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**MAXON<sup>®</sup>**

**COLUMNLIFT<sup>™</sup>  
BMR-CS**

This parts manual covers all BMR-CS's manufactured **October 2014 to September 2016**. If your model is older then please contact Maxon CS at 800.227.4116 or [parts@maxonlift.com](mailto:parts@maxonlift.com).



# FINAL ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016

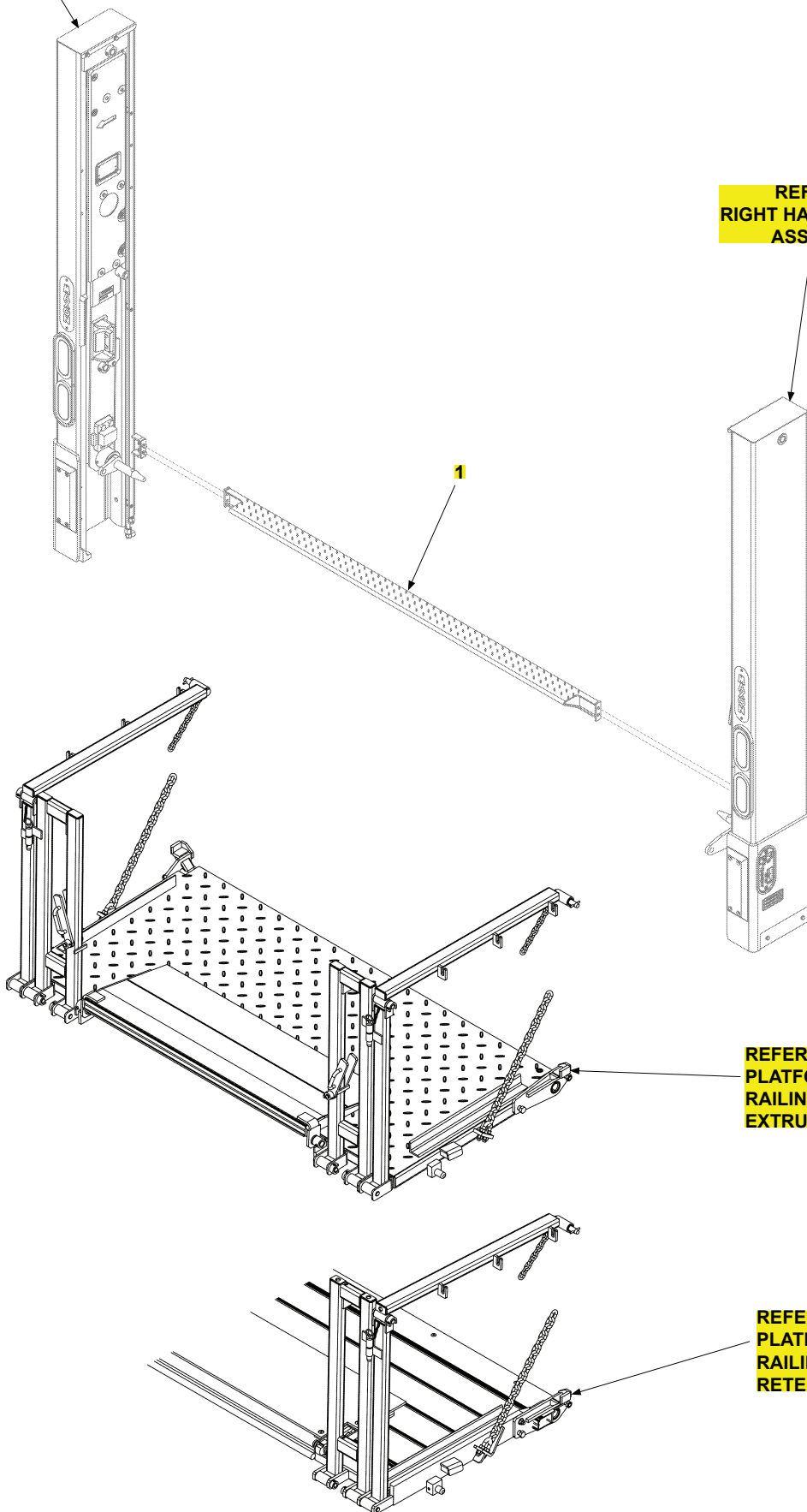
REFER TO  
LEFT HAND COLUMN  
ASSEMBLY

REFER TO  
RIGHT HAND COLUMN  
ASSEMBLY

1

REFER TO GALVANIZED  
PLATFORM ASSEMBLY WITH  
RAILINGS AND ALUMINUM  
EXTRUDED RAMP

REFER TO ALUMINUM  
PLATFORM ASSEMBLY WITH  
RAILINGS AND ALUMINUM  
RETENTION RAMP



**FINAL ASSEMBLY****LAST UPDATED  
OCT 2014 to SEPT 2016**

<b>ITEM</b>	<b>QTY.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
1	1	288790-51G	EXTENSION PLATE WELDMENT, 96", GALVANIZED
		288790-151	EXTENSION PLATE WELDMENT, 96", STAINLESS STEEL
		288790-61G	EXTENSION PLATE WELDMENT, 102", GALVANIZED
		288790-161	EXTENSION PLATE WELDMENT, 102", STAINLESS STEEL

# RIGHT HAND COLUMN ASSEMBLY

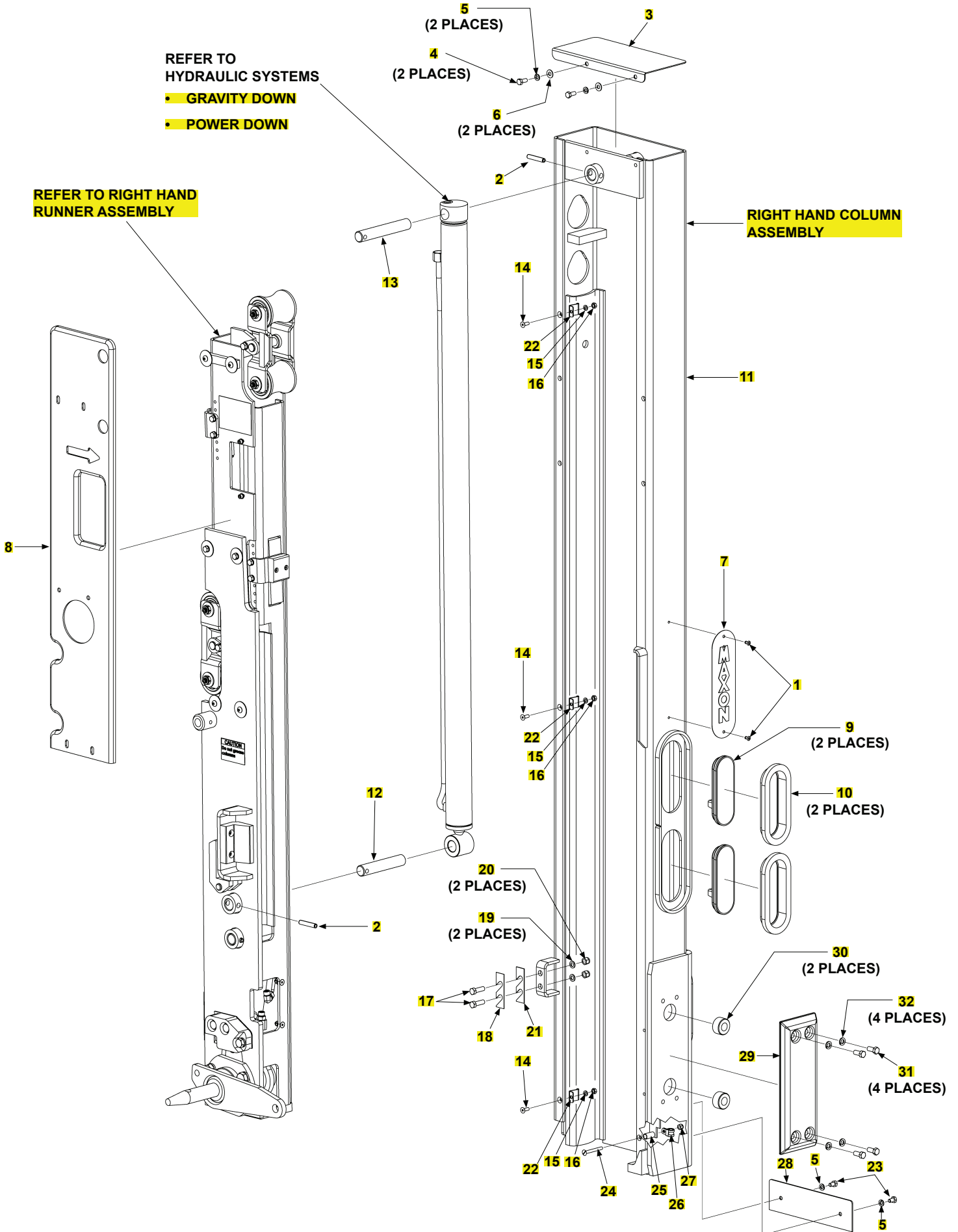
LAST UPDATED  
OCT 2014 to SEPT 2016

**NOTE:** Most hydraulic components not shown for clarity. Refer to **HYDRAULIC SYSTEMS** for hydraulic system parts.

REFER TO  
**HYDRAULIC SYSTEMS**

- GRAVITY DOWN
- POWER DOWN

REFER TO RIGHT HAND  
**RUNNER ASSEMBLY**



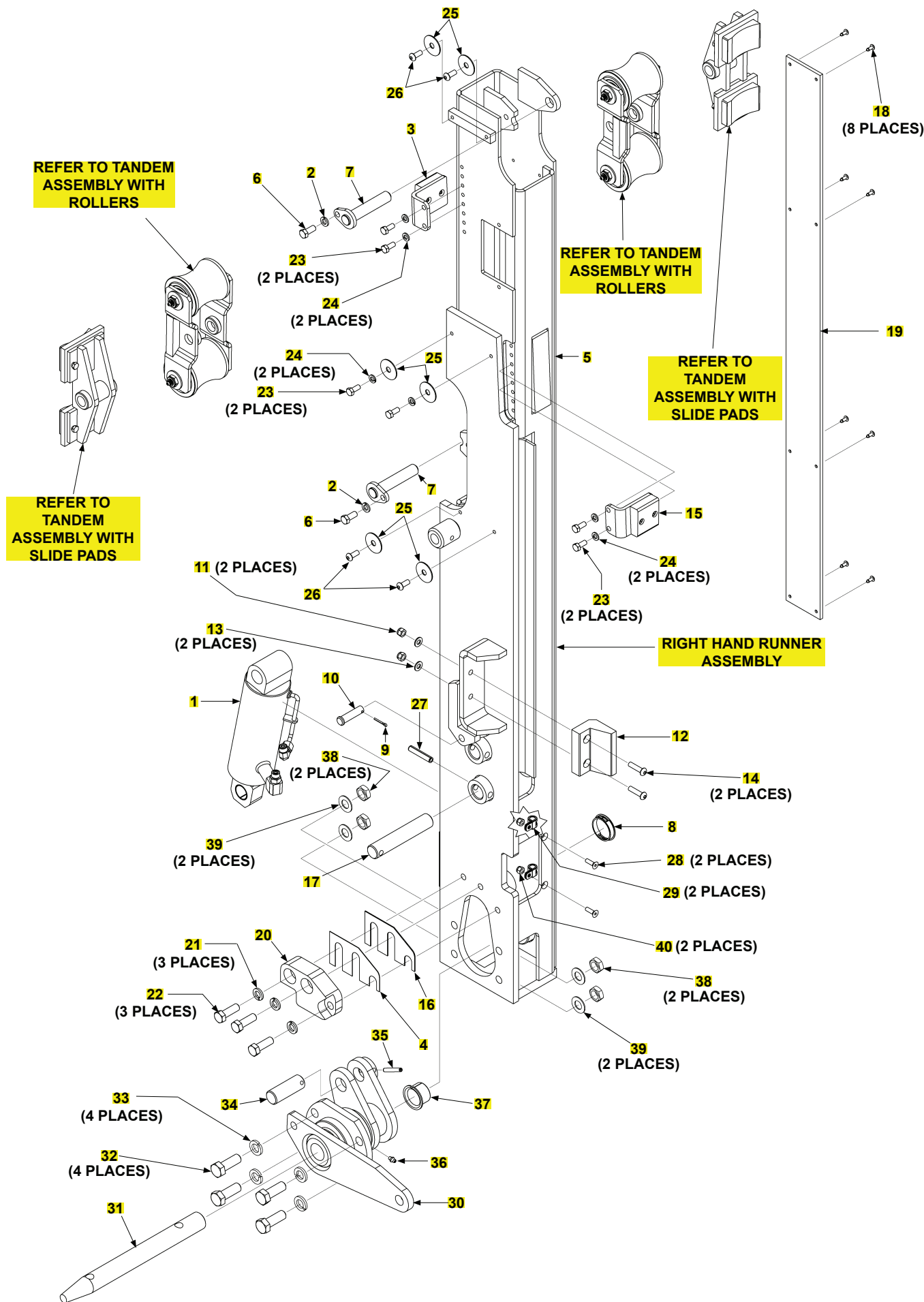
**RIGHT HAND COLUMN ASSEMBLY**

LAST UPDATED  
OCT 2014 to SEPT 2016

ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	287759-01G	COL ASSY BMRB-CS44,RH,12V,GALVANIZED,G/D,WITH ROLLERS
		287759-01G-100	COL ASSY BMRB-CS44,RH,12V,GALVANIZED,G/D,W/SLIDE PADS
		287759-11G	COL ASSY BMRB-CS44,RH,12V,GALVANIZED,P/D,WITH ROLLERS
		287759-11G-100	COL ASSY BMRB-CS44,RH,12V,GALVANIZED,P/D, W/SLIDE PADS
1	2	904005-2	RIVET,BLIND SSTL DOME.187X.565
2	2	904717-06	ROLL PIN, 3/8" X 2" LG.
3	1	295744-02	COVER, COLUMN TOP
		295744-12	COVER, COLUMN TOP (GALVANIZED)
4	2	901602-04	BOLT, HEX, 5/16"-18 X 3/4" LG.
5	4	902019-4	WASHER,LOCK S/ST .583ODX.322ID
6	2	903409-02	FENDER WASHER, 3/4" O.D. X 5/16" I.D.
7	1	260478	MAXON VERTICAL PLATE, 3" X 10-1/8" LG.
8	1	286327-01	COLUMN COVER, RH
9	2	285371-02	LED LIGHT, OVAL, RED
10	2	261687-01	GROMMET
11	1	287757-01G	COLUMN WELDMENT, BMR-CS, RH (GALVANIZED)
12	1	268068-05	PIN, STAINLESS STEEL, 1" O.D. X 5-3/8" LG.
13	1	268068-06	PIN, STAINLESS STEEL, 1" O.D. X 5-7/8" LG.
14	3	900711-03	SCREW, SOC FL .25-20X.75 SS
15	3	902019-3	LOCK WASHER, 1/2" O.D. X 1/4" I.D.
16	3	903107-03	HEX NUT, 1/4"-20
17	2	900014-5	HEX CAP SCREW, 3/8"-16 X 1-1/4" LG.
18	1	288799-01	SPACER, 1/16" THICK
19	2	903447-02	FLAT WASHER, 3/8" O.D. X 1/16" THICK
20	2	903134-01	NYLON NUT, INSRT STOP 3/8"-16
21	1	288799-02	SPACER, 1/32" THICK
22	3	286276-01	CLAMP
23	2	900009-4	CAP SCREW, 5/16"-18 X 1/2" LG.
24	1	260299	SLOTTED SCREW, FLAT, 1/4"-20 X 2-1/2" LG.
25	1	253621	BUSHING, 1/2" O.D. X 1/16" WIDE X 1" LG.
26	1	224006	RUBBER LOOM CLAMP, #6
27	1	901000	NYLON NUT, 1/4"-20
28	1	286265-01	COVER
29	1	286294-01	LOADING DOCK BUMPER, BLACK
30	2	289323-01	ROAD TUBE, 1-1/2" O.D. X 3/8" WIDE X 13/16" LG.
31	4	900764-05	SCREW, HEX CAP .38-16X.88, SS
32	4	902019-5	LOCK WASHER, 11/16" O.D. X 3/8"

# RIGHT HAND RUNNER ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016





**RIGHT HAND RUNNER ASSEMBLY**

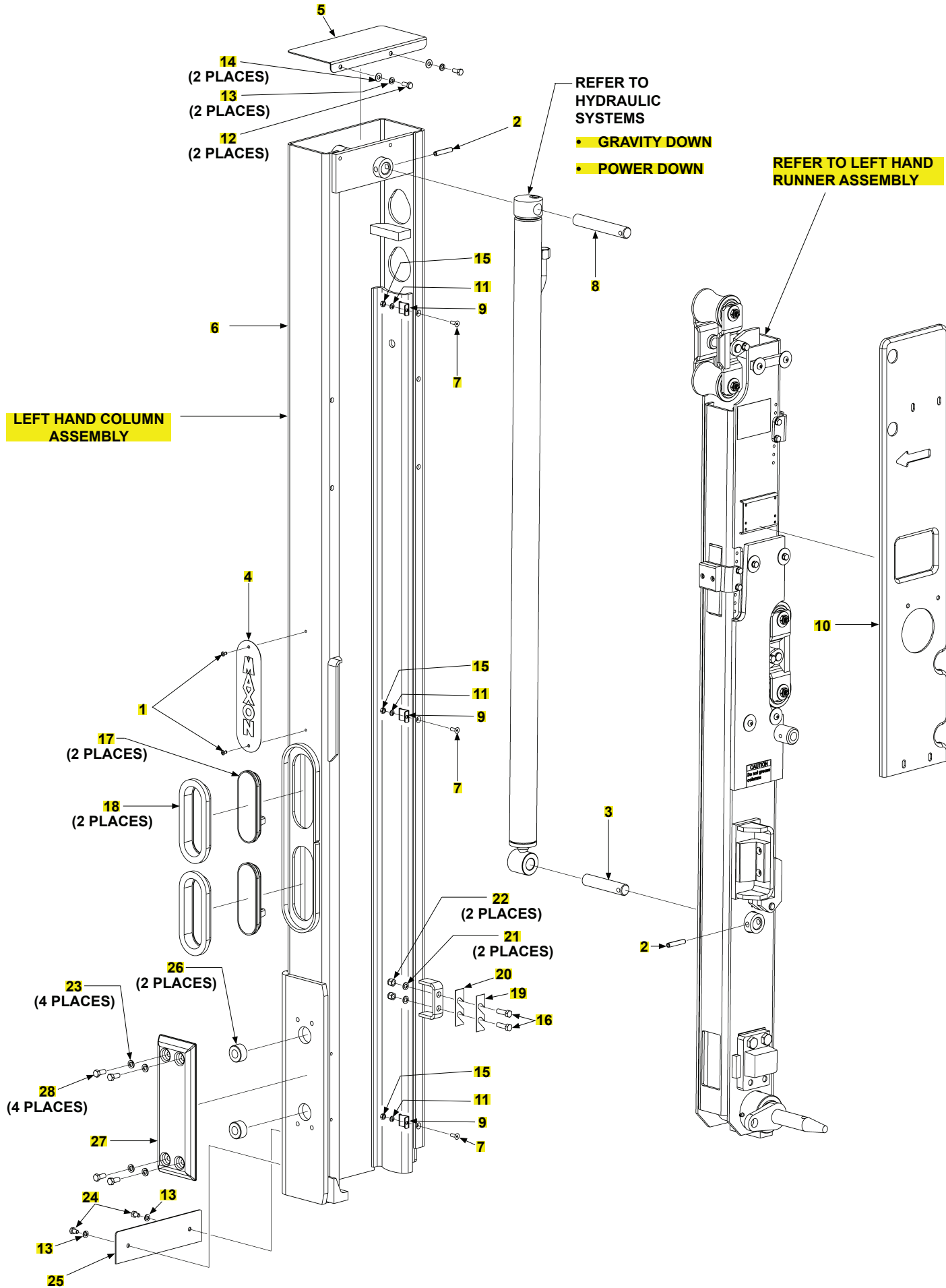
LAST UPDATED  
OCT 2014 to SEPT 2016

ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	287755-01G	RH RUNNER ASSEMBLY, BMR-CS, (GALVANIZED)
		287755-01G-100	RUNNER ASSY BMRB-CS,RH,GALV,W/SLDE PAD
1	1	286281-01	CYLINDER ASSEMBLY, 2-3/4" X 5-1/4" X 1-1/8"
2	2	902011-4	LOCK WASHER, 3/8"
3	1	287433-02	UPPER PAD ASSEMBLY, RH RUNNER
4	1	286759-02	SPACER, 1/32" THICK
5	1	287753-01G	RH RUNNER (GALVANIZED)
6	2	900764-05	HEX HEAD CAP SCREW, 3/8"-16 X 7/8" LG.
7	2	280067	ARM WELDMENT
8	1	908081-09	PLUG, NYLON
9	1	030805	COTTER PIN, 1/8"DIAX1.00
10	1	905136-01	PIN, CLEVIS .5 X 1.906 GR8
11	2	903106-10	NYLON LOCK NUT, 5/16"-18
12	1	288940-01	BUMPER, PLATFORM STOP
13	2	902013-10	FLAT WASHER, 5/16"
14	2	900001-4	BUTTON HEAD SCREW, 5/16"-18 X 1-1/4" LG.
15	1	287434-02	LOWER PAD SUPPORT ASSEMBLY
16	1	286759-01	SPACER, 1/16" THICK
17	1	268068-05	PIN, 1" O.D. X 5-3/8" LG.
18	8	904005-2	POP RIVET, 3/16" X 9/16" LG.
19	1	253543	PAD
20	1	286226-02	HOLDER CASTING, RUNNER RH, BLACK
21	3	902011-6	LOCK WASHER, 1/2" X 1/8"
22	3	900035-3	CAP SCREW, HEX HEAD 1/2"-13 X 1-1/2" LG.
23	6	901602-04	HEX BOLT, 5/16"-18 X 3/4" LG.
24	6	902019-4	LOCK WASHER, 9/16" X 5/16"
25	6	902008	FENDER WASHER, 1-1/2" X 13/32" X 1/16"
26	4	900763-04	BUTTON SCREW, 5/16"-18 X 3/4" LG.
27	1	904717-06	ROLL PIN, 3/8" X 2" LG.
28	2	900711-04	SOCKET SCREW, FLUSH 1/4"-20 X 7/8" LG.
29	2	224006	CLAMP, RUBBER LOOM, #6
30	1	286315-01	PLATFORM FOLDING ARMATURE
31	1	280103	PIN, 13" LG.
32	4	900055-03	HEX HEAD SCREW, 5/8"-11 X 1-3/4" LG.
33	4	902011-8	LOCK WASHER, 5/8" X 3/16" THICK
34	1	286269-01	PIN, 1" O.D. X 2-3/4" LG.
35	1	905033-4	ROLL PIN, 1/4" O.D. X 1-3/4" LG.
36	1	224342	GREASE FITTING
37	1	286759-01	BEARING, FLANGED, 1-1/4" DIA. X 1" LG.
38	4	030331	JAM NUT, 5/8"-11
39	4	902000-18	FLAT WASHER, 5/8" X 1/16" THICK
40	2	903137-01	NUT, NYL INSRT STOP .25-20 SS

