

# Multiple Animal Scale – Portable Multiple Animal Scale – Mobile

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# Repair Parts Manual

## Early Rice Lake Models



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WEIGHING SYSTEMS

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153063 Rev A



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# 1.0 Multiple Animal Scale Portable (MAS-P)

## 1.1 Legacy and Early Rice Lake Models

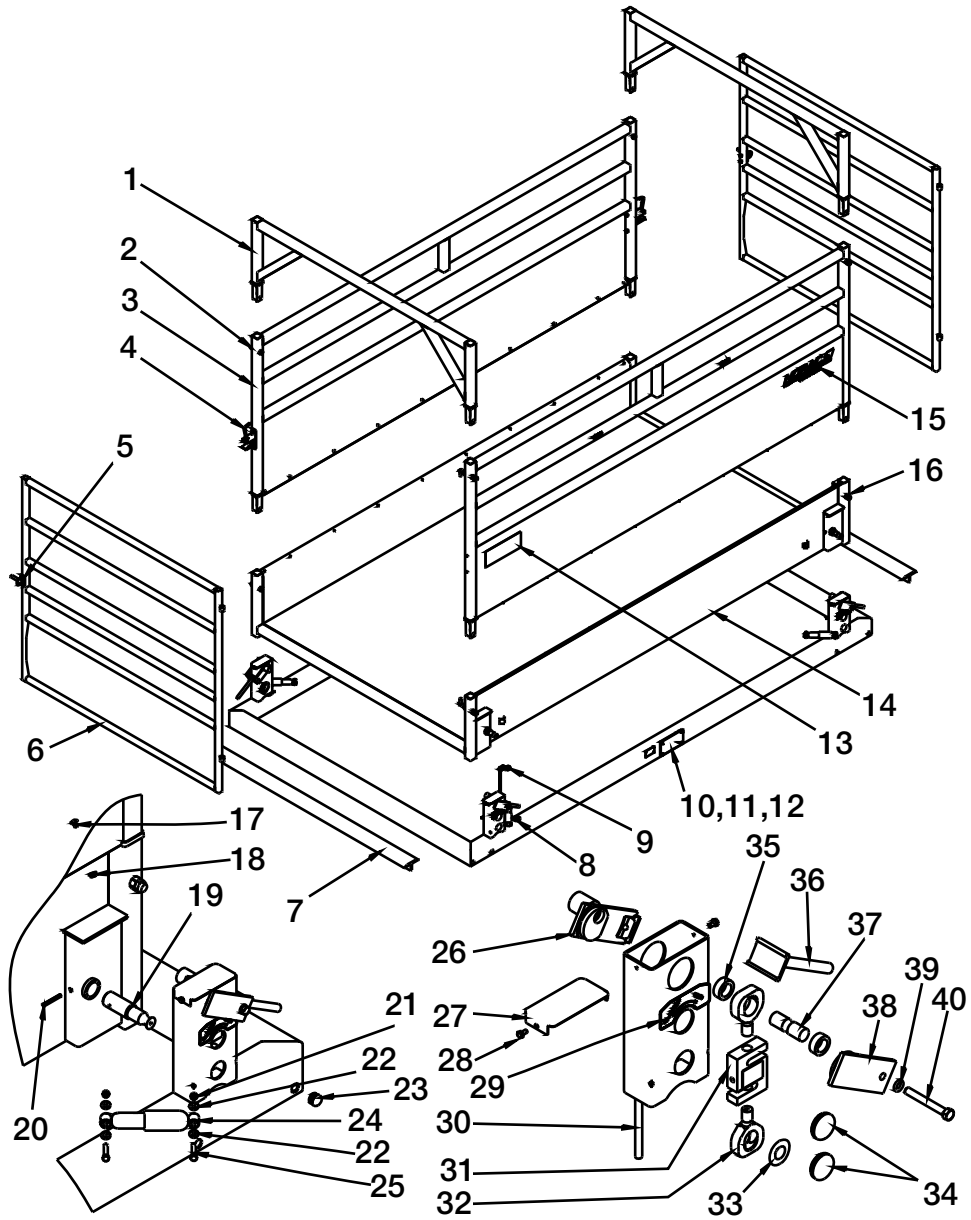


Figure 1-1. Part Illustration For:

