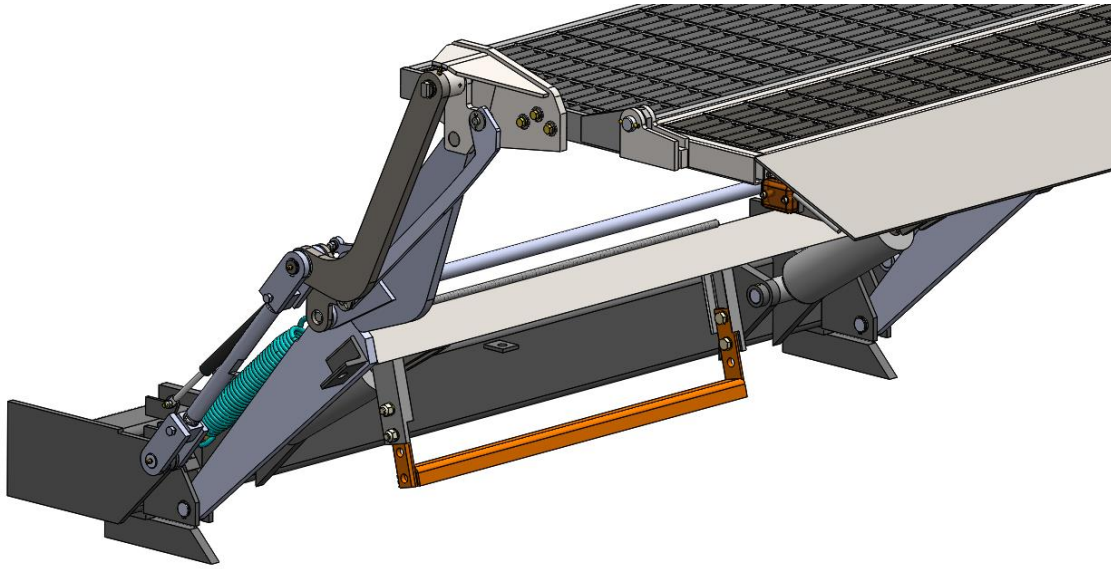
CG-803-098-GALV – Primary platform

Plus one of the following:

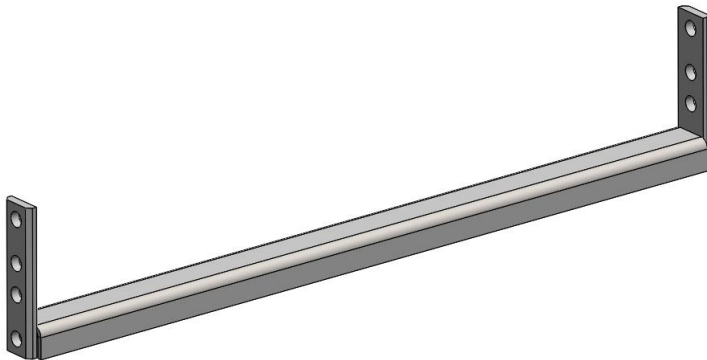
CG-803-195-GALV – Secondary platform (with longer ramp, used after 7/1/17)

CG-803-096-GALV – Secondary platform (with shorter ramp, used before 6/30/17)

ADJUSTABLE STEP ASSEMBLY



BA-803-186



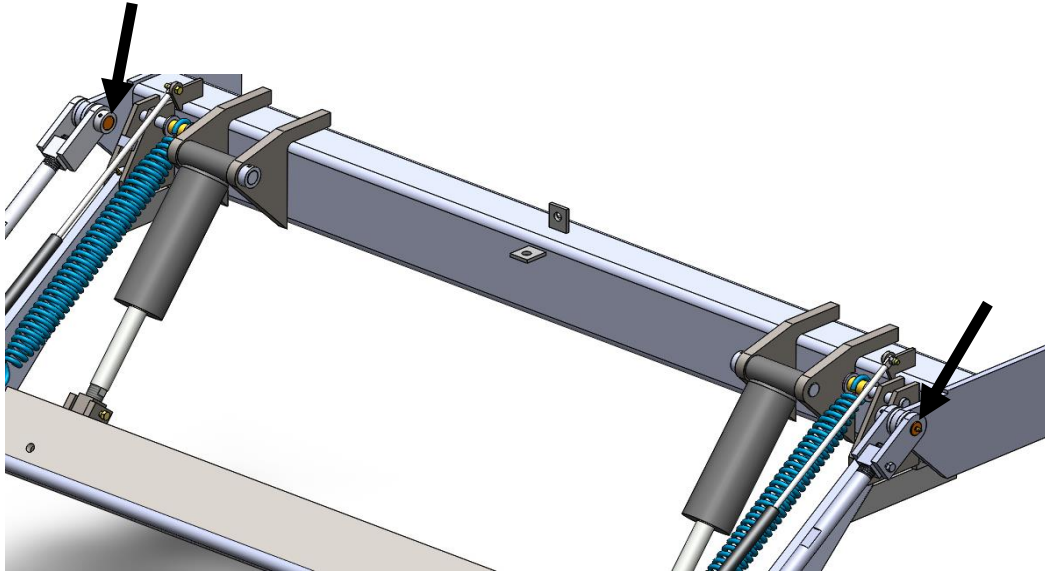
Related Parts (Available Separately – not shown or included with BA-803-186):