# LEFT HAND COLUMN ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016

**NOTE:** Most hydraulic components not shown for clarity. Refer to **HYDRAULIC SYSTEMS** for hydraulic system parts.





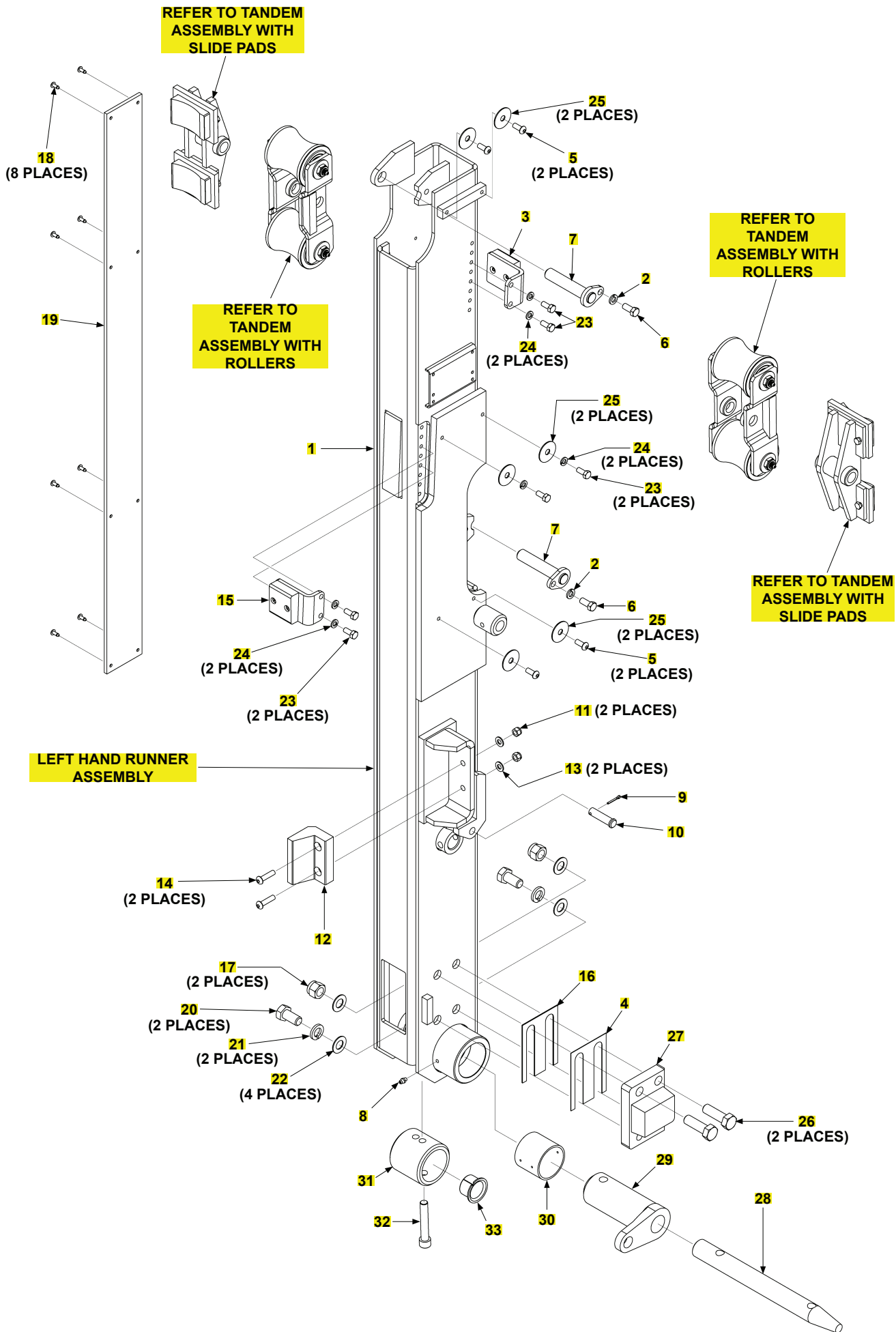
## LEFT HAND COLUMN ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016

ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	287758-01G	COL ASSY BMRB-CS44,LH,12V,GALVANIZED,WITH ROLLERS
		287758-01G-100	COL ASSY BMRB-CS44,LH,12V,GALVANIZED,W/SLIDE PADS
1	2	904005-2	RIVET,BLIND SSTL DOME.187X.565
2	2	904717-06	ROLL PIN, 3/8" X 2" LG.
3	1	268068-07	PIN, STAINLESS STEEL, 1" O.D. X 4-5/16" LG.
4	1	260478	MAXON VERTICAL PLATE, 3" X 10-1/8" LG.
5	1	295744-01	COLUMN COVER, TOP
		295744-11	COLUMN COVER, TOP (GALVANIZED)
6	1	287756-01G	COLUMN WELDMENT, LH (GALVANIZED)
7	3	900711-03	SOCKET SCREW, FLUSH, 1/4"-20 X 3/4" LG.
8	1	268068-06	PIN, STAINLESS STEEL, 1" O.D. X 5-7/8" LG.
9	3	286276-01	CLAMP
10	1	286326-01	COVER COLUMN LH
11	3	902019-3	LOCK WASHER, 1/2" O.D. X 1/4" I.D.
12	2	901602-04	HEX BOLT, 5/16"-18 X 3/4" LG.
13	4	902019-4	LOCK WASHER, 9/16" O.D. X 5/16" I.D.
14	2	903409-02	FENDER WASHER, 3/4" O.D. X 5/16" I.D.
15	3	903107-03	HEX NUT, 1/4"-20
16	2	900014-5	HEX HEAD CAP SCREW, 3/8"-16 X 1-1/4" LG.
17	2	285135-01	LED LIGHT, OVAL, RED
18	2	261687-01	GROMMET
19	1	288799-02	SPACER, 1/32" THICK
20	1	288799-01	SPACER, 1/16" THICK
21	2	903447-02	FLAT WASHER, 3/8" O.D. X 1/16" THICK
22	2	903134-01	NYLON LOCK NUT, 3/8"-16
23	4	902019-5	LOCK WASHER, 11/16" O.D. X 3/8" I.D.
24	2	900009-4	CAP SCREW, 5/16"-18 X 1/2" LG.
25	1	286265-01	COVER
26	2	289323-01	ROUND TUBE, 1-1/2" O.D. X 3/8" WIDE X 13/16" LG.
27	1	286294-01	LOADING DOCK BUMPER, BLACK
28	4	900764-05	SCREW, HEX CAP .38-16X.88, SS

# LEFT HAND RUNNER ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016



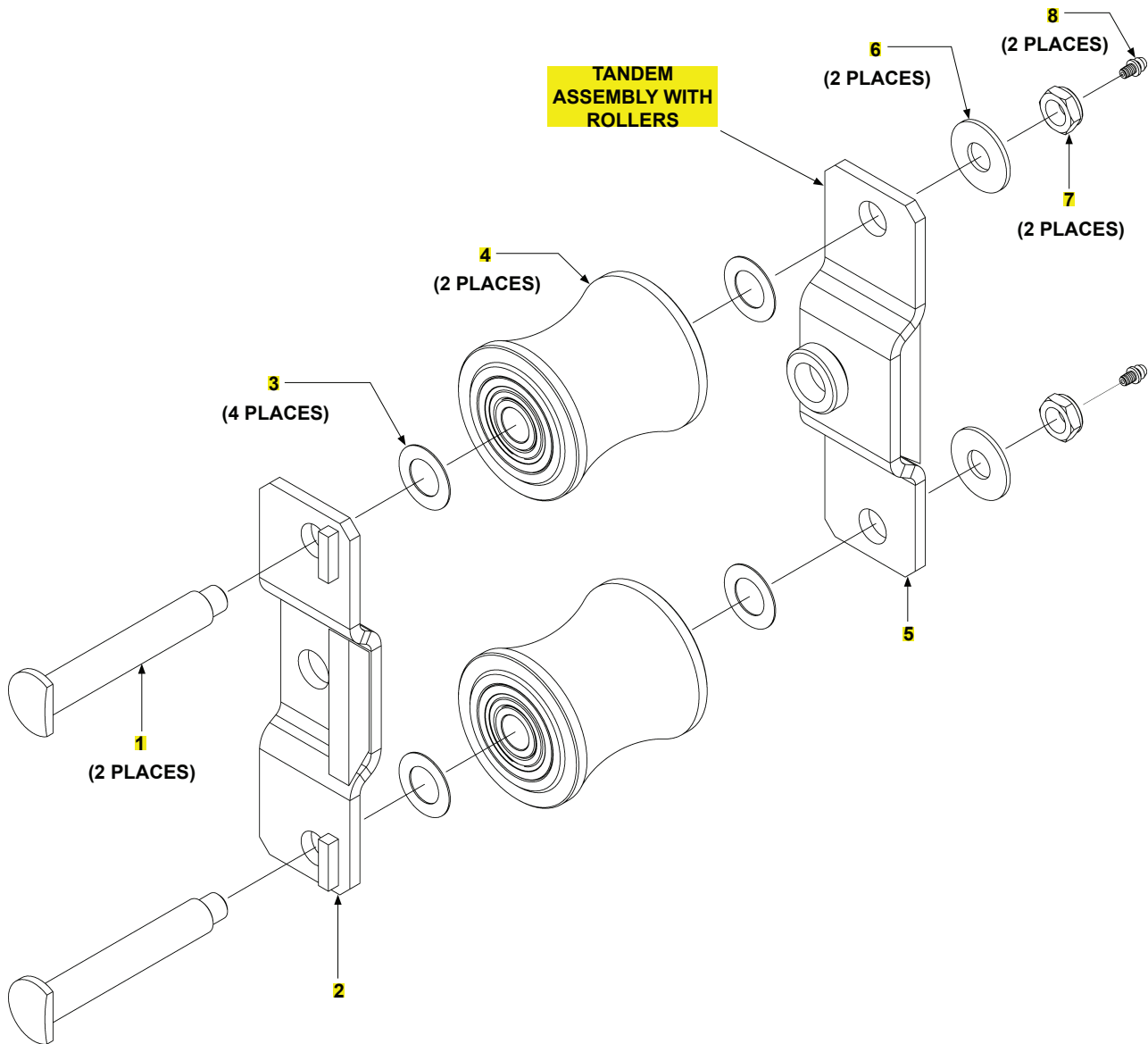
## LEFT HAND RUNNER ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016

ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	287754-01G	LH RUNNER ASSEMBLY (GALVANIZED),WITH ROLLERS
		287754-01G-100	RUNNER ASSY BMRB-CS,LH,GALV,W/SLDE PAD
1	1	287752-01G	LH RUNNER (GALVANIZED)
2	2	902011-4	LOCK WASHER, 3/8"
3	1	287433-01	UPPER PAD ASSEMBLY, LH RUNNER
4	1	288798-02	SPACER, 1/32" THICK
5	4	900763-04	BUTTON SCREW, 5/16"-18 X 3/4" LG.
6	2	900764-05	HEX HEAD CAP SCREW, 3/8"-16 X 7/8" LG.
7	2	280067	ARM WELDMENT
8	1	224342	GREASE FITTING, 1/4", SELF DRILLING
9	1	030805	COTTER PIN, 1/8"DIAX1.00
10	1	905136-01	PIN, CLEVIS .5 X 1.906 GR8
11	2	903106-10	NYLON LOCK NUT, 5/16"-18
12	1	288940-01	BUMPER, PLATFORM STOP
13	2	902013-10	FLAT WASHER, 5/16"
14	2	900001-4	BUTTON HEAD SCREW, 5/16"-18 X 1-1/4" LG.
15	1	287434-01	LOWER PAD ASSEMBLY, LH RUNNER
16	1	288798-01	SPACER, 1/16" THICK
17	2	040156	LOCK NUT, 5/8"-11
18	8	904005-2	POP RIVET, 3/16" X 9/16" LG.
19	1	253543	PAD
20	2	900055-1	HEX HEAD SCREW, 5/8"-11 X 1-1/4" LG.
21	2	902019-9	LOCK WASHER, 1-1/16" O.D. X 5/8 I.D.
22	4	902000-18	FLAT WASHER, 5/8" X 1/16" THICK
23	6	901602-04	HEX BOLT, 5/16"-18 X 3/4" LG. X 2" LG.
24	6	902019-4	LOCK WASHER, 9/16" X 5/16"
25	6	902008	FENDER WASHER, 1-1/2" X 13/32" X 1/16"
26	2	900055-04	HEX HEAD SCREW, 5/8"-11
27	1	288801-02	STOP BLOCK CASTING, BLACK
28	1	280103	PIN, 13" LG.
29	1	280623-01	LH COUPLING, MACHINED
30	1	908011-01	BEARING, 2-1/2" O.D. X 2-1/4" I.D. X 2-1/8" LG.
31	1	253696	PIN COLLAR, 2-5/16" I.D. X 2-3/4" LG.
32	1	908007-04	SOCKET HEAD SCREW, 1/2"-20 X 3" LG.
33	1	900037-11	FLANGE BEARING, 1-1/25" X 1" LG.

# TANDEM ASSEMBLY WITH ROLLERS

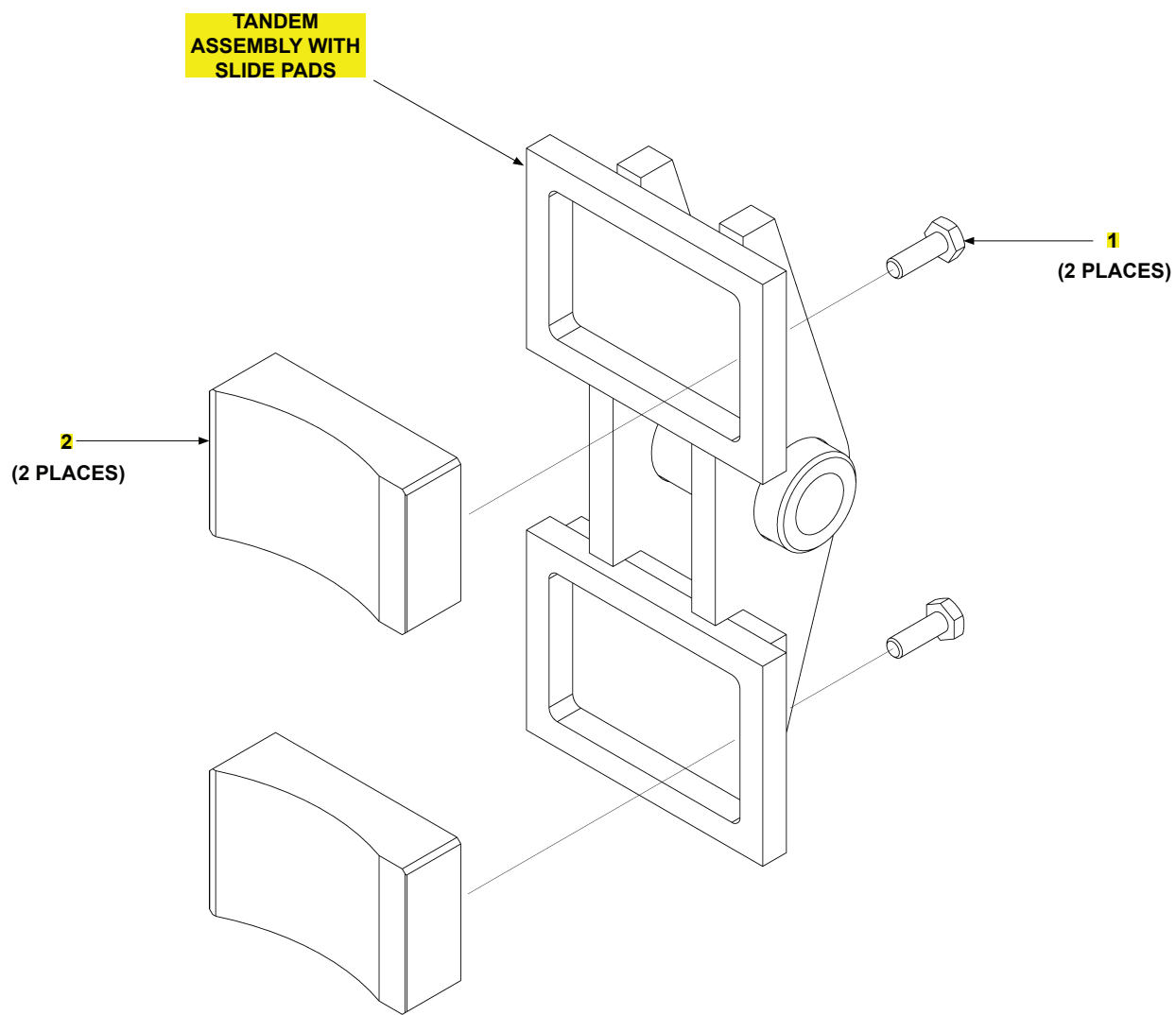
LAST UPDATED  
OCT 2014 to SEPT 2016



ITEM	QTY.	PART NO.	DESCRIPTION
REF	2	286234-01	TANDEM ASSEMBLY, BMRB
1	2	268899-01	ROLLER AXLE
2	1	288956-01	OUTER BRACKET
3	4	261182	FLAT WASHER, .72" I.D. X 1-1/4" O.D. STAINLESS STEEL
4	2	268899-01	ROLLER
5	1	286308-01	INNER BRACKET
6	2	902014	FLAT WASHER, 5/8" I.D. X 1-3/8" O.D.
7	2	901016-1	LOCK NUT, THIN HEAD, 1/2"-20
8	2	268264-02	GREASE FITTING, DRIVE-IN, 3/16"

TANDEM ASSEMBLY WITH SLIDE PADS

LAST UPDATED  
OCT 2014 to SEPT 2016



ITEM	QTY.	PART NO.	DESCRIPTION
REF	2	287655-01	TANDEM ASSEMBLY WITH SLIDE PADS
1	2	900004-2	CAP SCREW, 1/4" -20 X 3/4" LG, GRADE 8
2	2	287657-01	SLIDE PAD

# GALVANIZED PLATFORM ASSEMBLY WITH RAILINGS AND ALUMINUM EXTRUDED RAMP

LAST UPDATED  
OCT 2014 to SEPT 2016

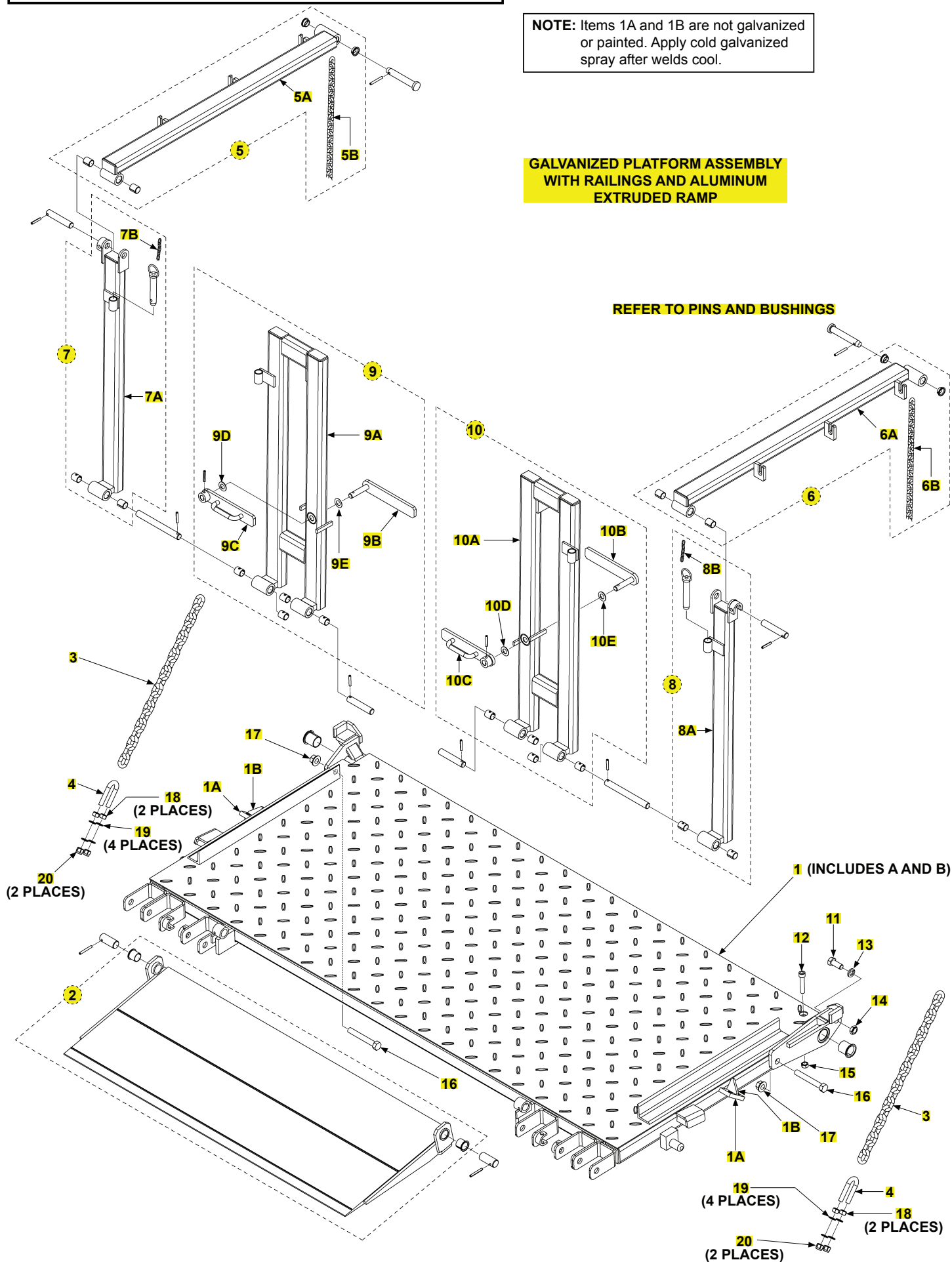
## ⚠ CAUTION

MAXON recommends replacing Left Hand & Right Hand platform support chains as a set. Possible harm to users or bystanders and/or equipment damage could result if chains are only replaced one at a time.