**Legacy Manual PN 42732**  
**Rice Lake Manual PN 127457**

Key	Legacy PN	RLWS PN	Description
1	42812		Cage Crossmember
2	102173	127042	Bolt 3/4x3-1/2
	100872	126997	Locknut Nylon 3/4
3	42811		Cage Wall 13'
	42831		Cage Wall 18'
4	41-05-4	127581	Cattle Scale Cage Latch
5	41111		Latch Pin Assembly Removable
6	106056		Gate Short Sheeted
7	31115	126786	Scale T-belting (83" width)
8	101258	127081	Bubble Level Circular
9	31102S-S132	127561	Scale Cable Female MS Conn 132"
10	42836		Cover Plate Scale Frame/J-box
11	105649	126819	Foam Gasket J-box
12	92128	127976	Scale Junction Box 4 Cell SS
13	105280	127091	Label Basic Operating Instructions
14	42810		Cage Floor MAS8-13
	42830		Cage Floor MAS8-18
15	104074	127102	Label Silver 20"
16	104468	127113	Bolt Hook Lip Gate 3/4x6
	104473	14686	Jam nut 3/4
	102134	15181	Lockwasher 3/4
17	106087	126951	Bolt Carriage 5/16x1/2
18	106083	126950	Nut 5/16 Flanged Serrated
19	42833		Lower Notched Load Cell Pin
20	104877	126926	Pin Spring Slotted 1/4x2-1/4
21	100851	126992	Nut 3/8 SS
22	100929	15161	Flat washer 3/8 SS SAE
23	105439	126788	Plug Plastic Round 1-1/8"
24	42843		Scale Damper Assembly w/Bushings
25	100613	22093	Bolt 3/8x2
26	42673	127676	Cam with Lockdown
27	106082		Load Cell Cam Stand Cover SS
28	100667	127007	Bolt 1/4x1/2
30	105213	127064	Hose Grip Tight 1/4 - 6.5" Long
31	82856	127418	Load Cell S-Type 10K
32	42256	127163	Eyebolt Machined 5K/10K
33	42633	127668	Lower Load Cell Retainer
34	42694	127684	Plug Plastic Round 2"
35	42675	127165	Spacer Upper Notched Pin
36	42825		Cam Handle
37	42832		Upper Notched Load Cell Pin
38	42672	127675	Cam Without Lockdown
39	100948	15167	Lockwasher 1/2
40	100599	14765	Bolt 1/2 x 4

Table 1-1. Parts List for :