P11051 – $\varnothing 1/2"$ HHCS, (4) required

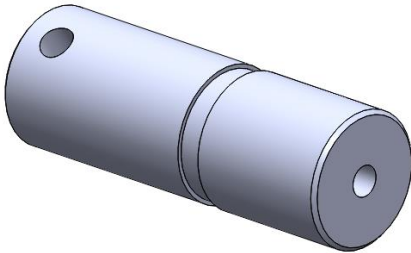
P23511 – $\varnothing 1/2"$ Lock nut, (4) required

P26519 – $\varnothing 1/2"$ Flat Washer, (8) required

UPPER TENSION ARM PINS AT TRUNION



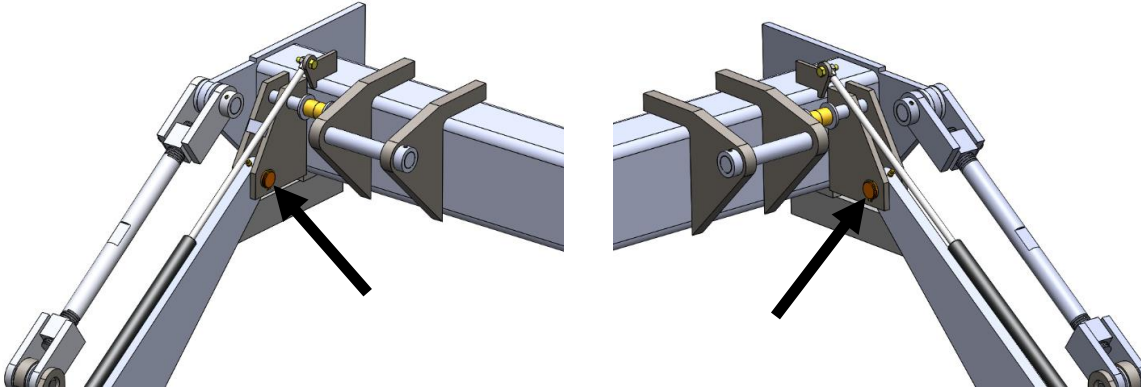
AP-803-107



Related Parts (Available Separately – not shown or included with AP-803-107):

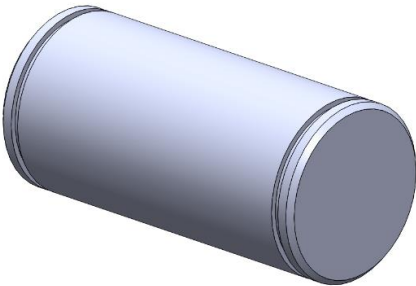
P32016 – Grease fitting, (1) required per pin

P47514 – $\varnothing 1/4"$ Roll pin, (1) required per pin

UPPER TENSION ARM PINS AT TRUNION - cont

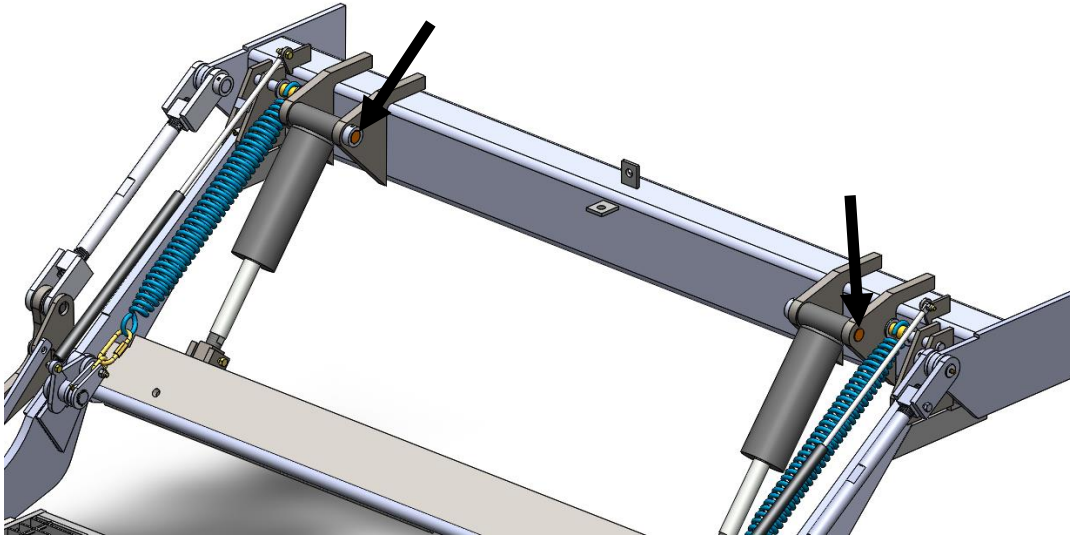
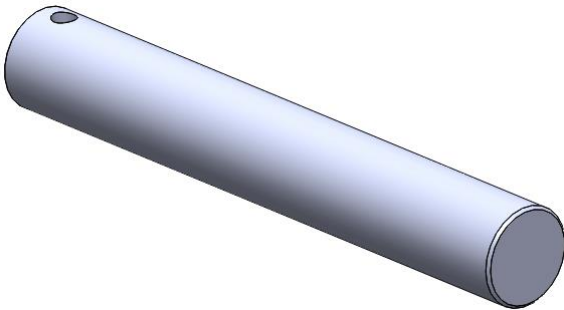
Note: cylinders and springs hidden from view

AP-803-106



Related Parts (Available Separately – not shown or included with AP-803-106):