NOTE: Items 1A and 1B are not galvanized or painted. Apply cold galvanized spray after welds cool.

## GALVANIZED PLATFORM ASSEMBLY WITH RAILINGS AND ALUMINUM EXTRUDED RAMP

REFER TO PINS AND BUSHINGS



**GALVANIZED PLATFORM ASSEMBLY WITH RAILS AND ALUMINUM EXTRUDED RAMP**

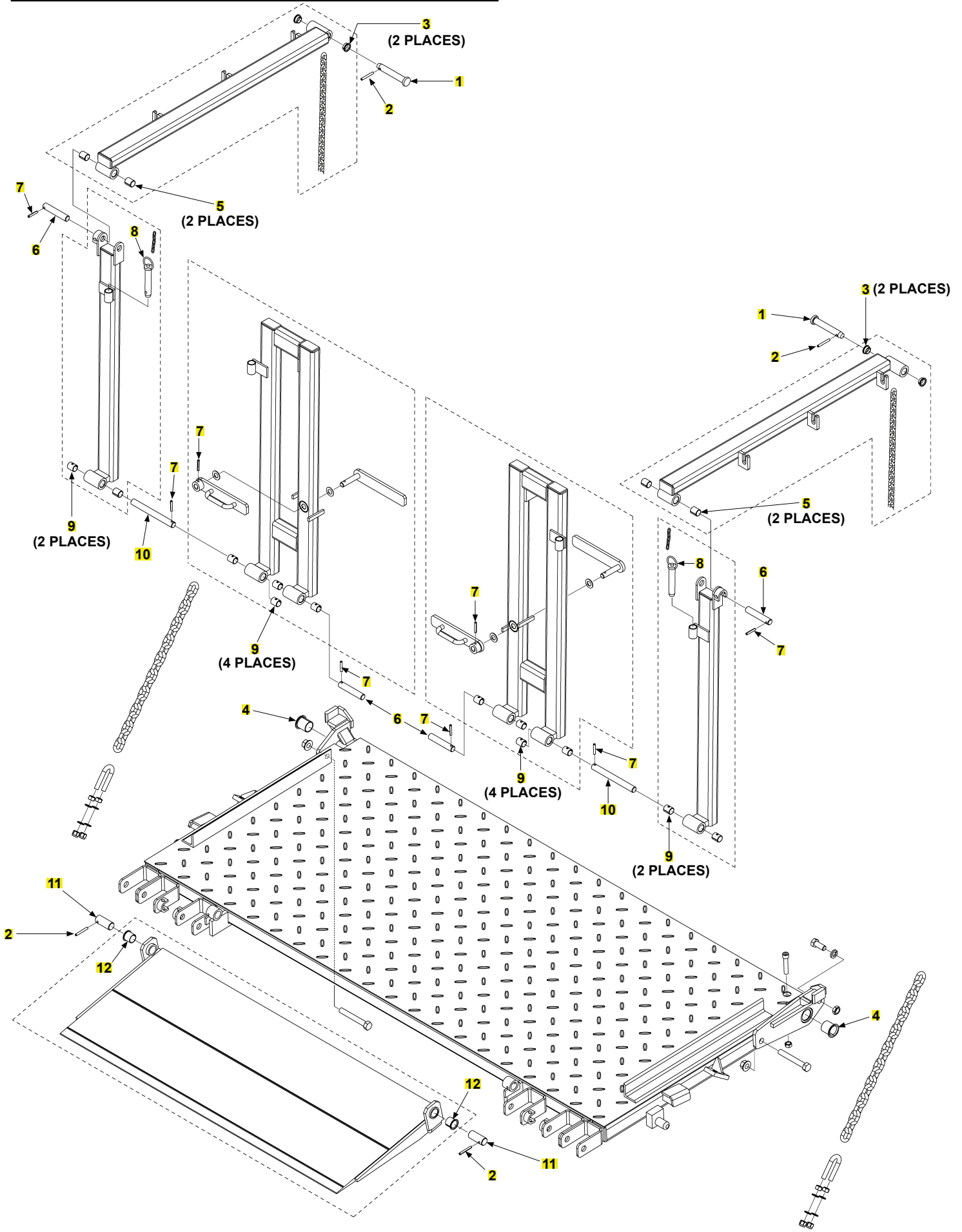
LAST UPDATED  
OCT 2014 to SEPT 2016

ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	287740-422G	P/F ASSY BMRB-CS,ST80X36+18AER,GALV
		287740-423G	P/F ASSY BMRB-CS,ST80X42+18AER,GALV
		287740-432G	P/F ASSY BMRB-CS,ST85X36+18AER,GALV
		287740-433G	P/F ASSY BMRB-CS,ST85X42+18AER,GALV
1	1	287739-01G	P/F WLDMT BMRB-CS,ST80X36,GALV
		287739-02G	P/F WLDMT BMRB-CS,ST80X42,GALV
		287739-03G	P/F WLDMT BMRB-CS,ST85X36,GALV
		287739-04G	P/F WLDMT BMRB-CS,ST85X42,GALV
1A	2	282965-01	HOLDER, U-BOLT
1B	2	282966-01	GUSSET
2	1	280586-01	RAMP BMRA-CS EXTRUDED
3	2	282866-06	CHAIN, GALV, .38 X 24.38 LG
4	2	282854-01	U-BOLT
5	1	287882-01G	HORIZ RAIL ASSY BMRB-CS,LH 36"P/F,GALV
		287882-03G	HORIZ RAIL ASSY BMRB-CS,LH 42"P/F,GALV
5A	1	287883-01G	HORIZ RAIL WLDMT BMRB-CS,LH 36"P/F,GALV
		287883-03G	HORIZ RAIL WLDMT BMRB-CS,LH 42"P/F,GALV
5B	1	281728-11	CHAIN, .25 GR 30, 80"LG
6	1	287882-02G	HORIZ RAIL ASSY BMRB-CS,RH 36"P/F,GALV
		287882-04G	HORIZ RAIL ASSY BMRB-CS,RH 42"P/F,GALV
6A	1	287883-02G	HORIZ RAIL WLDMT BMRB-CS,RH 36"P/F,GALV
		287883-04G	HORIZ RAIL WLDMT BMRB-CS,RH 42"P/F,GALV
6B	1	281728-11	CHAIN, .25 GR 30, 80"LG
7	1	287884-01G	CORNER POST ASSY LH BMRB-CS,GL
7A	1	287885-01G	CORNER POST WLDMT LH BMRB-CS,GL
7B	1	050408-05	CHAIN #4, 5 LINKS
8	1	287884-02G	CORNER POST ASSY RH BMRB-CS,GL
8A	1	287885-02G	CORNER POST WLDMT RH BMRB-CS,GL
8B	1	050408-05	CHAIN #4, 5 LINKS
9	1	287888-01G	FLDG RAIL ASSY,LH BMRB-CS,GALV
		287888-02G	FLDG RAIL ASSY,LH BMRBW-CS,GALV
9A	1	287891-01G	FLDG RAIL WLDMT,LH BMRB-CS,GL
		287891-02G	FLDG RAIL WLDMT,LH BMRBW-CS,GL
9B	1	283318-01G	LATCH PLATE PIN WLDMT
9C	1	283319-01G	LATCH PLATE BUSHING WLDMT
9D	1	902000-18	WASHER, FLAT .625 .063 THK
9E	1	902000-17	WASHER, FLAT .625 .032 THK
10	1	287889-01G	FLDG RAIL ASSY,RH BMRBW-CS,GL
		287889-02G	FLDG RAIL ASSY,RH BMRBW-CS,GL
10A	1	287892-01G	FLDG RAIL WLDMT,RH BMRB-CS,GL
		287892-02G	FLDG RAIL WLDMT,RH BMRBW-CS,GL
10B	1	283318-01G	LATCH PLATE PIN WLDMT
10C	1	283319-01G	LATCH PLATE BUSHING WLDMT
10D	1	902000-18	WASHER, FLAT .625 .063 THK
10E	1	902000-17	WASHER, FLAT .625 .032 THK
11	1	900055-02	SCREW,HEX HEAD.625-11UNC X1.5
12	1	900036-11	SCREW SOCHD .5-13UNC-2A 2.50"
13	1	902011-8	WASHER, LOCK .625, .156THK
14	1	030331	NUT, JAM 5/8-11 ZINC
15	1	040066	NUT, LOCK 1/2-13 ZC
16	2	900055-14	SCREW, HEX HEAD.625-11UNCX4.5
17	2	903136-05	FLANGE LOCK NUT, 63-11, PL
18	4	901011-9	NUT, HEX HEAD .500-13 UNC-2B
19	8	902000-14	WASHER, FLAT 1/2X7/64 ZC
20	4	901010	NUT, NYLON LOCK 1/2-13 ZC



**⚠ CAUTION**

MAXON recommends replacing Left Hand & Right Hand platform support chains as a set. Possible harm to users or bystanders and/or equipment damage could result if chains are only replaced one at a time.



**GALVANIZED PLATFORM ASSEMBLY WITH RAILINGS AND ALUMINUM EXTRUDED RAMP, PINS AND BUSHINGS****LAST UPDATED  
OCT 2014 to SEPT 2016**

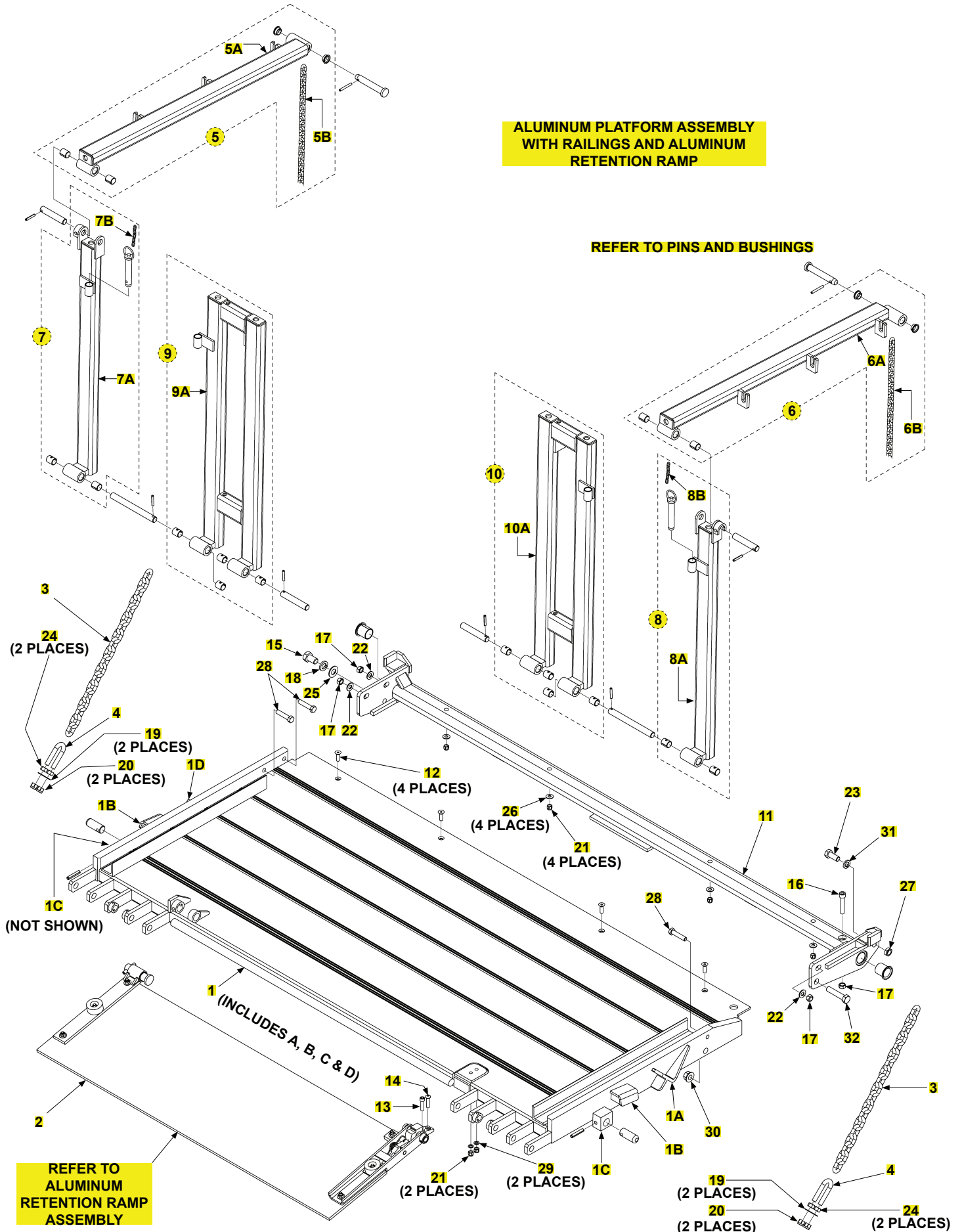
<b>ITEM</b>	<b>QTY.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
1	2	282277-01	PIN, OPENER
2	4	905033-5	ROLL PIN .250 O.D.X2.00"LG
3	4	265072	BEARING SELF LUBE .75ID X .375
4	2	908007-05	BEARING, FLNGD 1.25SHFT,1.5"LG
5	4	260917-06	BEARING, SELF LUBE .75IDX1.00
6	4	260877-100	PIN, .75" DIA X 4.00 LG SST
7	8	905033-1	ROLL PIN .250 O.D.X1.50"LG
8	2	202802	PIN, BALL LOCK
9	12	260917-06	BEARING, SELF LUBE .75IDX1.00
10	2	260876-100	PIN, .75" DIA X 7.13 LG SST
11	2	260772-100	PIN, 1" DIA X 2.38 LG SST
12	2	908002-01	BEARING SELF LUB Ø1.0 IDX1.0LG

# ALUMINUM PLATFORM ASSEMBLY WITH RAILINGS AND ALUMINUM RETENTION RAMP

LAST UPDATED  
OCT 2014 to SEPT 2016

## CAUTION

MAXON recommends replacing Left Hand & Right Hand platform support chains as a set. Possible harm to users or bystanders and/or equipment damage could result if chains are only replaced one at a time.



**ALUMINUM PLATFORM ASSEMBLY WITH RAILINGS AND ALUMINUM RETENTION RAMP**

LAST UPDATED  
OCT 2014 to SEPT 2016

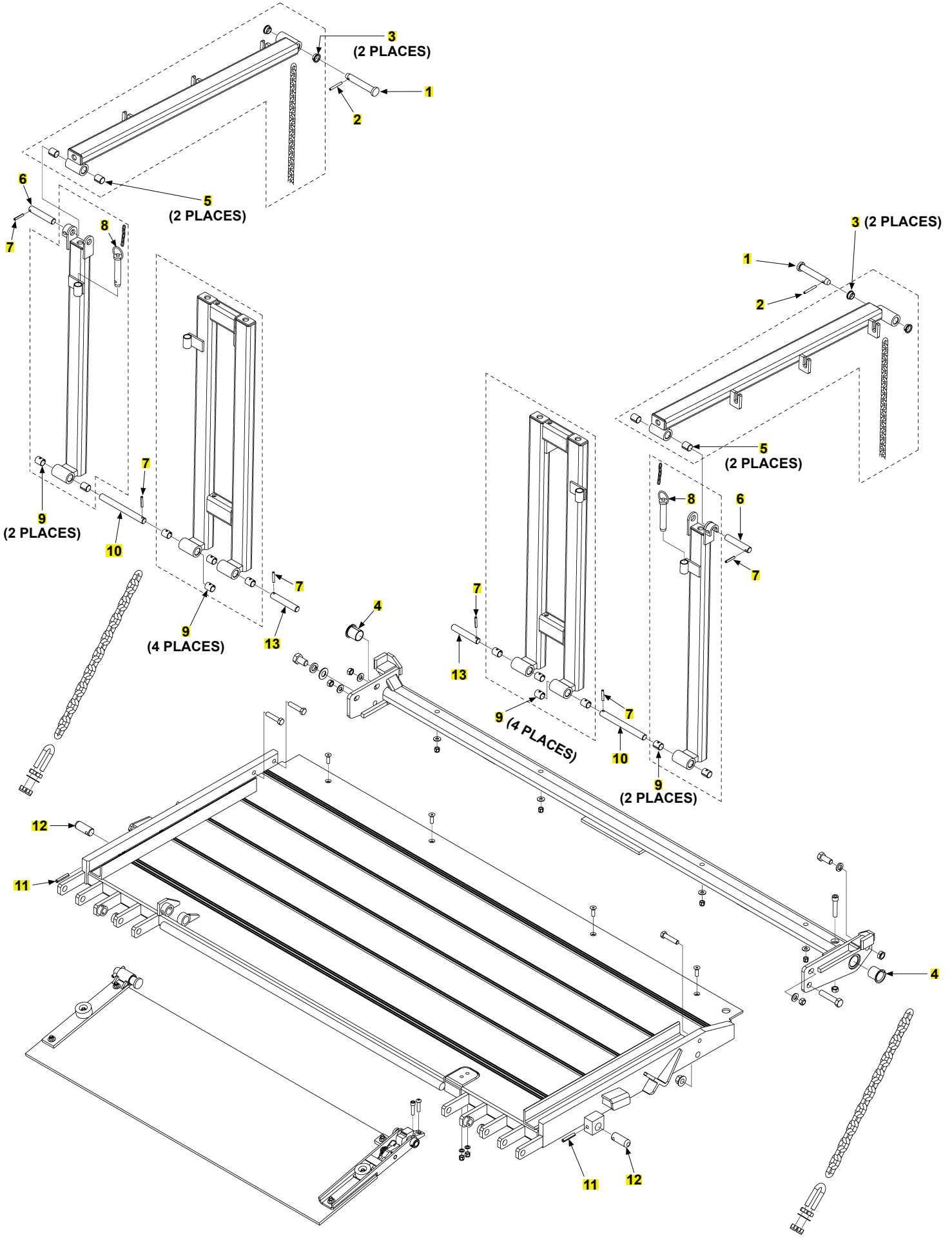
ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	287745-472	P/F ASSY BMRB-CS,AL80X36+16ARR
		287745-473	P/F ASSY BMRB-CS,AL80X42+16ARR
		287745-482	P/F ASSY BMRBW-CS,AL85X36+16ARR
		287745-483	P/F ASSY BMRBW-CS,AL85X42+16ARR
		287745-472MG	P/F ASSY BMRB-CS,AL80X36+16ARR,KNRL
		287745-473MG	P/F ASSY BMRB-CS,AL80X42+16ARR,KNRL
		287745-482MG	P/F ASSY BMRBW-CS,AL85X36+16ARR,KNRL
1	1	287744-472	P/F WLDMT BMRB-CS,AL80X36
		287744-473	P/F WLDMT BMRB-CS,AL80X42
		287744-482	P/F WLDMT BMRBW-CS,AL85X36
		287744-483	P/F WLDMT BMRBW-CS,AL85X42
		287744-472MG	P/F WLDMT BMRB-CS,AL80X36,KNRL
		287744-473MG	P/F WLDMT BMRB-CS,AL80X42,KNRL
		287744-482MG	P/F WLDMT BMRBW-CS,AL85X36,KNRL
287744-483MG	P/F WLDMT BMRBW-CS,AL85X42,KNRL		
1A	1	287587-02	BRACKET,U-BOLT HOLDER,RH F/O
1B	2	287508-01	ALUMINUM P/F STOP ON RUNNER
1C	2	287901-01	BLOCK
1D	1	287587-01	BRACKET,U-BOLT HOLDER,LH F/O
2	1	285526-03	ARR, 16",BMRA-CS AL P/F
3	2	282866-06	CHAIN, GALV, .38 X 24.38 LG
4	2	282854-01	U-BOLT
5	1	287882-01G	HORIZ RAIL ASSY BMRB-CS,LH 36"P/F,GALV
		287882-03G	HORIZ RAIL ASSY BMRB-CS,LH 42"P/F,GALV
5A	1	287883-01G	HORIZ RAIL WLDMT BMRB-CS,LH 36"P/F,GALV
		287883-03G	HORIZ RAIL WLDMT BMRB-CS,LH 42"P/F,GALV
5B	1	281728-11	CHAIN, .25 GR 30, 80"LG
6	1	287882-02G	HORIZ RAIL ASSY BMRB-CS,RH 36"P/F,GALV
		287882-04G	HORIZ RAIL ASSY BMRB-CS,RH 42"P/F,GALV
6A	1	287883-02G	HORIZ RAIL WLDMT BMRB-CS,RH 36"P/F,GALV
		287883-04G	HORIZ RAIL WLDMT BMRB-CS,RH 42"P/F,GALV
6B	1	281728-11	CHAIN, .25 GR 30, 80"LG
7	1	287884-01G	CORNER POST ASSY LH BMRB-CS,GL
7A	1	287885-01G	CORNER POST WLDMT LH BMRB-CS,GL
7B	1	050408-05	CHAIN #4, 5 LINKS
8	1	287884-02G	CORNER POST ASSY RH BMRB-CS,GL
8A	1	287885-02G	CORNER POST WLDMT RH BMRB-CS,GL
8B	1	050408-05	CHAIN #4, 5 LINKS
9	1	287888-01G	FLDG RAIL ASSY,LH BMRB-CS,GALV
		287888-02G	FLDG RAIL ASSY,LH BMRBW-CS,GALV
9A	1	287891-01G	FLDG RAIL WLDMT,LH BMRB-CS,GL
		287891-02G	FLDG RAIL WLDMT,LH BMRBW-CS,GL
10	1	287889-01G	FLDG RAIL ASSY,RH BMRBW-CS,GL
		287889-02G	FLDG RAIL ASSY,RH BMRBW-CS,GL
10A	1	287892-01G	FLDG RAIL WLDMT,RH BMRB-CS,GL
		287892-02G	FLDG RAIL WLDMT,RH BMRBW-CS,GL
11	1	286855-01	C-BAR WLDMT, AL P/F ,96 W TRK
		286855-02	C-BAR WLDMT, AL P/F ,102 W TRK
12	4	900040-5	SCREW,FL HD SOC 3/8-16X1-1/4ZC
13	1	900065-06	SCREW, SOCHD .375-16UNC-2A 1.5
14	1	900064-13	SCREW,BTN .38-16X1.5
15	1	900056-2	SCREW, CAP,HEX HD .75-16X1.25
16	1	900036-11	SCREW SOCHD .5-13UNC-2A 2.50"
17	4	040066	NUT, LOCK 1/2-13 ZC
18	1	902011-9	WASHER, LOCK .750, .188 THK
19	4	902000-14	WASHER, FLAT 1/2X7/64 ZC
20	4	901010	NUT, NYLON LOCK 1/2-13 ZC
21	6	901002	NUT, NYLON 3/8-16 ZINC
22	3	902013-13	WASHER, FLAT 1/2" SAE ZC
23	1	900055-02	SCREW,HEX HEAD.625-11UNC X1.5
24	4	901011-9	NUT, HEX HEAD .500-13 UNC-2B
25	1	902000-20	WASHER, FLAT .750 .090 THK
26	4	902001-2	WASHER, FLAT 3/8X1/16 ZC
27	1	030331	NUT, JAM 5/8-11 ZINC
28	3	900035-6	SCREW,CAP HXHD.5-13UNC-2A 2.25
29	2	902000-10	WASHER, FLAT .375 X.063 THK
30	1	901023-04	FLANGE LOCK NUT, 63-11, ZC
31	1	902011-8	WASHER, LOCK .625, .156THK
32	1	900055-08	SCREW,HEX HEAD.625-11UNC X3