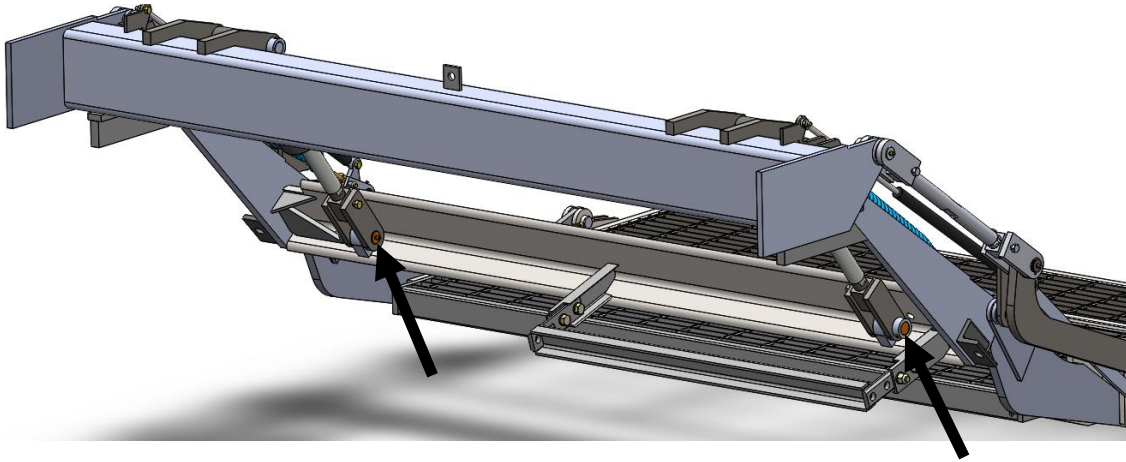
P24020 – 1" Retaining ring, (2) required per pin

UPPER TENSION ARM PINS AT TRUNION - cont**AP-803-108**

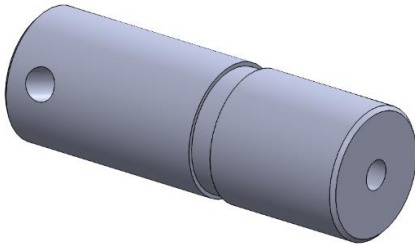
Related Parts (Available Separately – not shown or included with AP-803-108):

P47514 – $\varnothing 1/4"$ Roll pin, (1) required per pin

LOWER TENSION ARM PINS AT TRUNION



AP-803-107

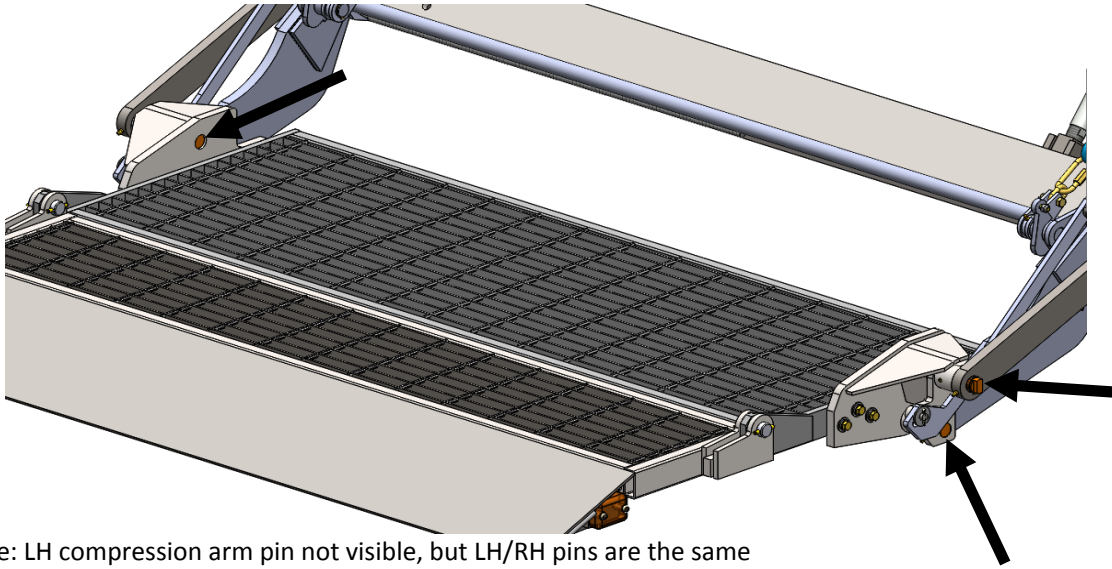


Related Parts (Available Separately – not shown or included with AP-803-107):

P32016 – Grease fitting, (1) required per pin

P47514 – $\varnothing 1/4"$ Roll pin, (1) required per pin

PLATFORM PINS



Note: LH compression arm pin not visible, but LH/RH pins are the same

BP-803-087 – Tension arm pin (top)

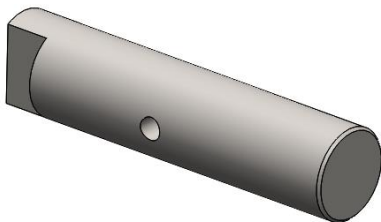


Related Parts (Available Separately – not shown or included with BP-803-087):

P24020 – 1" Retaining ring, (1) required

P47531 – $\varnothing 1/4"$ Roll pin, (1) required per pin

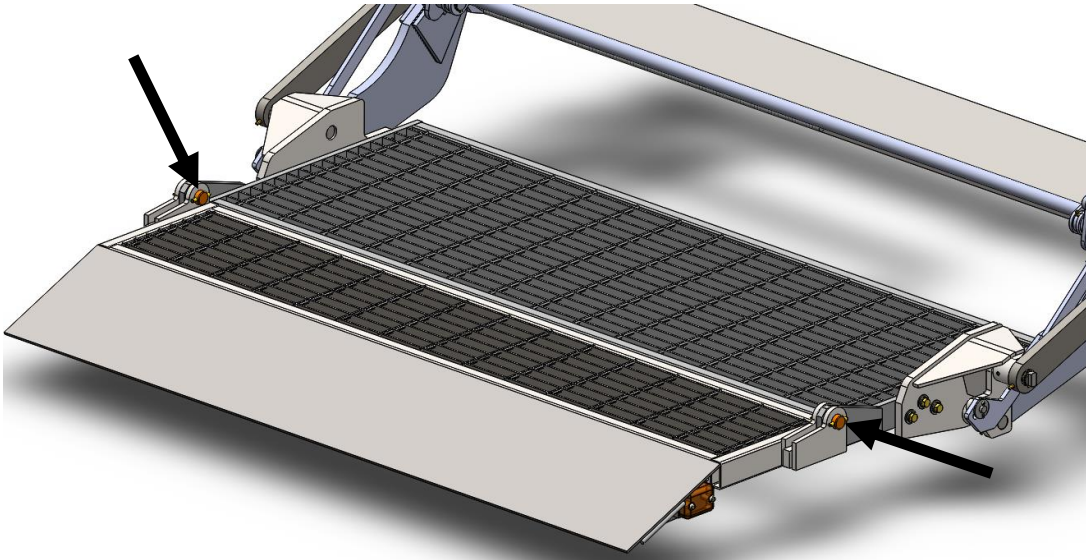
BP-803-093 – Compression arm pin (bottom)



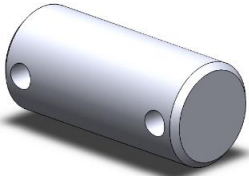
Related Parts (Available Separately – not shown or included with BP-803-093):

P47531 – $\varnothing 1/4"$ Roll pin, (1) required per pin

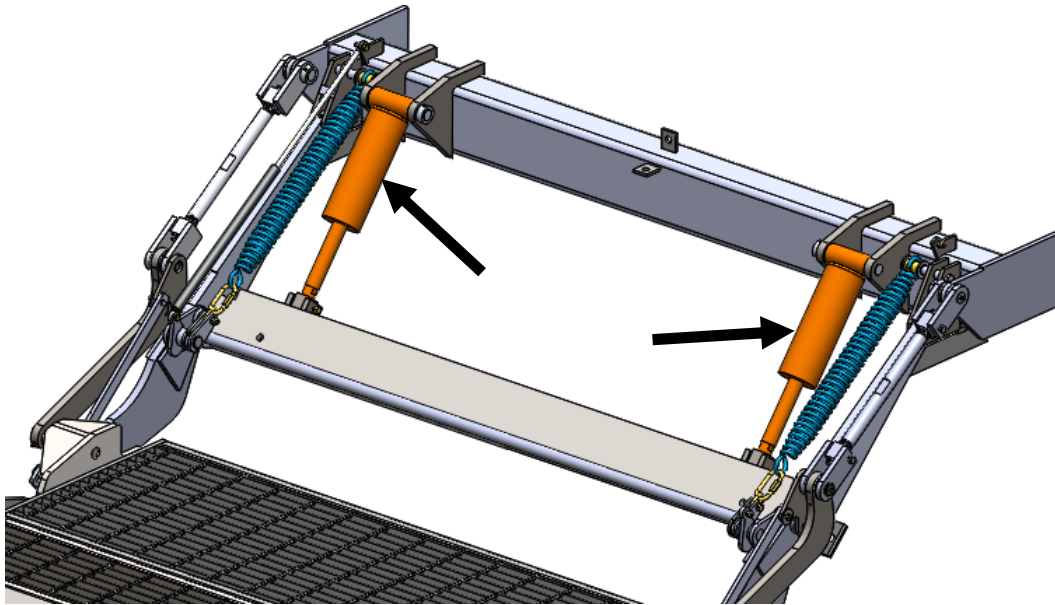
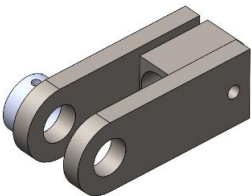
PRIMARY / SECONDARY PLATFORM PINS