# ALUMINUM PLATFORM ASSEMBLY WITH RAILINGS AND ALUMINUM RETENTION RAMP, PINS AND BUSHINGS

LAST UPDATED  
OCT 2014 to SEPT 2016

## ⚠ CAUTION

MAXON recommends replacing Left Hand & Right Hand platform support chains as a set. Possible harm to users or bystanders and/or equipment damage could result if chains are only replaced one at a time.

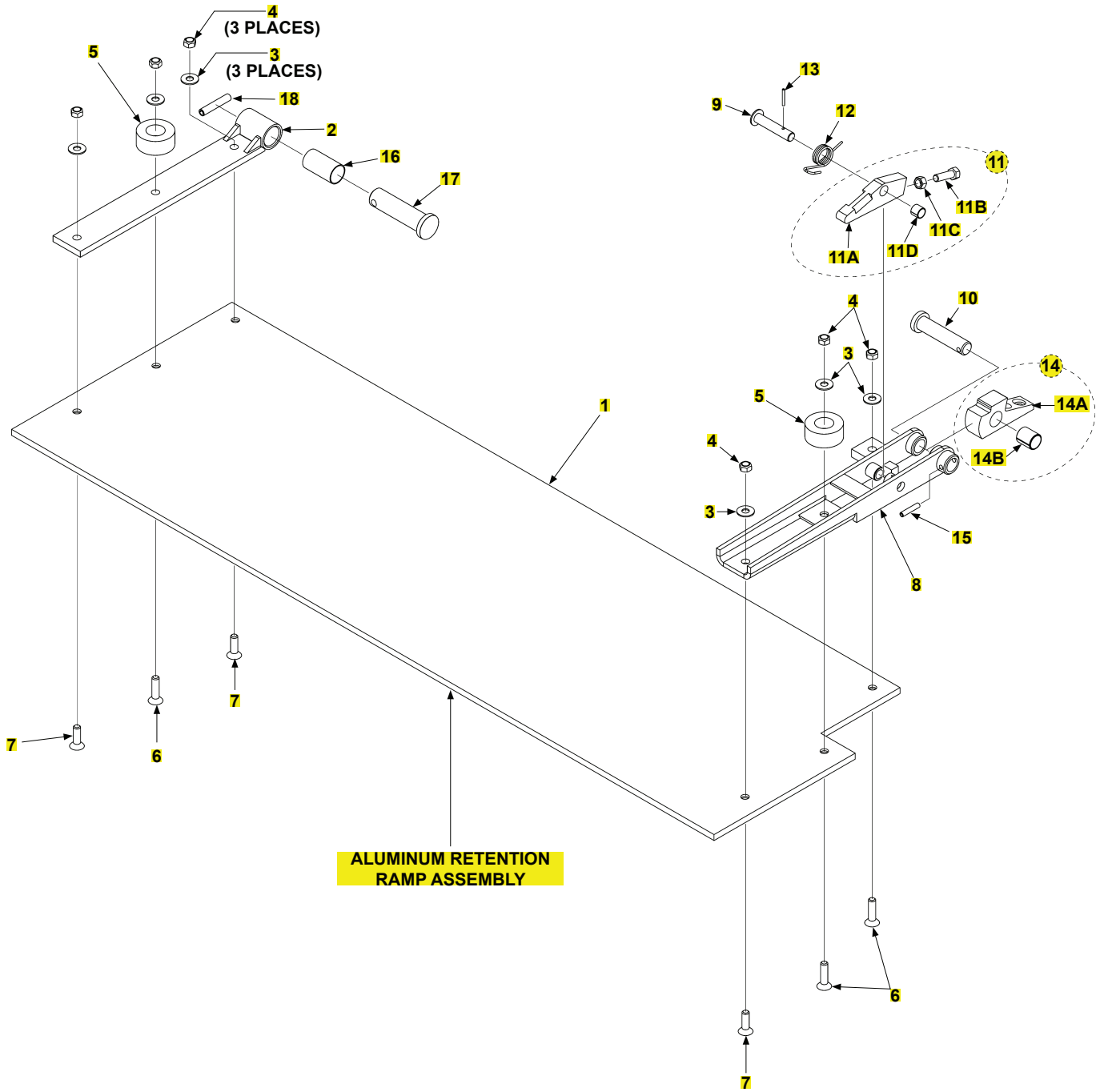


**ALUMINUM PLATFORM ASSEMBLY WITH RAILINGS AND ALUMINUM RETENTION RAMP, PINS AND BUSHINGS****LAST UPDATED  
OCT 2014 to SEPT 2016**

<b>ITEM</b>	<b>QTY.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
1	2	282277-01	PIN, OPENER
2	2	905033-5	ROLL PIN .250 O.D.X2.00"LG
3	4	265072	BEARING SELF LUBE .75ID X .375
4	2	908007-05	BEARING, FLNGD 1.25SHFT,1.5"LG
5	4	260917-06	BEARING, SELF LUBE .75IDX1.00
6	2	260877-100	PIN, .75" DIA X 4.00 LG SST
7	6	905033-1	ROLL PIN .250 O.D.X1.50"LG
8	2	202802	PIN, BALL LOCK
9	12	260917-06	BEARING, SELF LUBE .75IDX1.00
10	2	269017-02	PIN, .75" DIA X 7.5 LG, SST
11	2	904717-06	PIN, ROLL .38 X 2 ZINC
12	2	288793-01	PIN, Ø1.0 X 2.5 LG
13	2	269017-01	PIN, .75" DIA X 4.38 LG, SST

# ALUMINUM RETENTION RAMP ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016

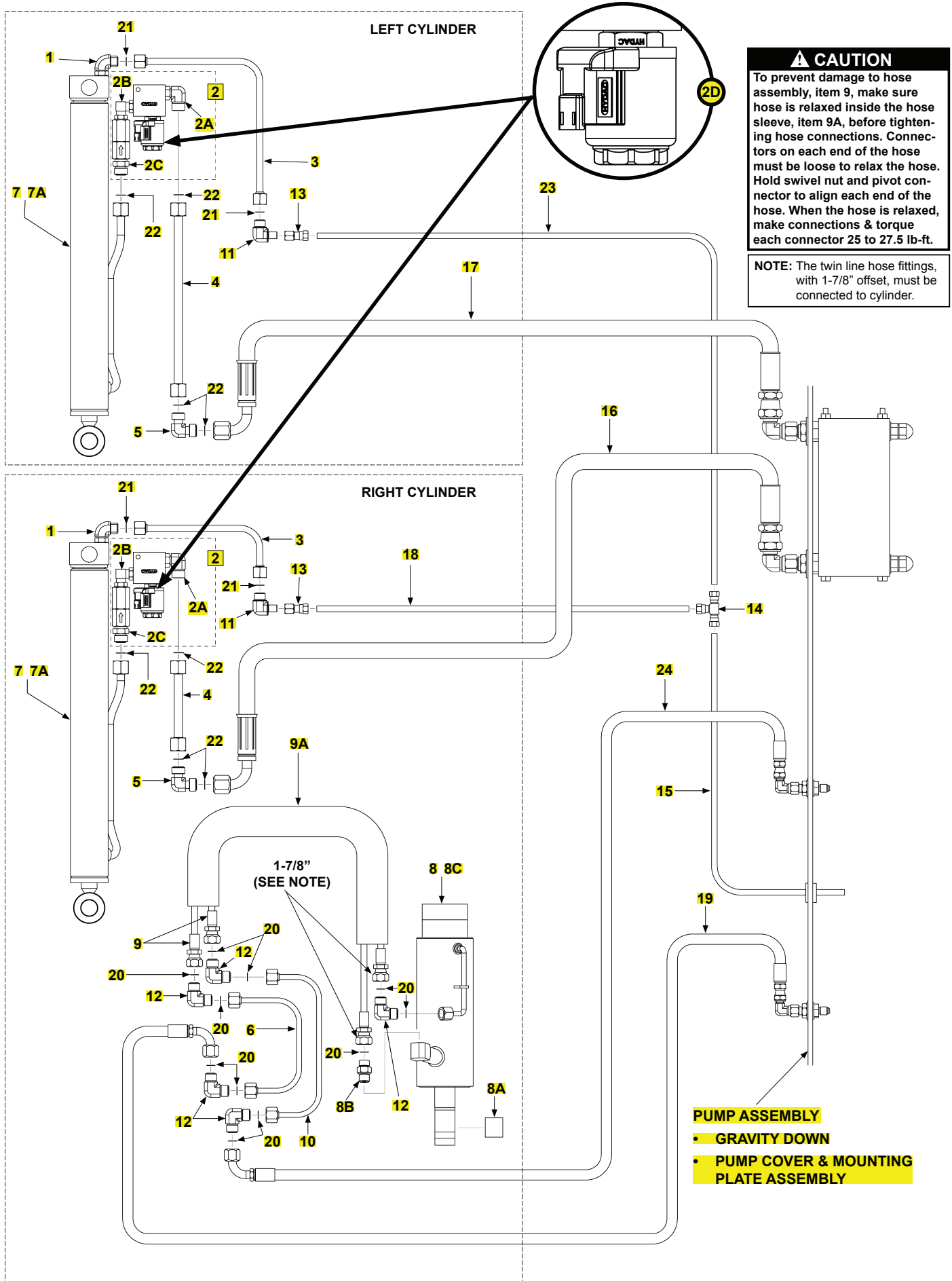




**ALUMINUM RETENTION RAMP ASSEMBLY**

LAST UPDATED  
OCT 2014 to SEPT 2016

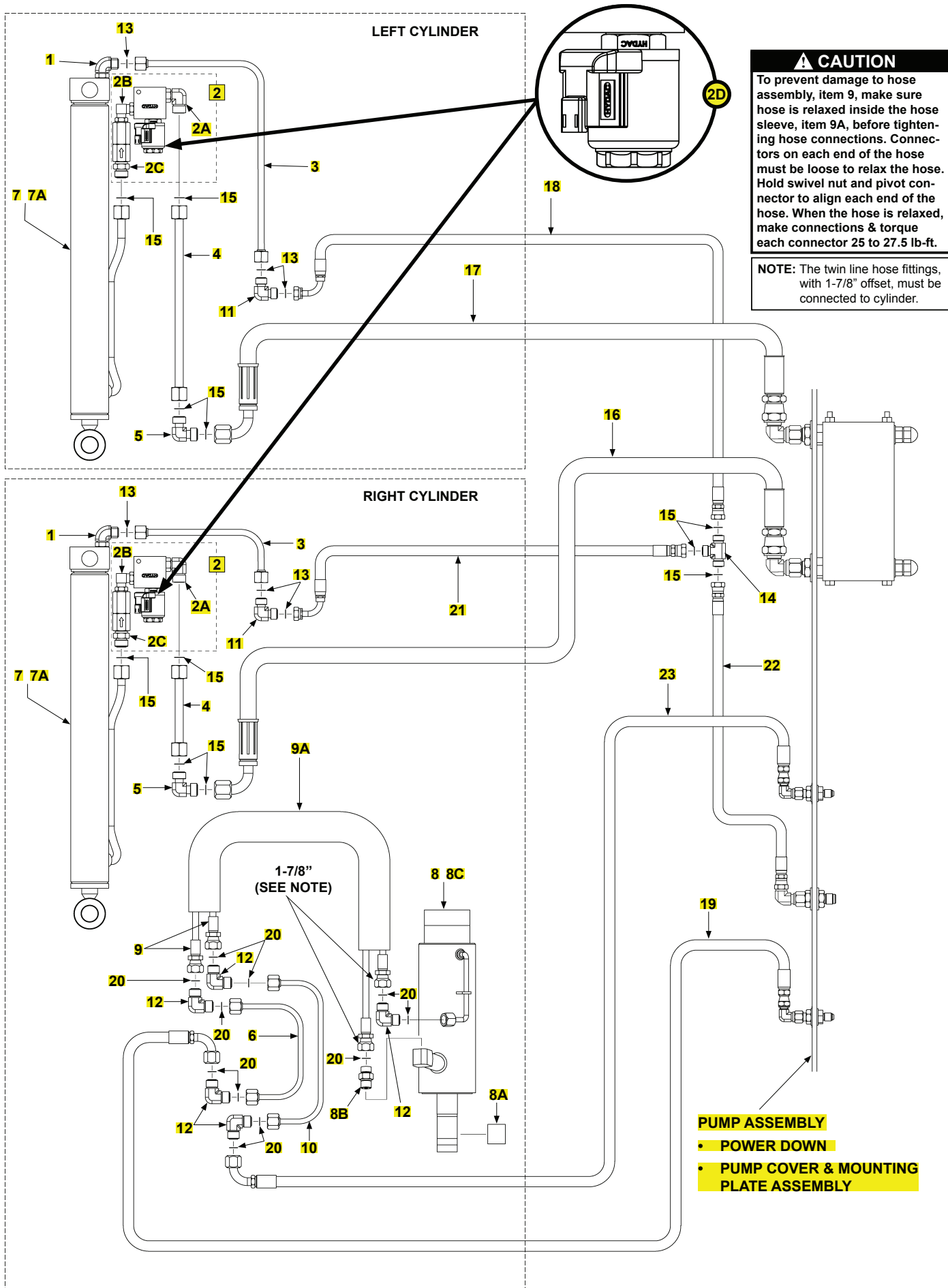
ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	285526-03	ALUMINUM RETENTION RAMP ASSEMBLY, 16" (96" WIDE VEH)
1	1	264697-10	RAMP ALUMINUM, .375X16X51
2	1	253526-01	HINGE ARM WELD'T L/H GALV
3	6	902001-2	FLAT WASHER, 3/8"
4	6	030955	NYLON LOCK NUT, 3/8"-16
5	2	905363-01	RUBBER BUMPER 2.0 X .88
6	3	900040-5	SCREW, FLAT SOCKET HEAD, 3/8"-16" X 1-1/4" LG.
7	3	900040-6	SCREW, FLAT SOCKET HEAD, 3/8"-16 X 1-1/2" LG.
8	1	287530-02	HINGE CASTING, BLACK
9	1	264577	PIN WELD"T,Ø.50
10	1	264586	PIN ,Ø.75
11	1	269553-01	ADJ. LOCKING ARM ASSY
11A	1	269684-02	ADJ LOCKING ARM, ARR, YEL PNT
11B	1	900033-2	SCREW, CAP .5-20X1.25 ZC
11C	1	901011-10	NUT, HEX HEAD .500-20 UNF-2B
11D	1	253542	BEARING, SELF LUBE 1/2X1/2
12	1	264638	TORSION SPRING,L/H
13	1	030406	PIN, ROLL 1/8" X 1" ZINC
14	1	264639	LOCKING CAM ASSY
14A	1	264585	LOCKING CAM, AL RETENTION RAMP
14B	1	260917-06	BEARING, SELF LUBE 3/4X1
15	1	905033-2	PIN, ROLL 1/4X1-1/4 ZINC
16	1	253541	BEARING, SELF LUBE 1X2
17	1	253528	PIN
18	1	904717-06	PIN, ROLL .38 X 2 ZINC