AP-800-236

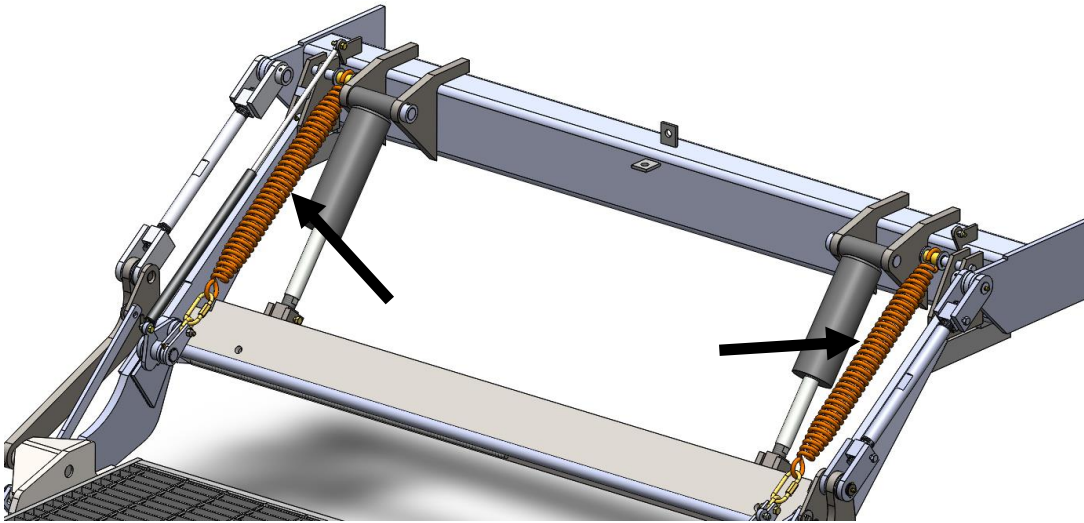


Related Parts (Available Separately – not shown or included with AP-800-236):
P47531 – $\varnothing 1/4"$ Roll pin, (2) required per pin

LIFTING CYLINDERS**P34169****BA-803-194** – cylinder clevis (not included with P34169 cylinder)

Related Parts (Available Separately – not shown or included with BA-803-194):

P10526 – $\varnothing 3/8"$ Hex head cap screw, (1) required per clevis**P47514** – $\varnothing 1/4"$ Roll pin, (1) required per clevis



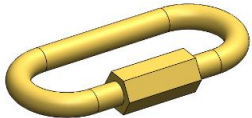
P25229



Note: the spring shown above is the current version, which is fully compatible with gates using older spring designs

Related Parts (Available Separately – not included with P25229):

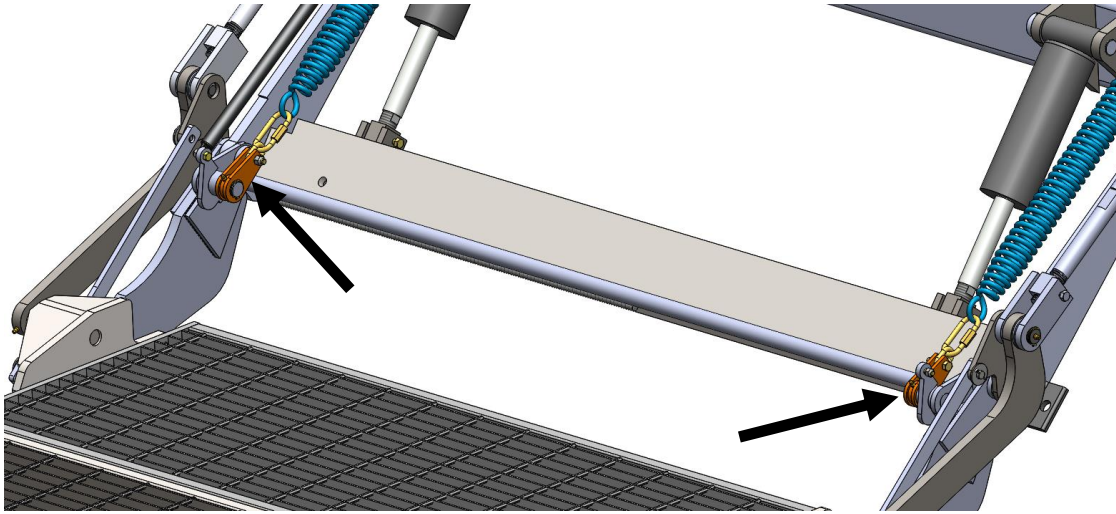
P38545 – Quick link, (1) used per spring



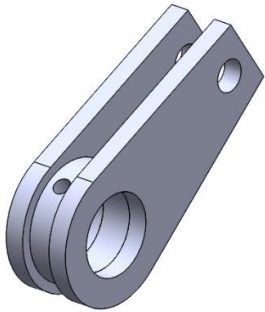
P38546 – Transport chain link, (1) used per spring



LOWER SPRING MOUNTING CLEVIS



BA-803-039



Related Parts (Available Separately – not shown or included with BA-803-039):

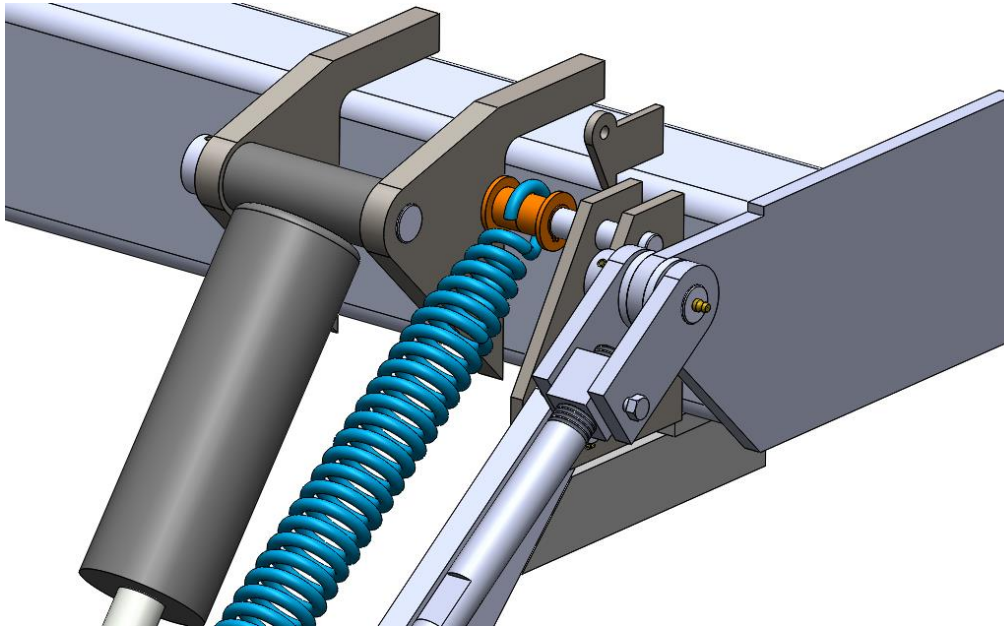
P11023 – $\varnothing 3/8$ " Hex head cap screw, (1) required per clevis

P23501 – $\varnothing 3/8$ " Lock nut, (1) required per clevis

P24020 – 1" Retaining ring, (1) required per clevis

P32016 – Grease fitting, (1) required per clevis

UPPER SPRING MOUNTING HARDWARE

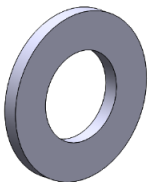


Related Parts (Available Separately):

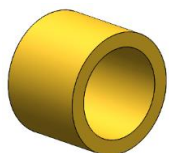
P24018 – 3/4" Retaining Ring, (2) required per side



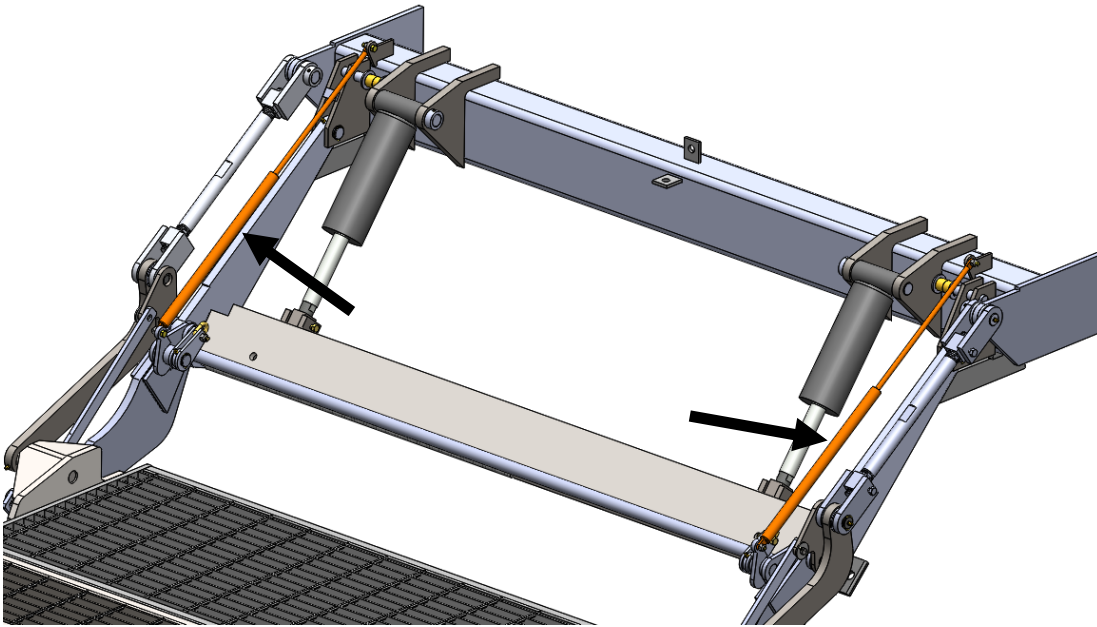
P26019 – flat washer, (2) required per side



P43618 – bushing, (2) required per side



GATE SPRING (MOUNTING DAMPERS)