**HYDRAULIC SYSTEMS - GRAVITY DOWN**

LAST UPDATED  
OCT 2014 to SEPT 2016

ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	287670-12	BMR PUMP ASSEMBLY, 12 VDC, GRAVITY DOWN
1	2	906707-01	ELBOW, FACE SEAL, #6 M-M
2	2	288520-12	HYDRAULIC LOCK VALVE, 12 VDC
2A	2	905158	ELBOW STRAIGHT, FACE SEAL #8, O-RING, #6 M-M
2B	2	906722-01	ELBOW 90°, O-RING, #6 M-M
2C	2	288518-01	VALVE ASSEMBLY, PRESSURE COMPENSATED, 3 GPM
2D	2	282999-01	HYDRAULIC LOCK VALVE ASSEMBLY
3	2	286283-01	FACE SEAL TUBE ASSEMBLY, RETURN LINE
4	2	286282-01	FACE SEAL TUBE ASSEMBLY, LIFT LINE
5	2	906830-01	ELBOW 90°, FACE SEAL, #8 M-M
6	1	286296-01	TUBE ASSEMBLY, FACE SEAL, 1/4"
7	2	286335-01	CYLINDER, 1-3/4" BORE X 53-1/8" STROKE (BMR-35/44)
		286335-02	CYLINDER, 2" BORE, 53-1/8" STROKE (BMR-55/66)
7A	REF	280663SK-01	SEAL KIT (COMBINATION, BMR-35/44)
		280663SK-02	SEAL KIT (COMBINATION, BMRSD-55/66)
8	1	286281-01	CYLINDER ASSEMBLY, 2-3/4" BORE, 5-1/4" STROKE
8A	1	253657	BEARING, SELF LUBE DIA. 1" I.D. X 1" LG.
8B	1	905179	CONNECTOR, FACE SEAL #4, O-RING, #6 M-M
8C	1	290060	SEAL KIT (CYLINDER)
9	1	286232-01	TWIN HOSE AND CABLE ASSEMBLY
9A	1	908219-10	HOSE SLEEVE, 1" X 37-1/2" LG.
10	1	286298-01	TUBE ASSEMBLY, FACE SEAL, 1/4"
11	2	905157	ELBOW, 3/8" FACE SEAL, 1/4" NPTF, M-M
12	5	906792-01	UNION, ELBOW, FACE SEAL #4M-#4M 90 DEG
13	2	905156	AIR BRAKE CONNECTOR
14	1	905155	TEE, UNION AIR BRAKE, 3/8"
15	1	099996-02	TUBING,.375 THERMOPLASTIC 7.0'
		099996-03	TUBING.375 THERMOPLASTIC 16.0'
		099996-10	TUBING,.375 THERMOPLASTIC 22.0'
		099996-08	TUBING.375 THERMOPLASTIC 27.0'
		099996-09	TUBING,.375 THERMOPLASTIC 35.0'
16	1	280223-01	H/A HP.38F/S#8 90 F-JIC#8F72"
		280223-03	H/A HP.38F/S#8 90 F-JIC#8F196"
		280223-13	H/A HP.38F/S#8 90F-JIC#8F 256"
		280223-05	H/A HP.38F/S#8 90 F-JIC#8F316"
		280223-09	H/A HP.38F/S#8 90F-JIC#8F 412"
17	1	280223-02	H/A HP.38F/S#8 90 F-JIC#8F150"
		280223-04	H/A HP.38F/S#8 90 F-JIC#8F274"
		280223-14	H/A HP.38F/S#8 90F-JIC#8F 334"
		280223-06	H/A HP.38F/S#8 90 F-JIC#8F394"
		280223-10	H/A HP.38F/S#8 90F-JIC#8F 490"
18	1	099996-06	TUBING,.375 THERMOPLASTIC,2.0'
19	1	280232-01	H/A HP1/4F/S#4 90F-JIC#4F 64"
		280232-02	H/A HP1/4F/S#4 90F-JIC#4F 188"
		280232-09	H/A HP.25F/S#4 90F-JIC#4F 248"
		280232-03	H/A HP1/4F/S#4 90F-JIC#4F 308"
		280232-05	H/A HP.25F/S#4 90F-JIC#4F 404"
20	13	906712-01	O-RING, #4 (1/4" FACE SEAL TUBE-END)
21	4	906712-02	O-RING, #6 (3/8" FACE SEAL TUBE-END)
22	8	906712-03	O-RING, #8 (1/2" FACE SEAL TUBE-END)
23	1	099996-05	TUBING,.375 THERMOPLASTIC 9.0'
24	1	280232-01-100	H/A HP1/4F/S#4 90F-JIC#4F 64" W/YEL TAPE
		280232-02-100	H/A HP1/4F/S#4 90F-JIC#4F 188" W/YEL TAPE
		280232-09-100	H/A HP.25F/S#4 90F-JIC#4F 248" W/YEL TAPE
		280232-03-100	H/A HP1/4F/S#4 90F-JIC#4F 308" W/YEL TAPE
		280232-05-100	H/A HP.25F/S#4 90F-JIC#4F 404" W/YEL TAPE



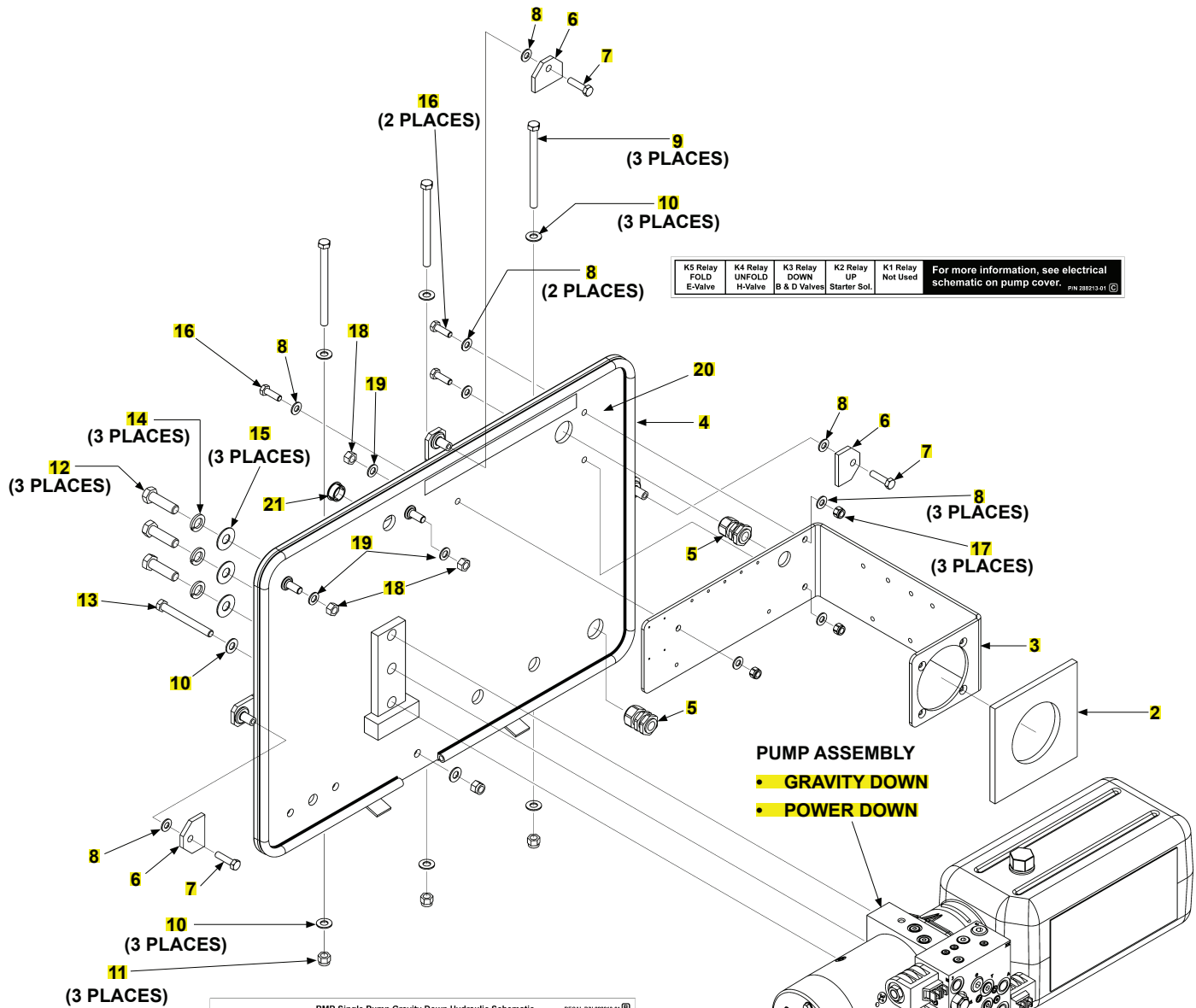
**HYDRAULIC SYSTEMS - POWER DOWN**

LAST UPDATED  
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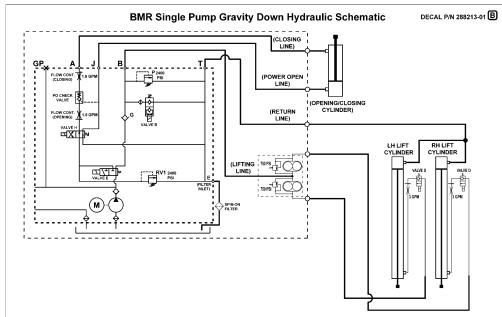
ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	287660-12	BMR PUMP ASSEMBLY, 12 VDC, POWER DOWN
1	2	906707-01	ELBOW, FACE SEAL, #6 M-M
2	2	288520-12	HYDRAULIC LOCK VALVE, 12 VDC
2A	2	905158	ELBOW STRAIGHT, FACE SEAL #8, O-RING, #6 M-M
2B	2	906722-01	ELBOW 90°, O-RING, #6 M-M
2C	2	288518-01	VALVE ASSEMBLY, PRESSURE COMPENSATED, 3 GPM
2D	2	282999-01	HYDRAULIC LOCK VALVE ASSEMBLY
3	2	286283-01	FACE SEAL TUBE ASSEMBLY, RETURN LINE
4	2	286282-01	FACE SEAL TUBE ASSEMBLY, LIFT LINE
5	2	906830-01	ELBOW 90°, FACE SEAL, #8 M-M
6	1	286296-01	TUBE ASSEMBLY, FACE SEAL, 1/4"
7	2	286335-01	CYLINDER, 1-3/4" BORE X 53-1/8" STROKE (BMR-35/44)
		286335-02	CYLINDER, 2" BORE, 53-1/8" STROKE (BMR-55/66)
7A	REF	280663SK-01	SEAL KIT (COMBINATION, BMR-35/44)
		280663SK-02	SEAL KIT (COMBINATION, BMRSD-55/66)
8	1	286281-01	CYLINDER ASSEMBLY, 2-3/4" BORE, 5-1/4" STROKE
8A	1	253657	BEARING, SELF LUBE DIA. 1" I.D. X 1" LG.
8B	1	905179	CONNECTOR, FACE SEAL #4, O-RING, #6 M-M
8C	1	290060	SEAL KIT (CYLINDER)
9	1	286232-01	TWIN HOSE AND CABLE ASSEMBLY
9A	1	908219-10	HOSE SLEEVE, 1" X 37-1/2" LG.
10	1	286298-01	TUBE ASSEMBLY, FACE SEAL, 1/4"
11	2	905157	ELBOW, 3/8" FACE SEAL, 1/4" NPTF, M-M
12	5	906792-01	UNION, ELBOW, FACE SEAL #4M-#4M 90 DEG
13	6	906712-02	O-RING, #6 (3/8" FACE SEAL TUBE-END)
14	1	905150	TEE, UNION 3/8 F.S. MALE,6-JLO
15	11	906712-03	O-RING, #8 (1/2" FACE SEAL TUBE-END)
16	1	280223-01	H/A HP.38F/S#8 90 F-JIC#8F72"
		280223-03	H/A HP.38F/S#8 90 F-JIC#8F196"
		280223-13	H/A HP.38F/S#8 90F-JIC#8F 256"
		280223-05	H/A HP.38F/S#8 90 F-JIC#8F316"
		280223-09	H/A HP.38F/S#8 90F-JIC#8F 412"
17	1	280223-02	H/A HP.38F/S#8 90 F-JIC#8F150"
		280223-04	H/A HP.38F/S#8 90 F-JIC#8F274"
		280223-14	H/A HP.38F/S#8 90F-JIC#8F 334"
		280223-06	H/A HP.38F/S#8 90 F-JIC#8F394"
		280223-10	H/A HP.38F/S#8 90F-JIC#8F 490"
18	1	264294-02	HOSE/A HP1/4F/S690DECFF/S6F100
19	1	280232-01	H/A HP1/4F/S#4 90F-JIC#4F 64"
		280232-02	H/A HP1/4F/S#4 90F-JIC#4F 188"
		280232-09	H/A HP.25F/S#4 90F-JIC#4F 248"
		280232-03	H/A HP1/4F/S#4 90F-JIC#4F 308"
		280232-05	H/A HP.25F/S#4 90F-JIC#4F 404"
20	11	906712-01	O-RING, #4 (1/4" FACE SEAL TUBE-END)
21	1	264294-03	H/A HP 1/4, F/S #6F-F/S#6F,24"
22	1	280229-01	H/A HP.25,F/S#6F-JIC #6F,34"
		280229-02	H/A HP.25,F/S#6F-JIC #6F,166"
		280229-06	H/A HP.25,F/S#6F-JIC#6F,226"
		280229-03	H/A HP.25,F/S#6F-JIC #6F,286"
		280229-04	H/A HP.25,F/S#6F-JIC#6F,382"
23	1	280232-01-100	H/A HP1/4F/S#4 90F-JIC#4F 64" W/YEL TAPE
		280232-02-100	H/A HP1/4F/S#4 90F-JIC#4F 188" W/YEL TAPE
		280232-09-100	H/A HP.25F/S#4 90F-JIC#4F 248" W/YEL TAPE
		280232-03-100	H/A HP1/4F/S#4 90F-JIC#4F 308" W/YEL TAPE
		280232-05-100	H/A HP.25F/S#4 90F-JIC#4F 404" W/YEL TAPE

# PUMP COVER AND MOUNTING PLATE ASSEMBLY

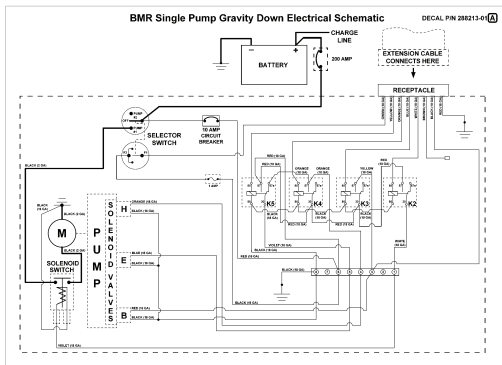
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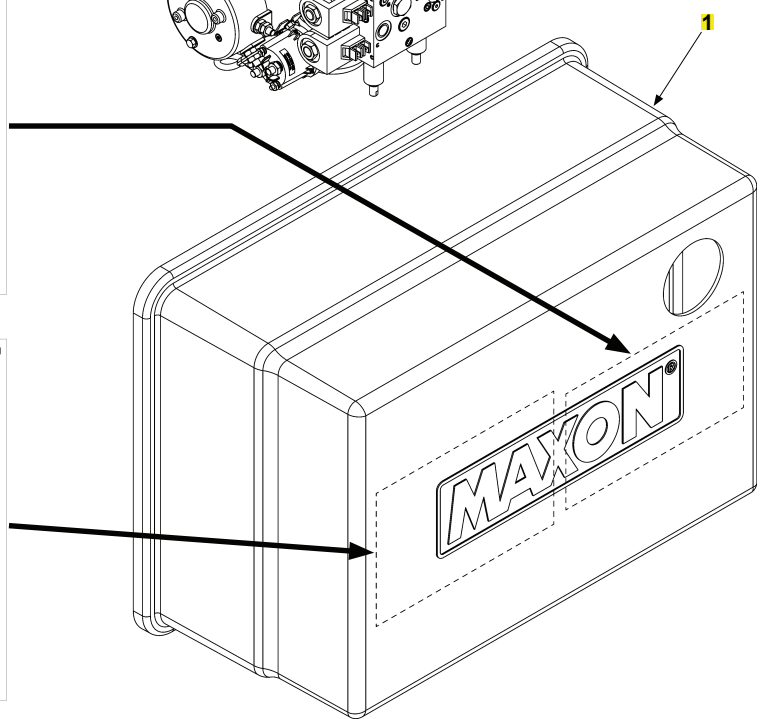
**PUMP ASSEMBLY**  
 • GRAVITY DOWN  
 • POWER DOWN



**DECAL SHEET 288216 DECAL B**



**DECAL SHEET 288216 DECAL A**



**PUMP COVER AND MOUNTING PLATE ASSEMBLY**

LAST UPDATED  
OCT 2014 to SEPT 2016

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	269575-02	PUMP COVER
2	1	289701-01	PUMP SWITCH SEAL
3	1	295741-01G	PUMP MOUNTING PLATE
4	7.22 FT	093232	NEOPRENE BULB TRIM SEAL, 1/4"
5	2	268034-03	CORD GRIP, NYLON, 3/4" X 3/8" I.D.
6	3	281062-03	FLAT HOLDER, 1-9/16" LG.
7	3	901602-07	HEX BOLT, 5/16"-18 X 1-1/2" LG.
8	9	903443-07	FLAT WASHER, 5/16"
9	3	900014-16	HEX CAP SCREW, 3/8"-16 X 5" LG, GRADE 8
10	7	902013-11	FLAT WASHER, 3/8"
11	3	901002	NYLON NUT, 3/8"-16
12	3	900035-4	HEX HEAD CAP SCREW, 1/2"-13 X 1-3/4" LG.
13	1	900014-13	HEX HEAD CAP SCREW, 3/8"-16 X 3-1/2" LG, GRADE 8
14	3	903426-12	LOCK WASHER, M14
15	3	903409-05	FENDER WASHER, 9/16" I.D. X 1-1/4" O.D.
16	3	901602-06	HEX HEAD BOLT, 5/16"-18 X 1" LG.
17	3	903106-10	NYLON NUT, 5/16"-18
18	3	901011-5	HEX HEAD NUT, 3/8"-16
19	3	902028-6	FLAT WASHER, 11/16" O.D. X 3/8" I.D.
20	1	295741-01G	PUMP MOUNTING PLATE
21	1	908081-04	NYLON PLUG, 7/8"
	1	288213-05	DECAL SHEET,BMRB GRAVITY DOWN
		288213-06	DECAL SHEET,BMRB POWER DOWN

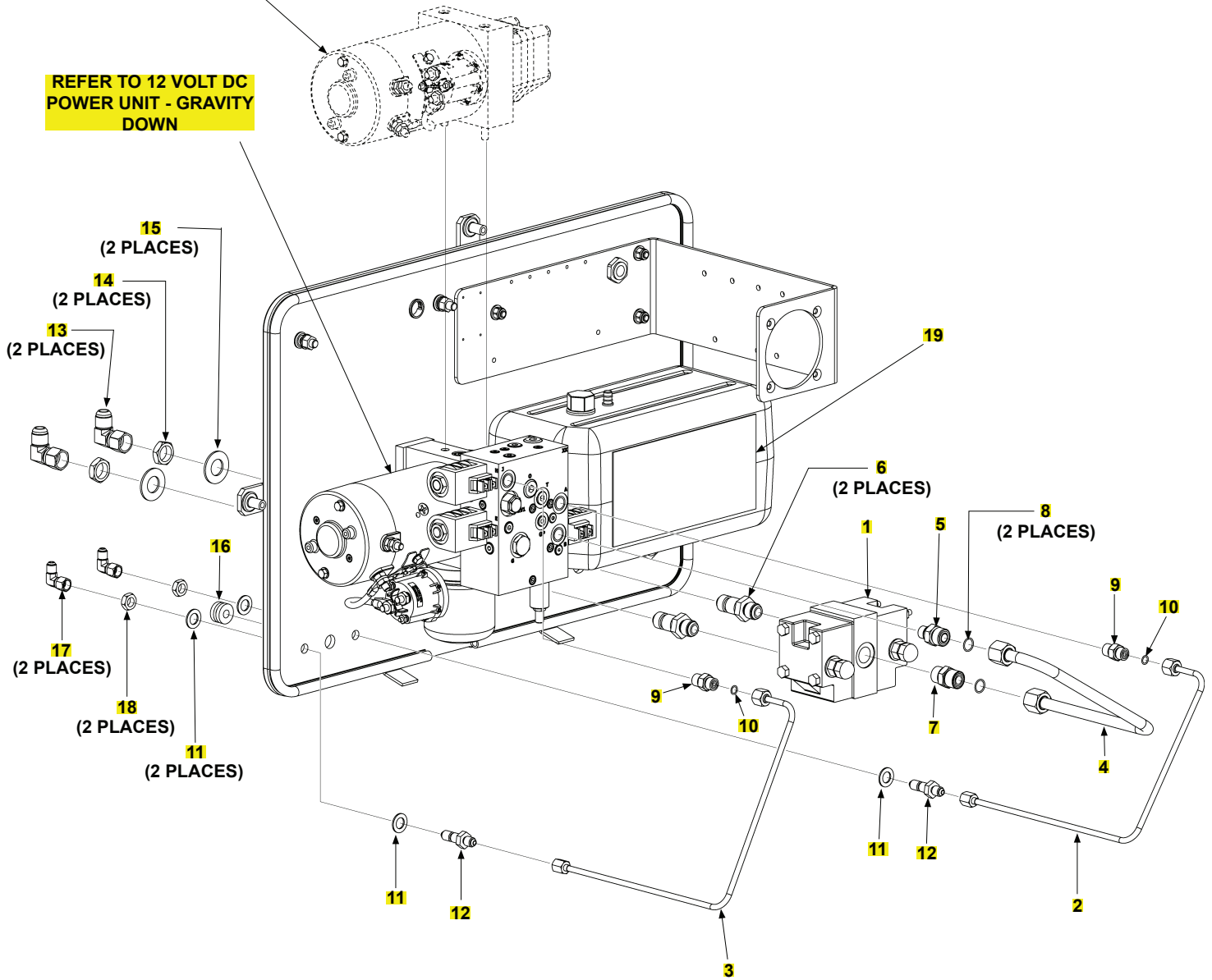


# PUMP ASSEMBLY - GRAVITY DOWN

LAST UPDATED  
OCT 2014 to SEPT 2016

REFER TO 12 VOLT DC  
SECONDARY POWER  
UNIT (OPTIONAL)

REFER TO 12 VOLT DC  
POWER UNIT - GRAVITY  
DOWN



**PUMP ASSEMBLY - GRAVITY DOWN**

LAST UPDATED  
OCT 2014 to SEPT 2016

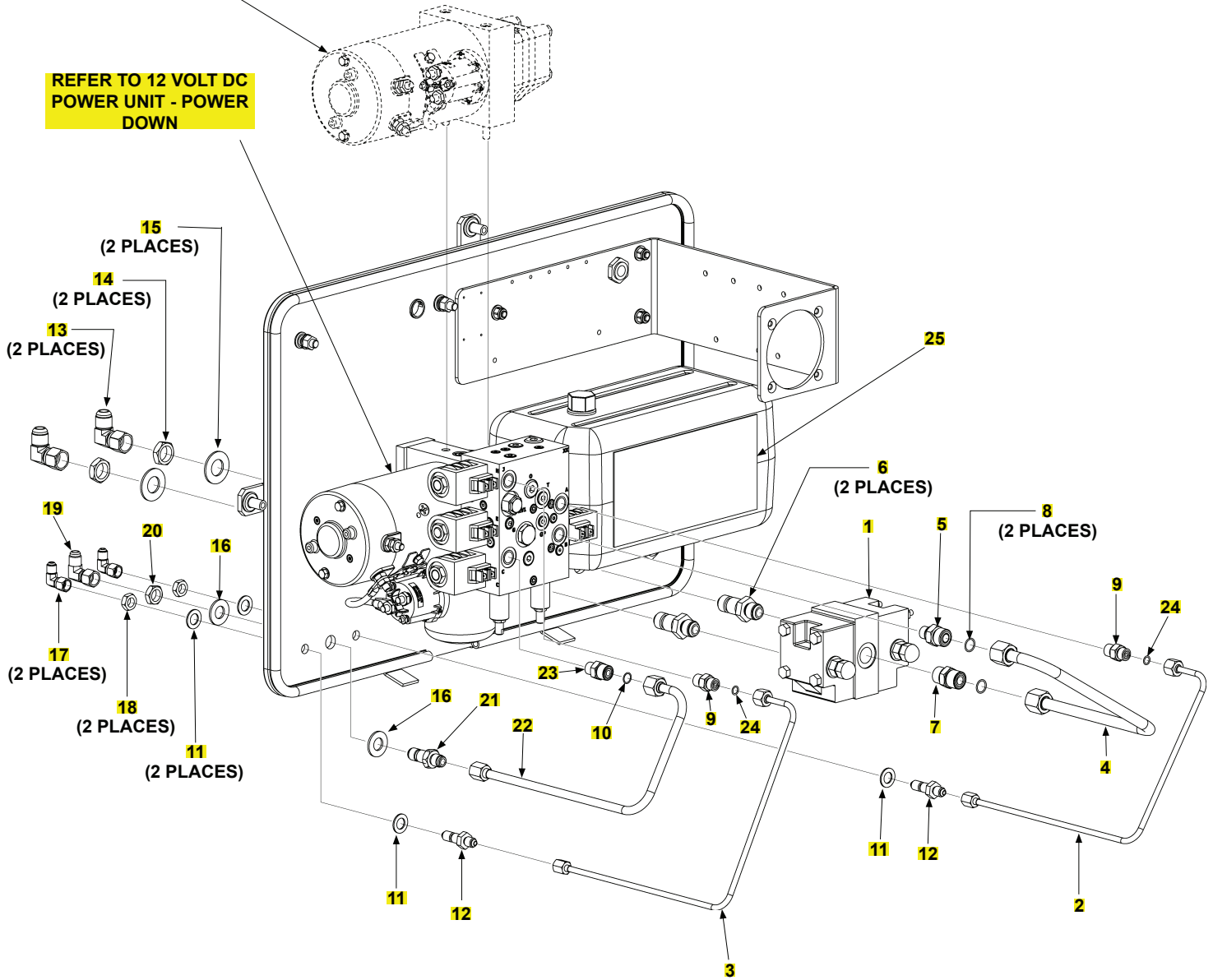
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	253513	FLOW DIVIDER
2	1	287665-01	FACE SEAL TUBE ASSEMBLY, 1/4"
3	1	287664-01	FACE SEAL TUBE ASSEMBLY, 1/4"
4	1	287667-01	FACE SEAL TUBE ASSEMBLY, 1/2"
5	1	906762-01	CONNECTOR, #8 FACE SEAL, #6 O-RING, M-M
6	2	261461	BULKHEAD UNION, 37°, TWIN FLARE
7	1	905173-02	CONNECTOR, ORIFICE FACE SEAL, #8
8	2	906712-03	O-RING, #8, 1/2" FACE SEAL, TUBE END
9	2	905179	CONNECTOR, #4 FACE SEAL, #6 O-RING, M-M
10	2	906712-01	O-RING, #4 (1/4" FACE SEAL TUBE-END)
11	4	905085	FLAT WASHER, 1/2" X 1/8"
12	2	905096	BULKHEAD UNION FITTING, M, #4
13	2	260120	ELBOW, 90°, #8M - #8F
14	2	261462	BULKHEAD NUT, 37°, TWIN FLARE
15	2	902000-20	FLAT WASHER, 3/4" X 3/32" THICK
16	1	263981	GROMMET, 3/8" X 5/8"-
17	2	905027	ELBOW, 37°, NUT, #4
18	2	905085	BULKHEAD NUT, #4
19	1	282927-01	DECAL, BMRB OIL LEVEL

# PUMP ASSEMBLY - POWER DOWN

LAST UPDATED  
OCT 2014 to SEPT 2016

REFER TO 12 VOLT DC  
SECONDARY POWER  
UNIT (OPTIONAL)

REFER TO 12 VOLT DC  
POWER UNIT - POWER  
DOWN



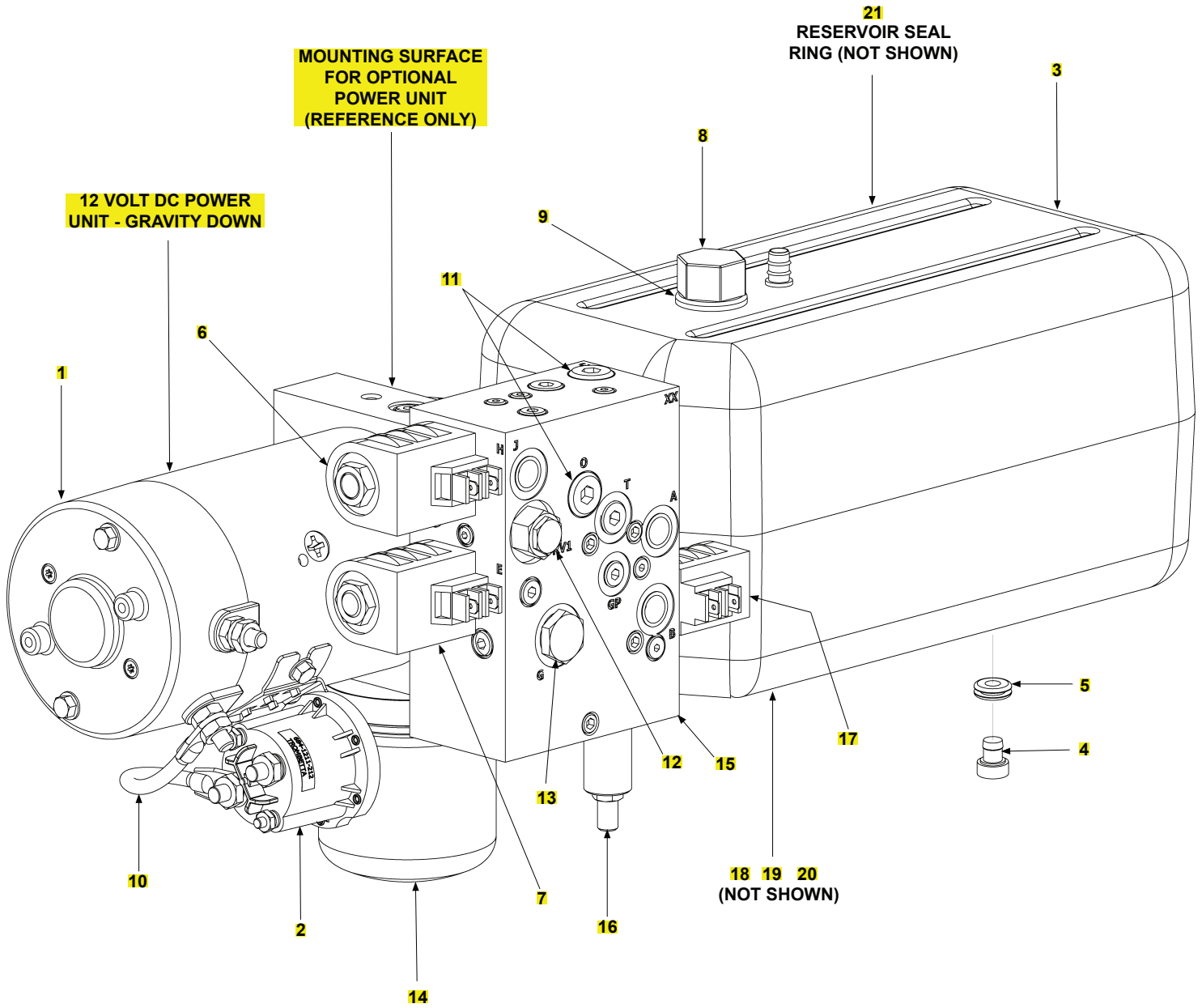
**PUMP ASSEMBLY - POWER DOWN**

LAST UPDATED  
OCT 2014 to SEPT 2016

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	253513	FLOW DIVIDER
2	1	287665-01	FACE SEAL TUBE ASSEMBLY, 1/4"
3	1	287664-01	FACE SEAL TUBE ASSEMBLY, 1/4"
4	1	287667-01	FACE SEAL TUBE ASSEMBLY, 1/2"
5	1	906762-01	CONNECTOR, #8 FACE SEAL, #6 O-RING, M-M
6	2	261461	BULKHEAD UNION, 37°, TWIN FLARE
7	1	905173-02	CONNECTOR, ORIFICE FACE SEAL, #8
8	2	906712-03	O-RING, #8, 1/2" FACE SEAL, TUBE END
9	2	905179	CONNECTOR, #4 FACE SEAL, #6 O-RING, M-M
10	1	906712-02	O-RING, #6, 3/8" FACE SEAL, TUBE END
11	4	905085	FLAT WASHER, 1/2" X 1/8"
12	2	905096	BULKHEAD UNION FITTING, M, #4
13	2	260120	ELBOW, 90°, #8M - #8F
14	2	261462	BULKHEAD NUT, 37°, TWIN FLARE
15	2	902000-20	FLAT WASHER, 3/4"
16	2	902013-14	FLAT WASHER, 9/16"
17	2	905027	ELBOW, 37°, NUT, #4
18	2	905085	BULKHEAD NUT, #4
19	1	905154	ELBOW, 90°, #6M - #6F
20	1	905086	BULKHEAD NUT, #6
21	1	905100	BULKHEAD UNION FITTING, M, #6
22	1	287666-01	FACE SEAL TUBE ASSEMBLY, 3/8"
23	1	905173	CONNECTOR, ORIFICE FACE SEAL, #6
24	2	906712-01	O-RING, #4 (1/4" FACE SEAL TUBE-END)
25	1	282927-01	DECAL, BMRB OIL LEVEL

# 12 VOLT DC POWER UNIT - GRAVITY DOWN

LAST UPDATED  
OCT 2014 to SEPT 2016



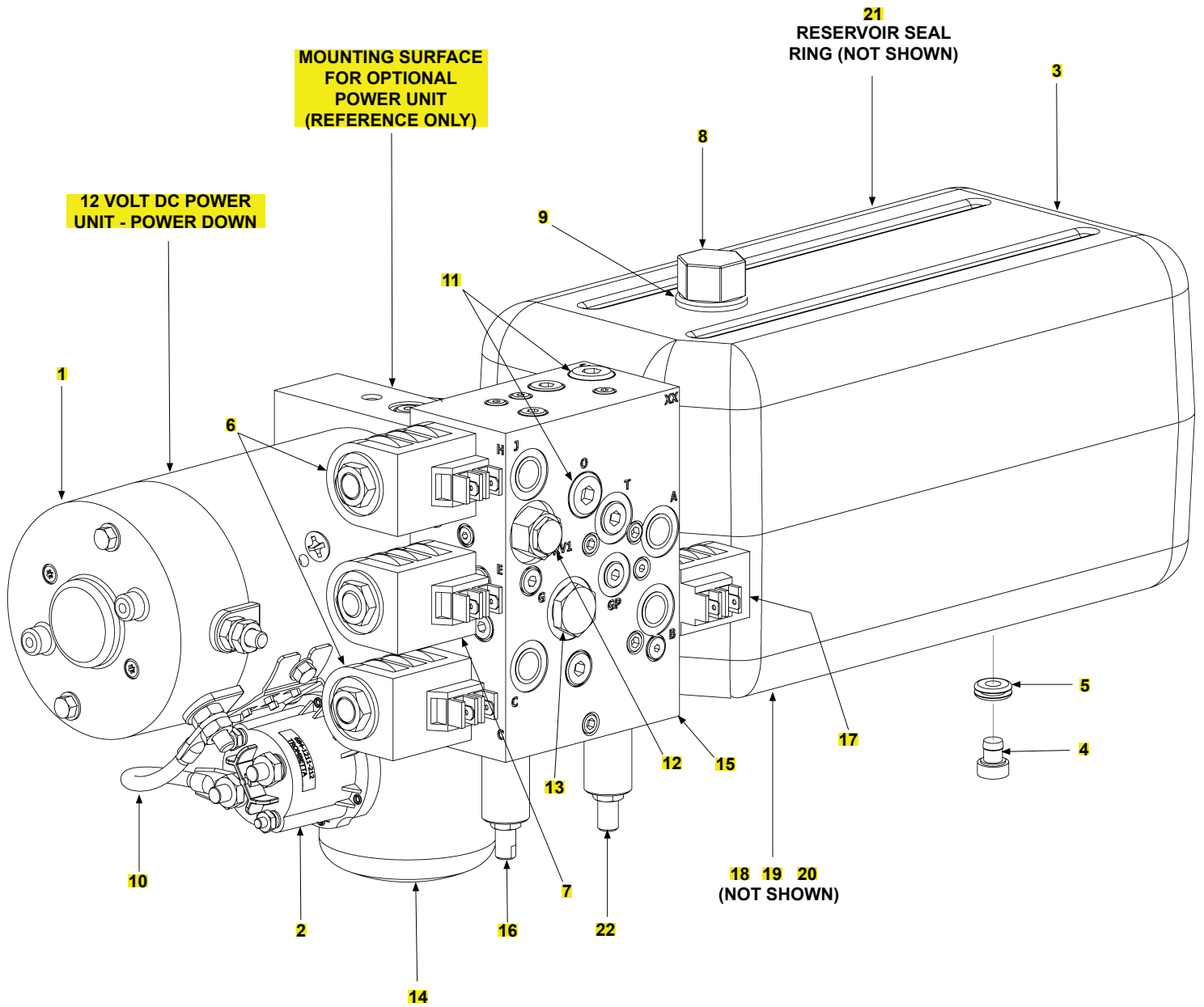
**12 VOLT DC POWER UNIT - GRAVITY DOWN**

LAST UPDATED  
OCT 2014 to SEPT 2016

ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	296030-12	12 VDC POWER UNIT 203.1, BMRB GD
1	1	269582-01	MOTOR, 12 VDC, HEAVY DUTY, 2-TERMINAL
2	1	284080-01	STARTER SOLENOID, STANDARD DUTY
3	1	269583-01	RESERVOIR, 2 GALLON, HORIZONTAL, SIDE MOUNT
4	1	908017-01	DRAIN PLUG
5	1	908018-01	RUBBER GROMMET
6	1	290046	VALVE AND COIL ASSEMBLY "H", 12 VDC, 2-POLE, 4-WAY, DOUBLE SPADE
7	1	290019	VALVE AND COIL ASSEMBLY "E", 12 VDC, 2-POLE, 3-WAY, DOUBLE SPADE
8	1	280806-01	BREATHER
9	1	908016-01	RUBBER GROMMET
10	1	280404	BATTERY CABLE
11	2	906929-01	FLOW CONTROL VALVE, 1-1/2 GPM
12	1	906930-01	RELIEF VALVE, RV1, 2400 PSI
13	1	290033	CHECK VALVE "G"
14	1	262412	OIL FILTER, SPIN ON, 25 MICRON
15	1	296027-12	MANIFOLD ASSEMBLY, SEVERE DUTY
16	1	905195	ADJUSTABLE RELIEF VALVE, 2000-3500 PSI
17	1	290043	VALVE AND COIL ASSEMBLY "B", 12 VDC, 2-POLE, 2-WAY, DOUBLE SPADE
18	1	288985-01	PUMP ASSEMBLY, 204, CAST IRON (NOT SHOWN)
19	1	260261	OIL SEAL, PUMP (NOT SHOWN)
20	1	290020	O-RING, PUMP (NOT SHOWN)
21	1	290061	SEAL RING, RESERVOIR (NOT SHOWN)

# 12 VOLT DC POWER UNIT - POWER DOWN

LAST UPDATED  
OCT 2014 to SEPT 2016





**12 VOLT DC POWER UNIT - POWER DOWN**

LAST UPDATED  
OCT 2014 to SEPT 2016

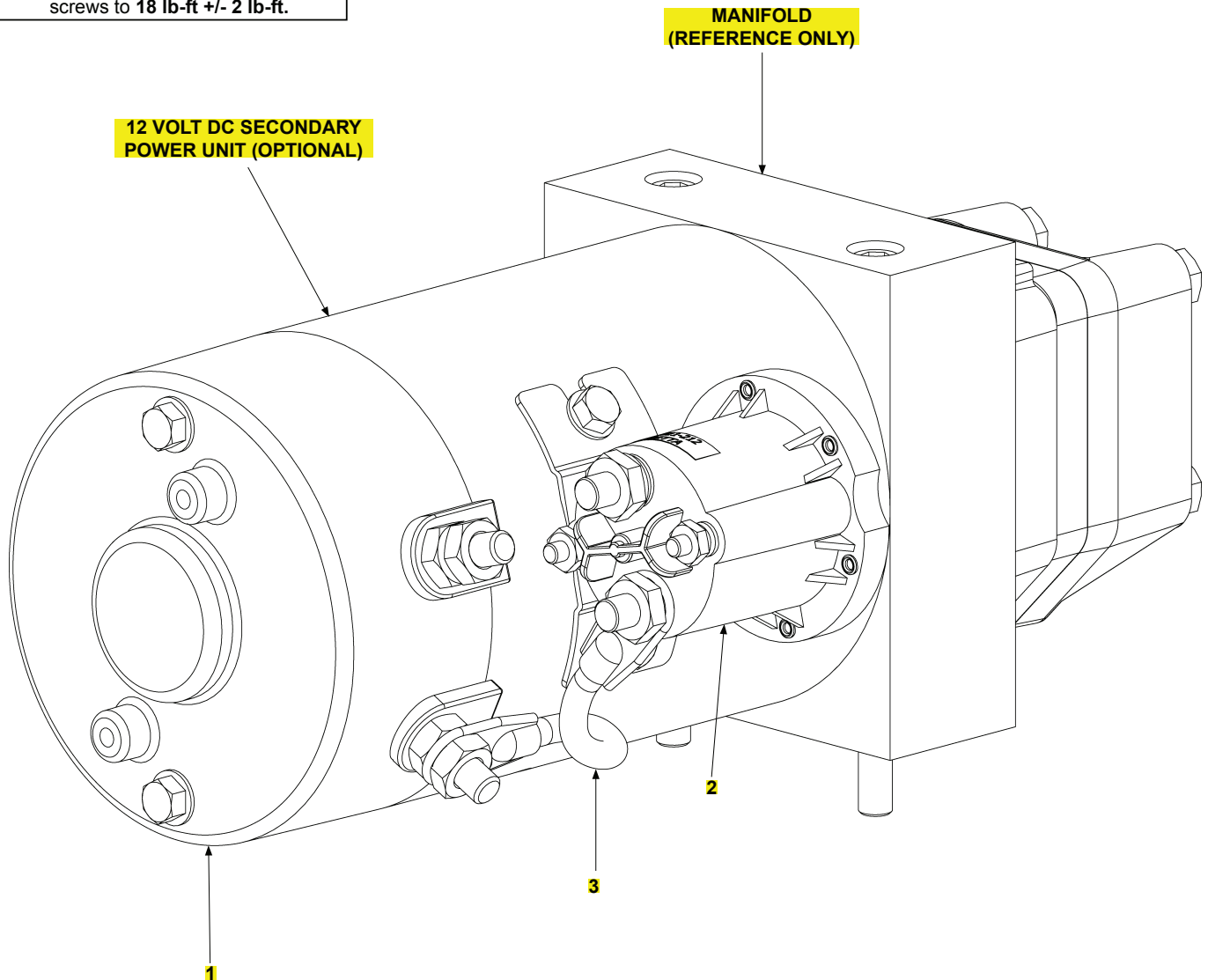
ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	296020-12	12 VDC POWER UNIT 203.1 BMRB PD
1	1	269582-01	MOTOR, 12 VDC, HEAVY DUTY, 2-TERMINAL
2	1	284080-01	STARTER SOLENOID, STANDARD DUTY
3	1	269583-01	RESERVOIR, 2 GALLON, HORIZONTAL, SIDE MOUNT
4	1	908017-01	DRAIN PLUG
5	1	908018-01	RUBBER GROMMET
6	1	290046	VALVE AND COIL ASSEMBLY "H", 12 VDC, 2-POLE, 4-WAY, DOUBLE SPADE
7	2	290019	VALVE AND COIL ASSEMBLY "E", 12 VDC, 2-POLE, 3-WAY, DOUBLE SPADE
8	1	280806-01	BREATHER
9	1	908016-01	RUBBER GROMMET
10	1	280404	BATTERY CABLE
11	2	906929-01	FLOW CONTROL VALVE, 1-1/2 GPM
12	1	906930-01	RELIEF VALVE, RV1, 2400 PSI
13	1	290033	CHECK VALVE "G"
14	1	262412	OIL FILTER, SPIN ON, 25 MICRON
15	1	296023-12	MANIFOLD ASSEMBLY, SEVERE DUTY
16	1	290035	RELIEF VALVE, "J", 400 PSI
17	1	290043	VALVE AND COIL ASSEMBLY "B", 12 VDC, 2-POLE, 2-WAY, DOUBLE SPADE
18	1	288985-01	PUMP ASSEMBLY, 204, CAST IRON (NOT SHOWN)
19	1	260261	OIL SEAL, PUMP (NOT SHOWN)
20	1	290020	O-RING, PUMP (NOT SHOWN)
21	1	290061	SEAL RING, RESERVOIR (NOT SHOWN)
22	1	905195	ADJUSTABLE RELIEF VALVE, "P" 2000-3500 PSI