Note: extension springs not shown

P34177

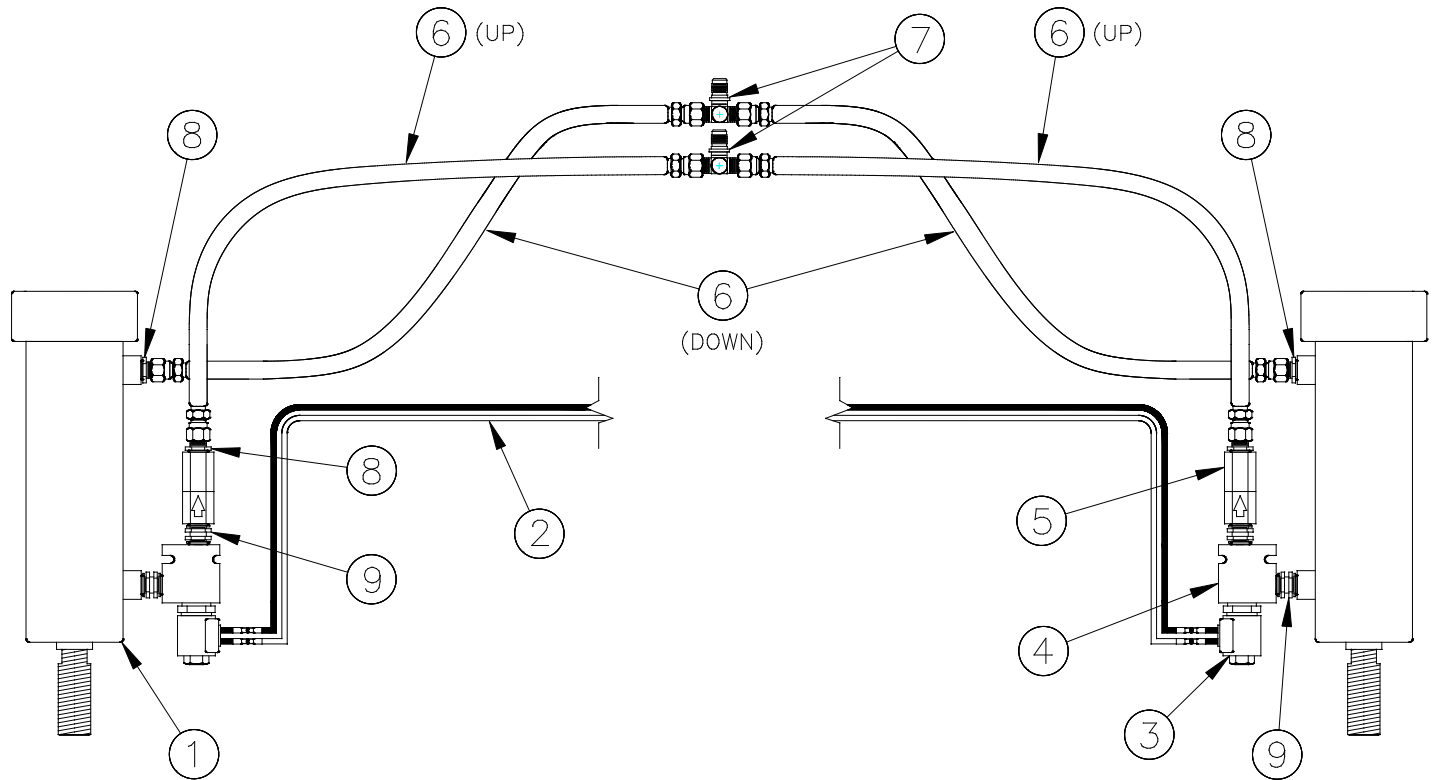


Related Parts (Available Separately – not shown or included with P34177):