## 12 VOLT DC SECONDARY POWER UNIT (OPTIONAL)

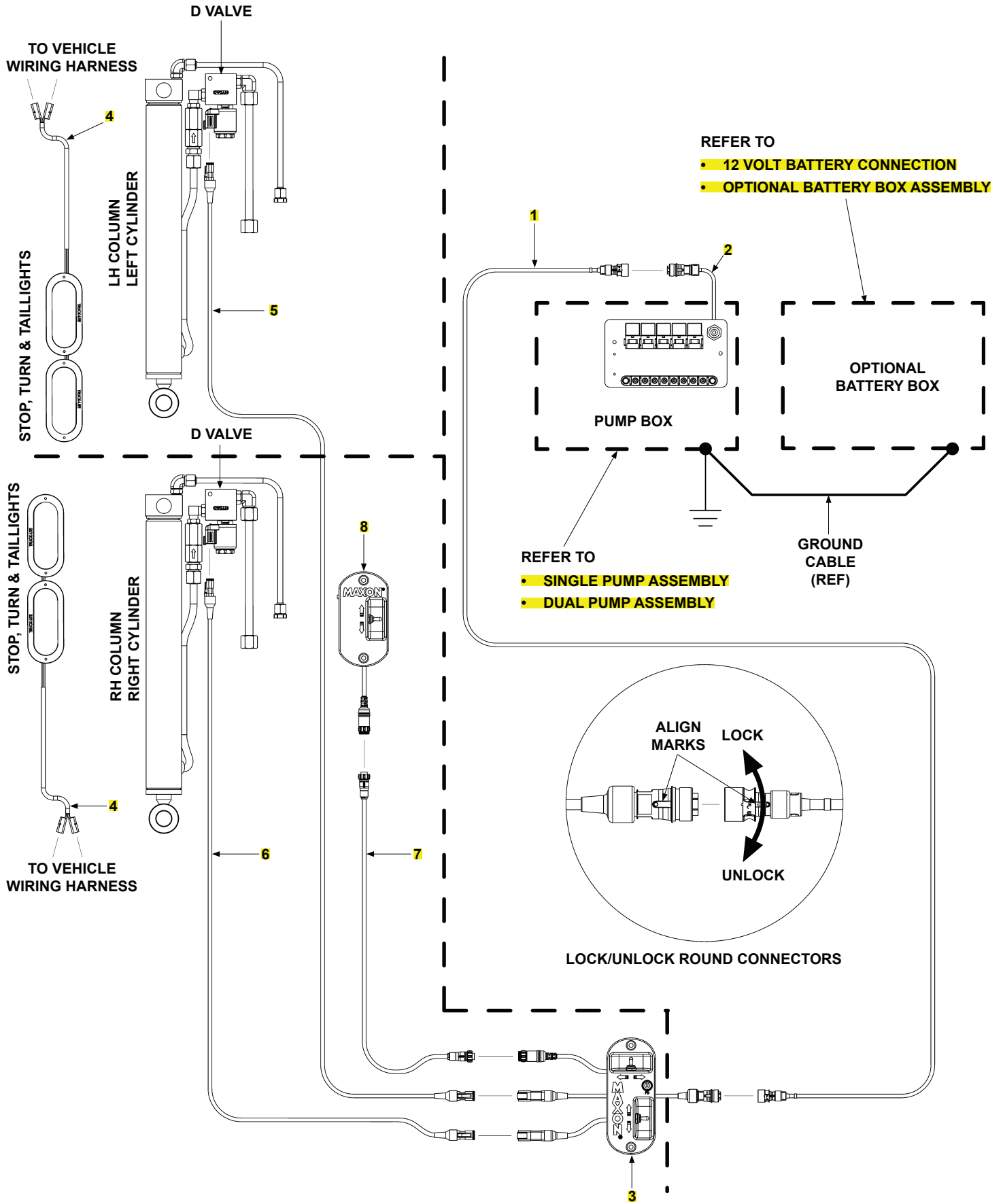
LAST UPDATED  
OCT 2014 to SEPT 2016

**NOTE:** Secondary power unit is the same for gravity down or power down pumps.

**NOTE:** Two 5/16" hex socket head screws fasten the secondary power unit to the pump assembly. Torque the 2 screws to **18 lb-ft +/- 2 lb-ft.**



ITEM	QTY.	PART NO.	DESCRIPTION
REF	1	287675-01	2ND PUMP ASSEMBLY KIT, 12 V
1	1	269565-01	POWER UNIT, 12 VDC, 204 (NO BLOCK)
2	1	284080-01	STARTER SOLENOID, STANDARD DUTY
3	1	280404	BATTERY CABLE

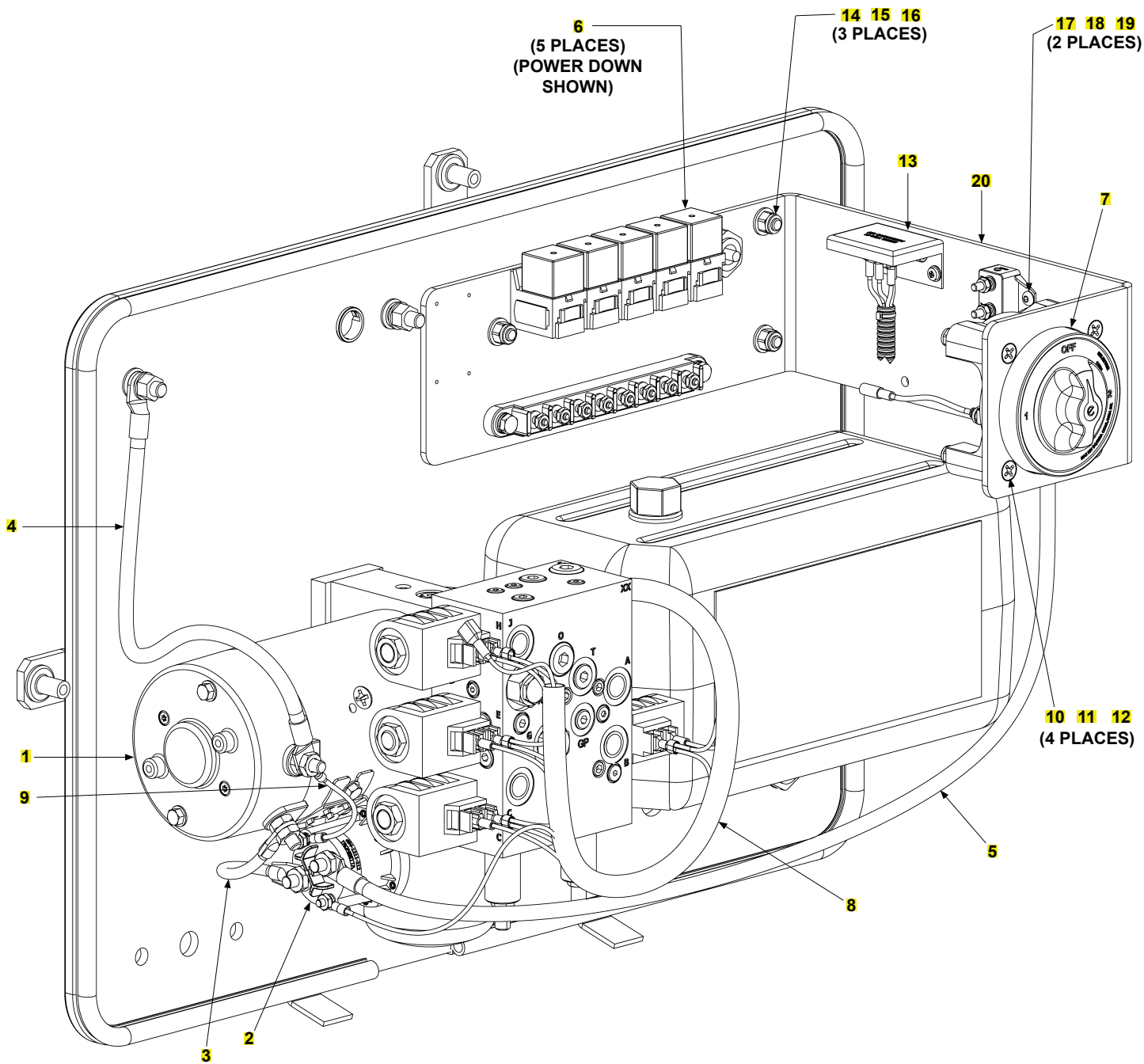


**ELECTRICAL SYSTEMS****LAST UPDATED  
OCT 2014 to SEPT 2016**

<b>ITEM</b>	<b>QTY.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
1	1	289206-01	PUMP EXTENSION CABLE, 6 FT. LG.
		289206-02	PUMP EXTENSION CABLE, 15 FT. LG.
		289206-03	PUMP EXTENSION CABLE, 23 FT. LG.
		289206-04	PUMP EXTENSION CABLE, 31 FT. LG.
		289206-05	PUMP EXTENSION CABLE, 39 FT. LG.
2	1	289868-01	EXTENSION CABLE TO RELAYS
3	1	289210-01	MAIN CONTROL SWITCH, GD
		289210-02	MAIN CONTROL SWITCH, PD
4	2	295916-01	HARNESS ASSEMBLY, STOP/TAIL LIGHTS, LED TO INC
5	1	286268-02	CABLE, MOLDED, 240" LG.
6	1	286268-01	CABLE, MOLDED, 106" LG.
7	1	287165-01	FLEXIBLE CABLE HARNESS
8	1	289220-01	RUNNER SWITCH ASSEMBLY, GRAVITY DOWN
		289220-02	RUNNER SWITCH ASSEMBLY, POWER DOWN

# SINGLE PUMP ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016



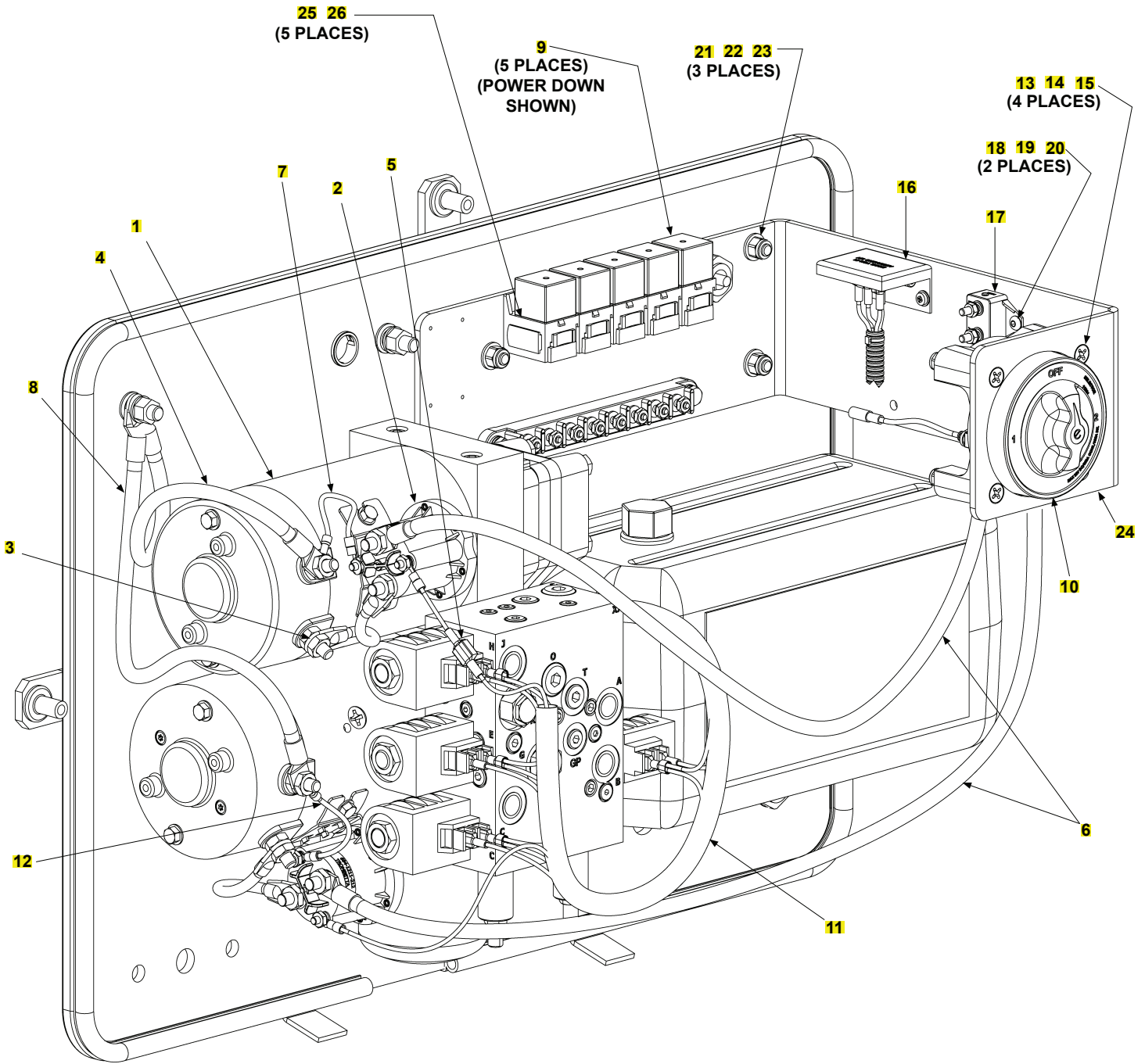
**SINGLE PUMP ASSEMBLY**

**LAST UPDATED  
OCT 2014 to SEPT 2016**

<b>ITEM</b>	<b>QTY.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
1	1	269582-01	MOTOR, 12 VDC, HEAVY DUTY, 2-TERMINAL
2	1	284080-01	STARTER SOLENOID, STANDARD DUTY
3	1	280404	BATTERY CABLE
4	1	268226-01	CABLE ASSEMBLY, 2 GAUGE, 5/16" RING, 10" LG.
5	1	287676-01	CABLE ASSEMBLY, 2 GAUGE, 5/16" RING, 28" LG.
6	5	906578-02	RELAY, 12VDC, 5 PIN, NO TAB (POWER DOWN)
	4	906578-02	RELAY, 12VDC, 5 PIN, NO TAB (GRAVITY DOWN)
7	1	906608-01	CHARGING SYSTEM SWITCH
8	1	289203-01	RELAY PANEL TO VALVE HARNESS
9	1	268342-01	WIRE ASSEMBLY, 16 GAUGE, 7" LG.
10	4	900719-12	BUTTON SCREW, 1/4"-20 X 2-1/4" LG.
11	16	903443-06	FLAT WASHER, 1/4" (NOT SHOWN)
12	10	901000	NYLON NUT, 1/4"-20 (NOT SHOWN)
13	1	295069-12	LATCH RELAY ASSEMBLY, 12V (POWER DOWN ONLY)
14	3	901602-06	HEX BOLT, 5/16"-18 X 1" LG.
15	3	903443-07	FLAT WASHER, 5/16"
16	3	903106-10	NYLON NUT, 10-24, THIN, 5/16"-18
17	2	900722-04	BUTTON SCREW, 10-24 X 5/8" LG.
18	2	903129-01	NYLON NUT, 10-24, THIN
19	2	902013-07	FLAT WASHER #10
20	1	295745-01	RELAY PANEL & SWITCH MOUNTING PLATE

# DUAL PUMP ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016



## DUAL PUMP ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016

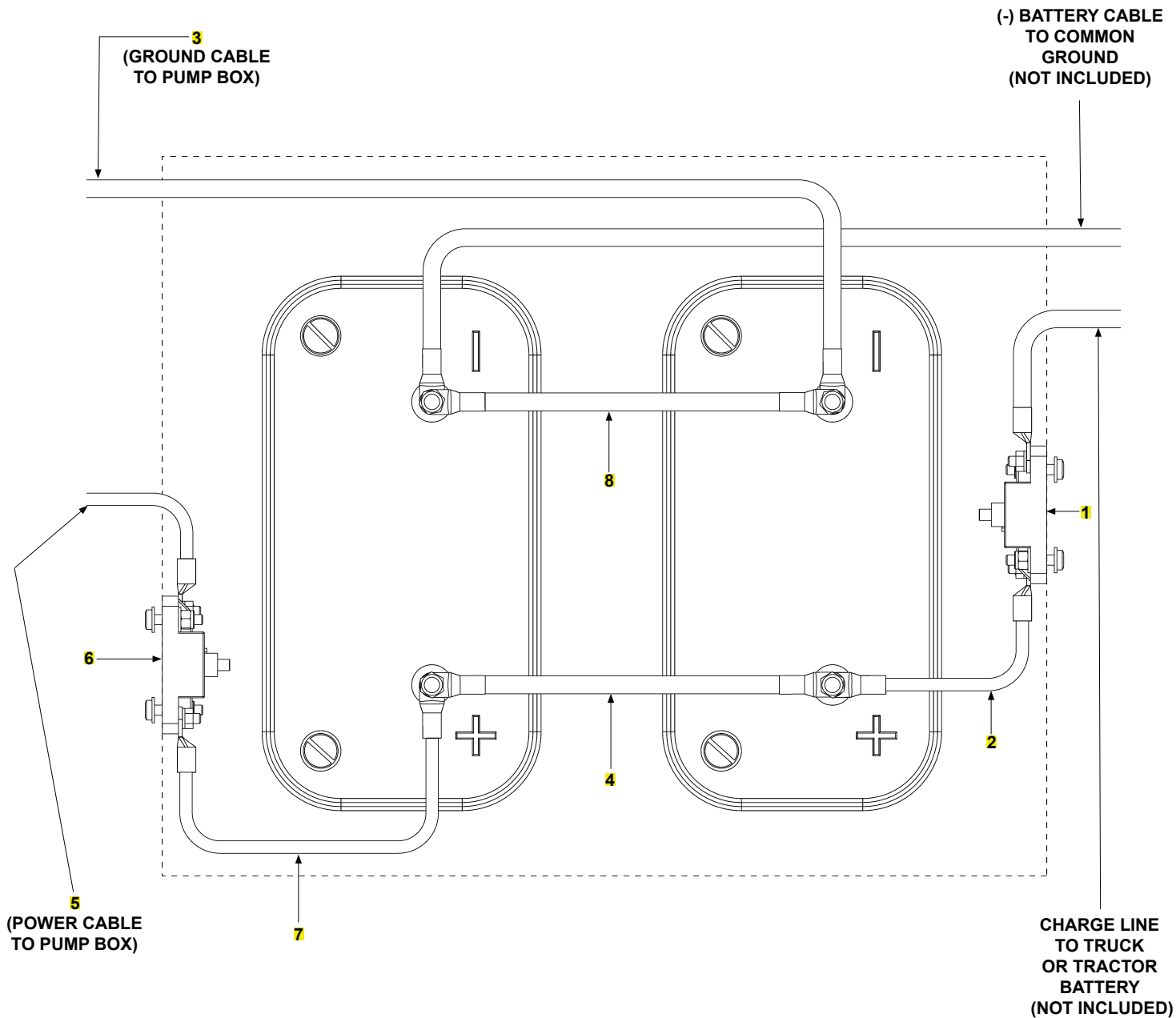
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	269565-01	POWER UNIT, 12 VDC, 204 (NO BLOCK)
2	1	284080-01	STARTER SOLENOID, STANDARD DUTY
3	1	280404	BATTERY CABLE
4	1	268226-01	CABLE ASSEMBLY, 2 GAUGE, 5/16", 3/8" RING, 10" LG.
5	1	287674-01	TRUMBETTA WIRE ASSEMBLY
6	2	287676-01	CABLE ASSEMBLY, 2 GAUGE, 5/16", 3/8" RING, 28" LG.
7	1	268342-01	WIRE ASSEMBLY, 16 GAUGE, 7" LG
8	1	268226-01	CABLE ASSEMBLY, 2 GAUGE, 5/16" RING, 10" LG.
9	5	906578-02	RELAY, 12VDC, 5 PIN, NO TAB (POWER DOWN)
	4	906578-02	RELAY, 12VDC, 5 PIN, NO TAB (GRAVITY DOWN)
10	1	906608-01	CHARGING SYSTEM SWITCH
11	1	289203-01	RELAY PANEL TO VALVE HARNESS
12	1	268342-01	WIRE ASSEMBLY, 16 GAUGE, 7" LG.
13	4	900719-12	BUTTON SCREW, 1/4"-20 X 2-1/4" LG.
14	16	903443-06	FLAT WASHER, 1/4" (NOT SHOWN)
15	10	901000	NYLON NUT, 1/4"-20 (NOT SHOWN)
16	1	295069-12	LATCH RELAY ASSEMBLY, 12V (POWER DOWN ONLY)
17	1	907204-10	CIRCUIT BREAKER, 10AMP, RESETTABLE
18	2	900722-04	BUTTON SCREW, 10-24 X 5/8" LG.
19	2	903129-01	NYLON NUT, 10-24, THIN
20	2	902013-07	FLAT WASHER #10
21	3	901602-06	HEX BOLT, 5/16"-18 X 1" LG.
22	3	903443-07	FLAT WASHER, 5/16"
23	3	903106-10	NYLON NUT, 10-24, THIN, 5/16"-18
24	1	295745-01	RELAY PANEL & SWITCH MOUNTING PLATE
25	5	268984-01	RELAY BRACKET MOUNTING SOCKET
26	5	900007-5	PAN HEAD SCREW, 10-24 X 1/4" LG.



## 12 VOLT BATTERY CONNECTION

LAST UPDATED  
OCT 2014 to SEPT 2016

**NOTE:** MAXON recommends using dielectric grease on all electrical connections.



ITEM	QTY.	PART NO.	DESCRIPTION
1	1	907207-01	CIRCUIT BREAKER, 150 AMP, MANUAL RESET
2	1	269308-12	CABLE ASSEMBLY, 2 GA, RED, 12" LG.
3	1	268226-06	CABLE ASSEMBLY, 2 GA, 74" LG.
4	1	269308-10	CABLE ASSEMBLY, 2 GA, RED, 10" LG.
5	1	285506-07	CABLE ASSEMBLY, 2 GA, RED, 57" LG.
6	1	907230-01	CIRCUIT BREAKER, 200 AMP, TRIP/RESET
7	1	285506-01	CABLE ASSEMBLY, 2 GA, RED, 3/8" RING, 10" LG.
8	1	251871-14	CABLE ASSEMBLY, 2 GA, BLACK, 10" LG.

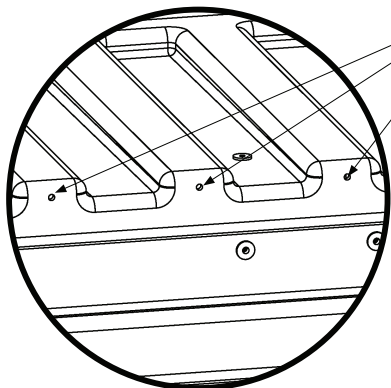
# OPTIONAL BATTERY BOX ASSEMBLY

LAST UPDATED  
OCT 2014 to SEPT 2016

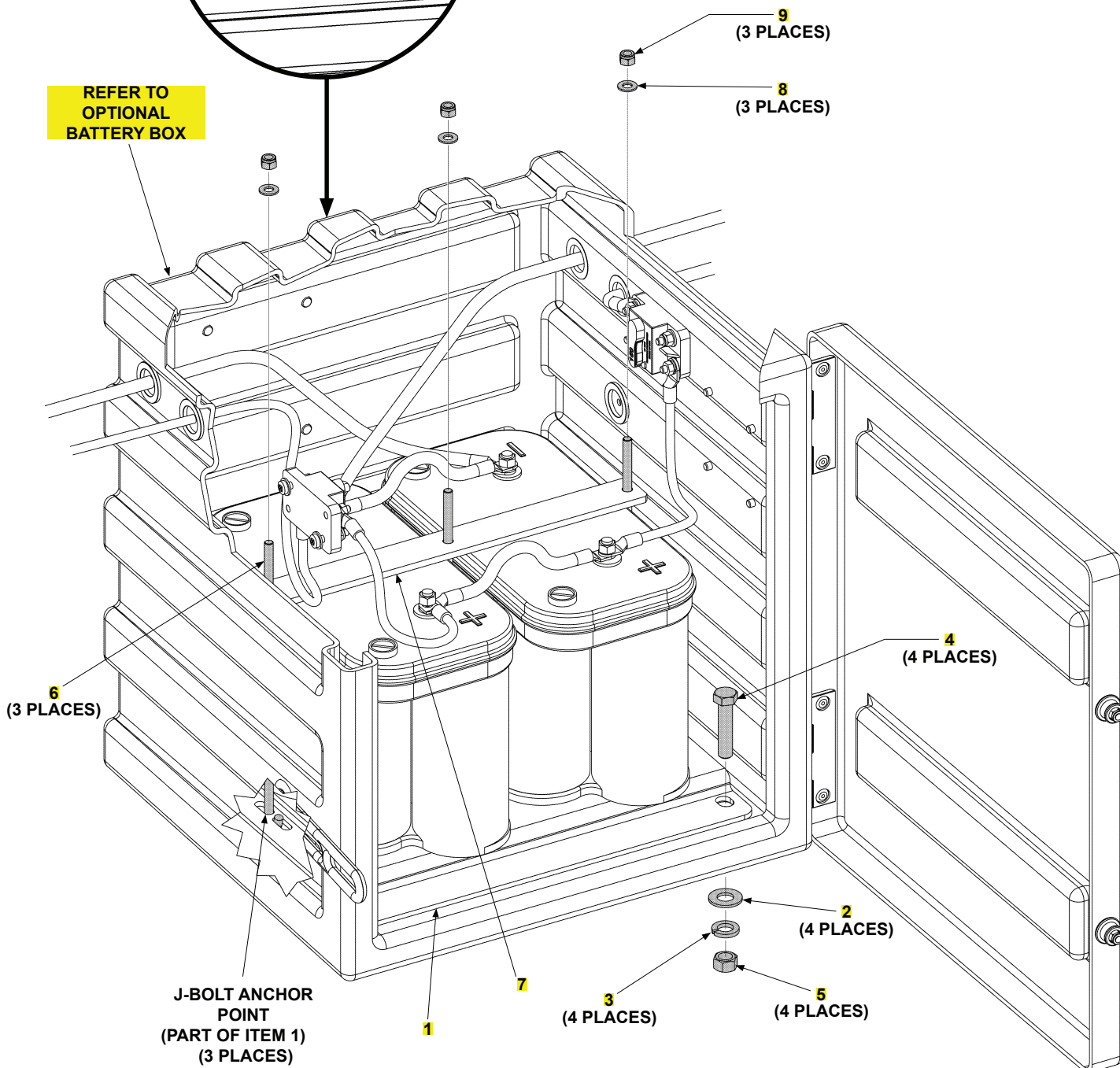
## ⚠ WARNING

Explosive hydrogen gas from charging batteries can accumulate in battery box if not vented from the box. To prevent hydrogen gas from accumulating, ensure the 3 ventilation holes in battery box are not plugged or covered.

VENTILATION HOLES



REFER TO  
OPTIONAL  
BATTERY BOX



J-BOLT ANCHOR  
POINT  
(PART OF ITEM 1)  
(3 PLACES)

3  
(4 PLACES)

5  
(4 PLACES)

2  
(4 PLACES)

4  
(4 PLACES)

8  
(3 PLACES)

9  
(3 PLACES)

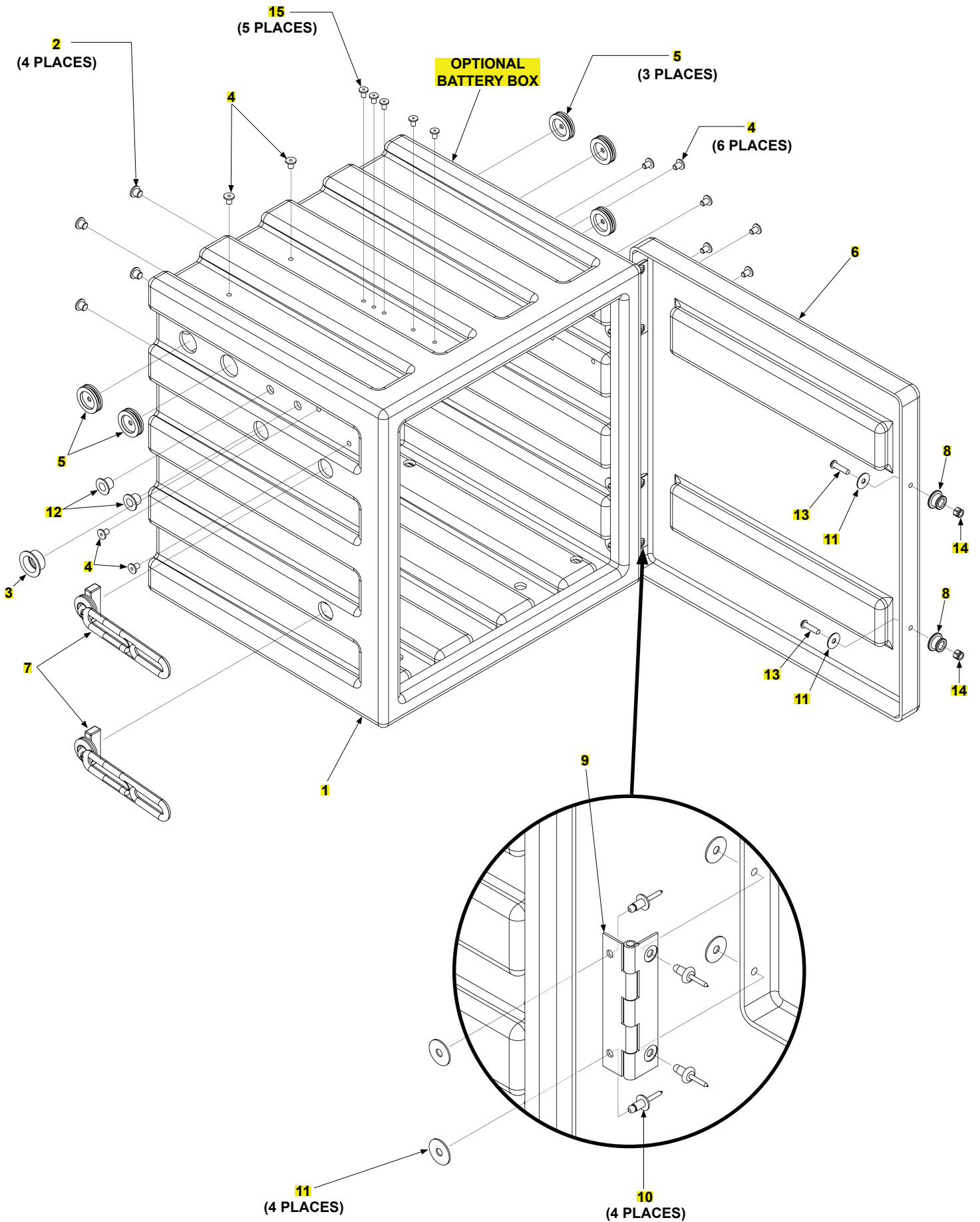
6  
(3 PLACES)

**OPTIONAL BATTERY BOX ASSEMBLY****LAST UPDATED  
OCT 2014 to SEPT 2016**

<b>ITEM</b>	<b>QTY.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
1	1	289871-01	BATTERY MOUNT PLATE WELDMENT (2 BATTERY)
2	4	902013-14	FLAT WASHER, 9/16"
3	4	902011-7	LOCK WASHER, 9/16"
4	4	900033-6	CAP SCREW, 1/2"-20 X 2-1/4" LG, GRADE 8
5	4	901011-10	HEX NUT, 1/2"-20
6	3	289872-01	J-BOLT (BATTERY TIE DOWN), 5/16"
7	1	289874-01	BATTERY STRAP (2 BATTERY)
8	3	902013-10	FLAT WASHER, 5/16"
9	3	903106-10	NYLON NUT, 5/16"-18

# OPTIONAL BATTERY BOX

LAST UPDATED  
OCT 2014 to SEPT 2016



**OPTIONAL BATTERY BOX****LAST UPDATED  
OCT 2014 to SEPT 2016**

<b>ITEM</b>	<b>QTY.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
REF	1	269561-01	BATTERY BOX ASSEMBLY
1	1	289854-01	BOX
2	4	908022-03	FLEXIBLE PLUG, 5/16"
3	1	908022-08	FLEXIBLE PLUG, 1-1/16"
4	10	908022-07	FLEXIBLE PLUG, 1/4"
5	5	266428-02	GROMMET, 1" DIAPHRAGM, 1/4" HOLE
6	1	269558-01	COVER
7	2	908193-01	RUBBER LATCH
8	2	908194-01	FASTENING KNOB
9	2	285970-01	HINGE ASSEMBLY, PLASTIC
10	8	903715-03	BLIND RIVET, 1/4" X 1/4"-3/8"
11	10	903438-01	WASHER, 1/4"
12	2	908022-05	FLEXIBLE PLUG, 9/16"
13	2	900719-07	BUTTON HEAD SCREW, 1/4"-20 X 1" LG.
14	2	903137-01	LOCK NUT, 1/4"-20, NYLON
15	5	908022-01	FLEXIBLE PLUG, 1/4" X 1/2"

# DECALS

LAST UPDATED  
OCT 2014 to SEPT 2016

**NOTE:** Preferred decal layout is shown. Decals on the Liftgate are attached at the factory. If vehicle does not permit this layout, decals in the manual and decal kit must be applied so that they are easily visible when approaching vehicle to operate Liftgate. Use good common sense when locating these decals on vehicle.

**WARNING**  
Read this information carefully.

- \* Proper operation of this Liftgate can result in serious personal injury or death. Read a copy of the operating instructions, check often from front of vehicle. (A) (B) (C) or a label before you operate the Liftgate.
- \* If there are signs of improper maintenance, damage to rear seats, or slippery platform surfaces, do not use the Liftgate until these problems have been corrected.
- \* If you are using a pallet jack, be sure it can be maneuvered safely.
- \* Do not operate a load on the platform.
- \* Do not allow any part of your or your helper's body to be placed under, within or against any portion of the liftgate, or its components, or to be located in the overhead.
- \* If a helper is using the platform with you, make sure you are both doing so safely and that you are not in danger of coming in contact with any moving or stationary part.
- \* Read OTHER CAUTIONS below.
- \* If a load appears to be unstable, do not lift or lower it.

For the safety of other persons operating the motor, please refer to the vehicle's owner's manual for details. [www.ford.com](http://www.ford.com) and Customer Service: 1-800-392-2773


**SAFETY INSTRUCTIONS**  
Read all decals and operation manual before operating liftgate.

1. Do not use Liftgate unless you have been properly instructed and have read, and the vehicle with, the operating instructions.
2. Be certain vehicle is properly and securely braked before using the liftgate.
3. Always respect this liftgate for maintenance or damage before using it. Do not use liftgate if it shows any sign of damage or improper maintenance.
4. Do not overload.
5. Make certain the area in which the platform will open and close is clear before opening or closing the platform.
6. Make certain platform area, including the area in which loads may fall from platform, is clear before and at all times during operation of liftgate.
7. The liftgate is intended for loading and unloading of cargo only. Do not use this liftgate for anything but its intended use.

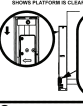
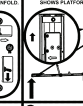
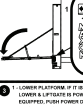
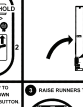
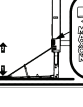
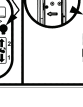
**THE MAXIMUM CAPACITY OF THIS LIFT IS**  
**LB [      ] KG]**  
WHEN THE LOAD IS CENTERED ON THE LOAD CARRYING PLATFORM  
(REFER TO TABLE 21-1)

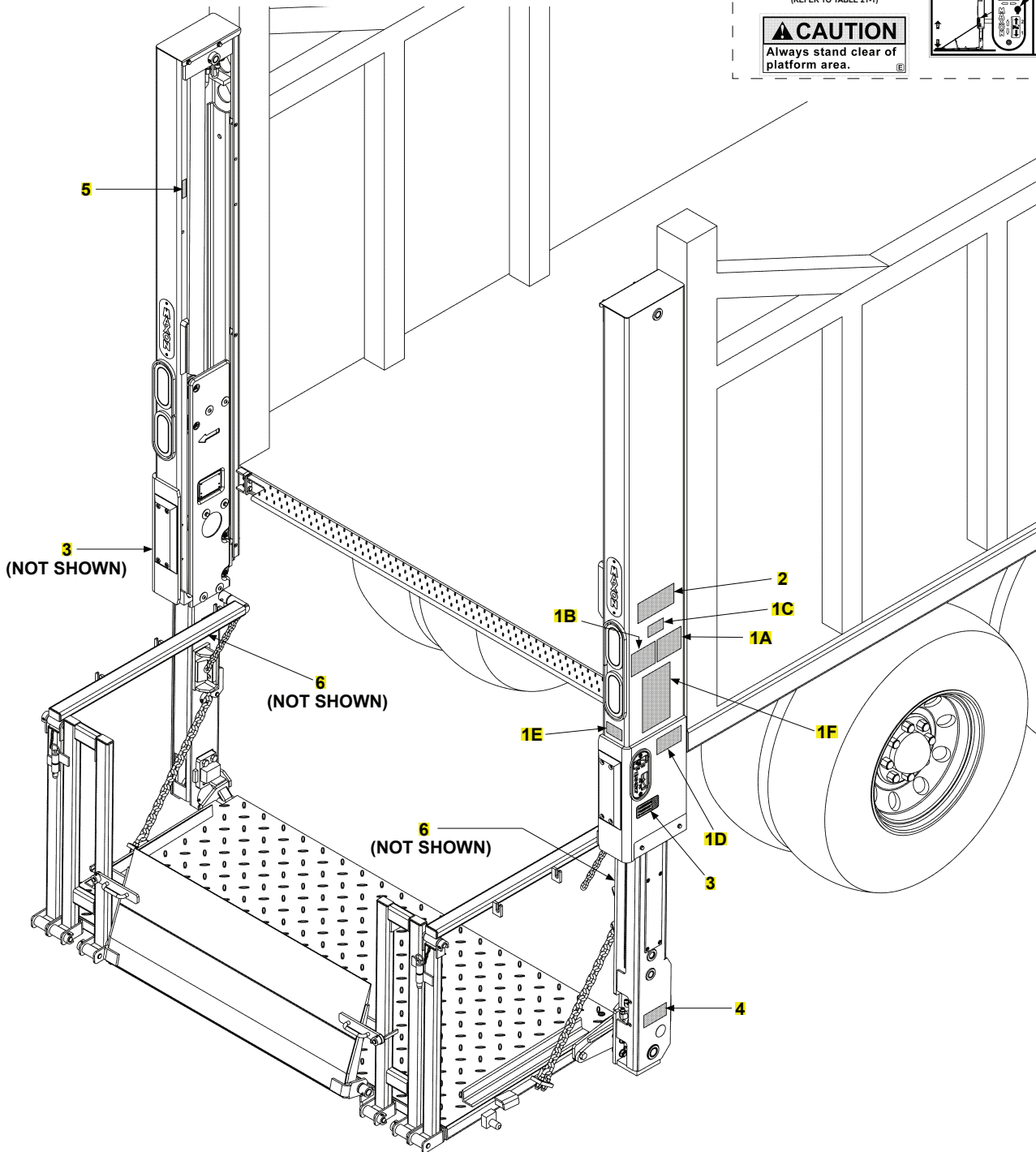
**CAUTION**  
Always stand clear of platform area.

**WARNING**  
Liftgate hazards can result in crushing or falling.  
Keep hands and feet clear of pinch points.  
If riding liftgate, make sure load is stable and footing is solid.  
Read and understand all instructions and WARNINGS before use.



**OPERATING INSTRUCTIONS**

OPERATE	STOW
<p>1. LOWER PLATFORM TO LINE UP YELLOW ARROWS WITH YELLOW STRIPS. THIS SHOWS PLATFORM IS CLEAR TO UNFOLD.</p> 	<p>1. RAISE PLATFORM TO LINE UP YELLOW ARROWS WITH YELLOW STRIPS. THIS SHOWS PLATFORM IS CLEAR TO FOLD.</p> 
<p>2. UNFOLD PLATFORM.</p> 	<p>2. FOLD PLATFORM.</p> 
<p>3. LOWER PLATFORM IF IT IS BLOWN TO LOWER PLATFORM BY POWER WINDOW EQUIPPED, AND/OR POWER WINDOW BUTTON.</p> <p>2. RAISE PLATFORM.</p> 	<p>3. RAISE PLATFORM TO STOW PLATFORM.</p> 



**DECALS**

**LAST UPDATED  
OCT 2014 to SEPT 2016**

<b>ITEM</b>	<b>QTY.</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
1	1	289163-01	BMR-CS-35 DECAL SHEET
		289163-02	BMR-CS-44 DECAL SHEET
1A	1	289163-01	SAFETY INSTRUCTIONS DECAL (ORDER DECAL SHEET)
		289163-02	SAFETY INSTRUCTIONS DECAL (ORDER DECAL SHEET)
1B	1	289163-01	WARNING DECAL (ORDER DECAL SHEET)
		289163-02	WARNING DECAL (ORDER DECAL SHEET)
1C	1	289163-01	MAXIMUM CAPACITY DECAL 3500 LBS. (1600 KG) (ORDER DECAL SHEET)
		289163-02	MAXIMUM CAPACITY DECAL 4400 LBS. (2000 KG) (ORDER DECAL SHEET)
1D	1	289163-01	WARNING DECAL (ORDER DECAL SHEET)
		289163-02	WARNING DECAL (ORDER DECAL SHEET)
1E	1	289163-01	CAUTION DECAL (ORDER DECAL SHEET)
		289163-02	CAUTION DECAL (ORDER DECAL SHEET)
1F	1	289163-01	OPERATING INSTRUCTIONS DECAL (ORDER DECAL SHEET)
		289163-02	OPERATING INSTRUCTIONS DECAL (ORDER DECAL SHEET)
2	1	282847-01	STOW WARNING DECAL
3	2	283445-01	FAMILY OWNED DECAL
4	1	288966-01	WARNING DECAL
5	1	090175-15	TAPE, YEL REFL, 3"X 4.1LG
6	2	260552	CAUTION DECAL