P11055 – $\varnothing 5/16''$ Hex head cap screw, (2) required per gas spring

P23510 – $\varnothing 5/16''$ Lock nut, (2) required per gas spring

HOSES AND LOCK VALVES

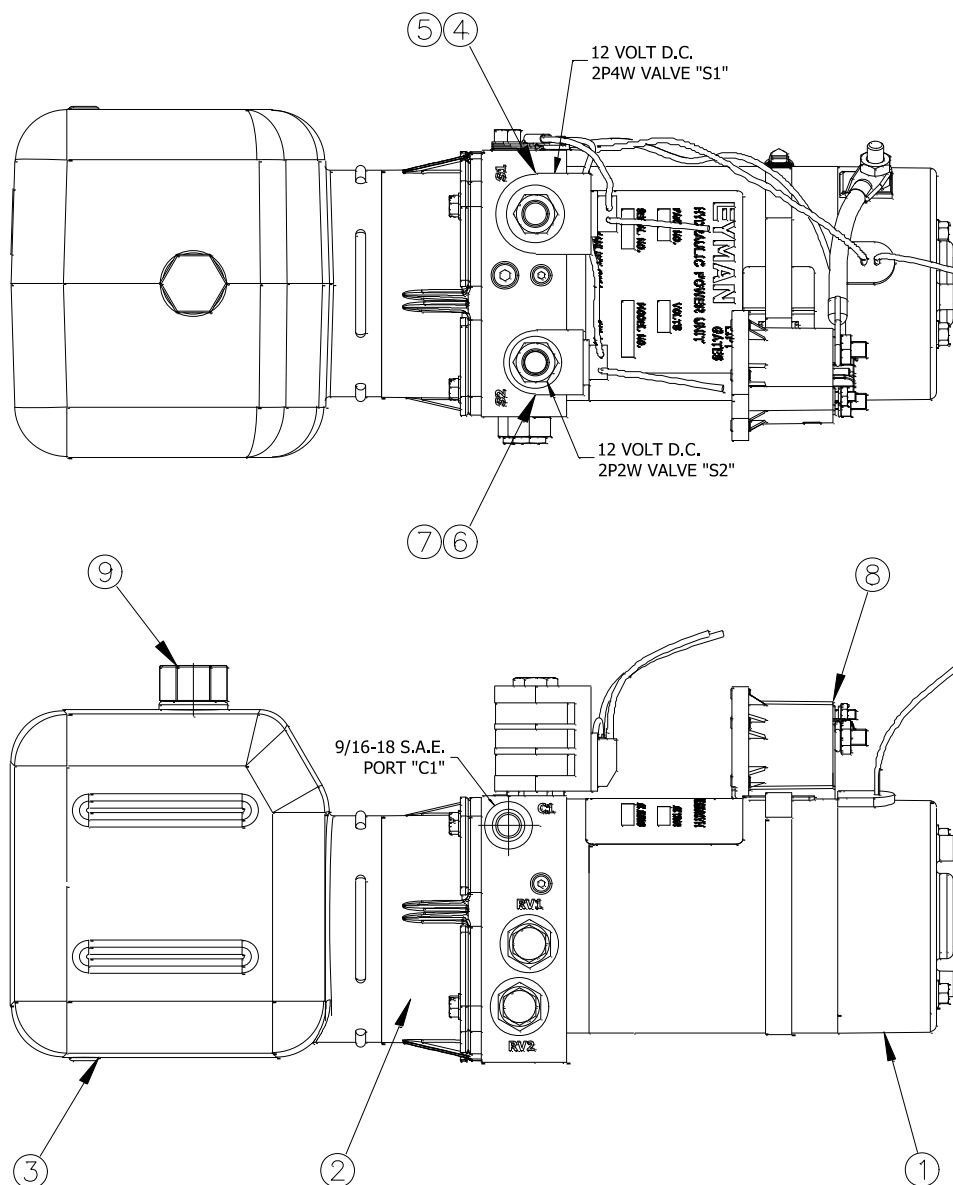


INDEX #	PART #	DESCRIPTION
1	P34169	Cylinder 3" Bore X 5-7/8" Stroke
2	BA-551-588	Lock Valves and Harn
3	P34091	Lock Valve (stem & coil only, no harness)
4	P34047	Valve Block
5	P34147	Flow Control 1.5 GPM
6	AT-501-354-023	Hydraulic Hose
7	P34105	Bulkhead Tee
8	P34044	Straight Adapt
9	P34050	Straight Nipple

**NOTE**

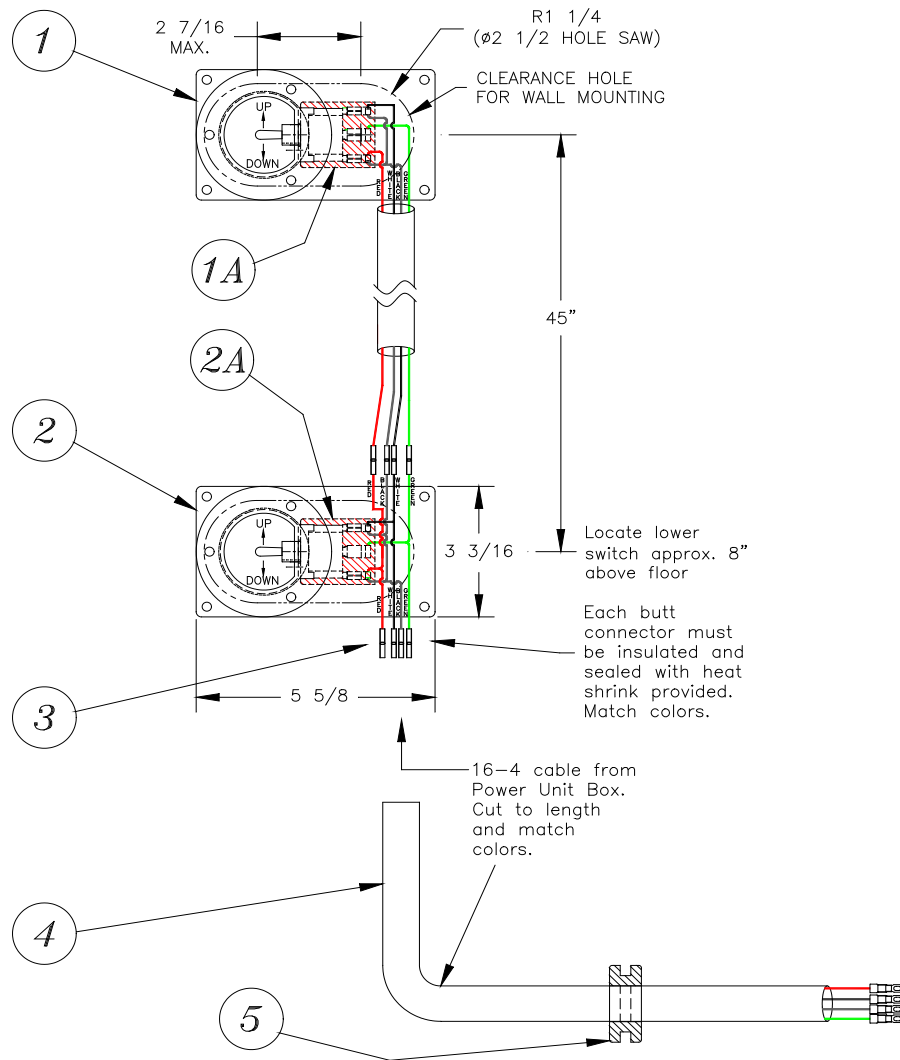
Parts are identical on LH/RH sides, however
BA-551-558 is complete for both sides

MTE POWER UNIT



INDEX #	PART #	DESCRIPTION
	P34219	Power Unit (complete)
1	P34221	Motor
2	P34222	Pump Kit
3	P34229	Reservoir Tank
4	P34230	C2 Valve Stem 2P4W
5	P34231	C2 Coil (Size 10)
6	P34232	C1 Valve Stem 2P2W
7	P34233	C1 Coil (Size 8)
8	P34016	Starter Solenoid
9	P34234	Breather Fill Cap

RECESSED SIDE MOUNT SWITCHES



INDEX #	PART #	DESCRIPTION
1	BA-551-566	Upper Up/Down Switch Assy (potted sw, recessed hsg, mtg plate)
1A	P46764	Upper Potted Switch only
2	BA-551-567	Lower Up/Down Switch Assy (potted sw, recessed hsg, mtg plate)
2A	P46765	Lower Potted Switch only
3	P46727	Heat Shrink 3/16 ID (1 1/2" per connection)
4	BA-551-561	16-4 Cable Assy with fork terminals at one end
5	P25181	C1 Grommet Stem 2P2W
Complete switch assembly containing all of the above items can be ordered under BA-551-568		

NOTES

[illegible]