**Legacy Manual PN 42732**  
**Rice Lake Manual PN 127457**

# 2.0 Multiple Animal Scale Mobile (MAS-M)

## 2.1 Legacy and Early Rice Lake Models

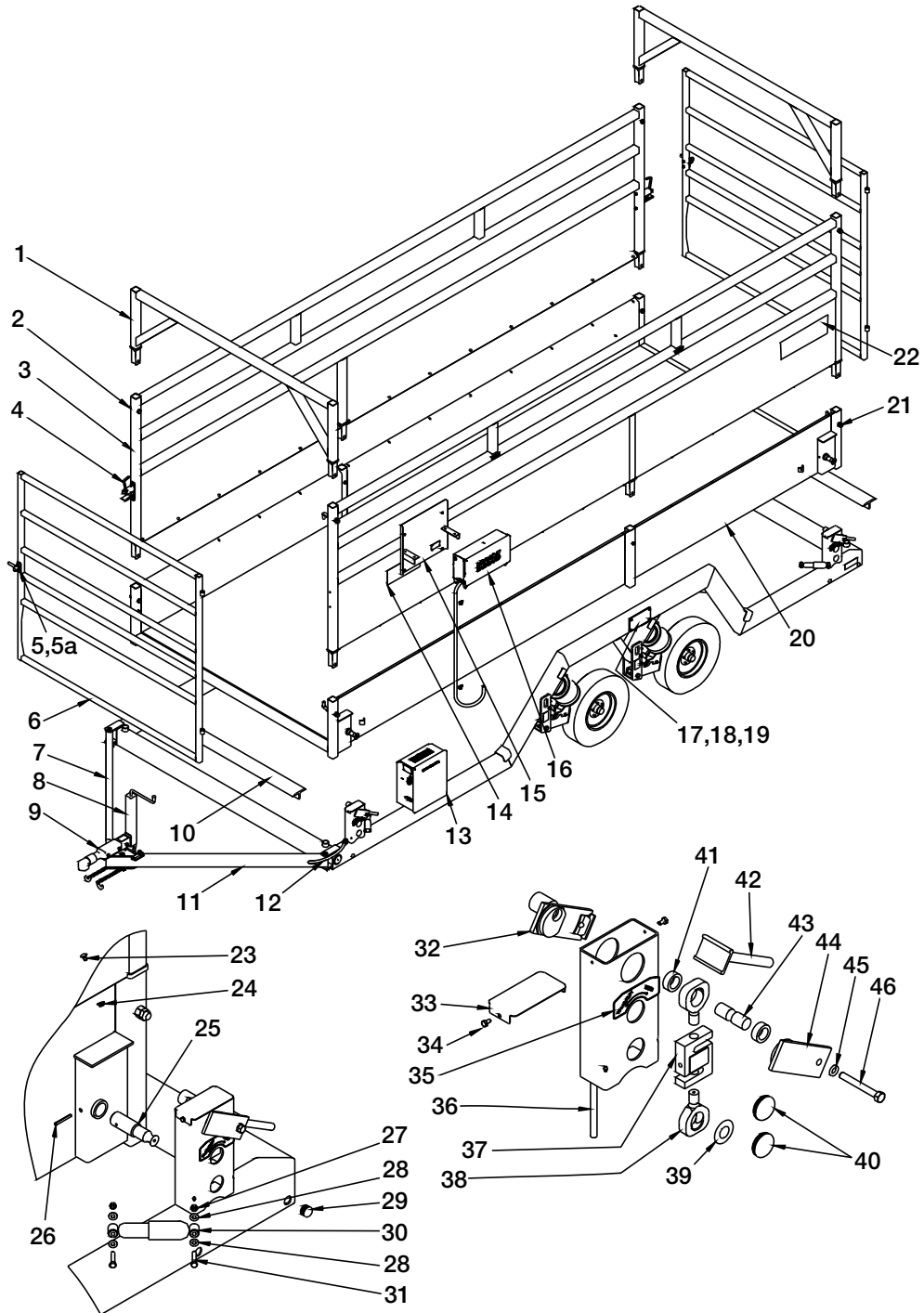


Figure 2-1. Parts Illustration for:

**Legacy Manual PN 42733**  
**Rice Lake Manual PN 127464**

Key	Legacy PN	RLWS PN	Description
1	42812	127172	Cage Cross-member
2	102173	127042	Bolt 3/4x3-1/2
	100872	126997	Locknut Nylon 3/4
3	42811	127726	Cage Wall 13'
	42831	127739	Cage Wall 18'
4	41-05-4	127581	Cattle Scale Cage Latch
	41111	127583	Latch Pin Assembly Removable
5a	105333	127262	Hose Plastic EVA 3/4 " x 3" long
6	106056	127308	Gate Short Sheeted
7	42817		Hitch Member Left
8	42803	127716	Jack w/ Drop Leg and Mount
9	42801	127715	Hitch Coupler Mobile MAS
	31115	126786	Scale T-beltting (83" width)
11	42818		Hitch Member Right
12	42820	127727	Standard Hitch Cable w/Connectors
13	42809	127721	Battery Box w/ compressor and wiring
14	105280	127091	Label Basic Operating Instructions
	42829	127737	Indicator Mounting Bracket
16	42770M	127710	Weigh Center w/ Indicator and cables
17	42836	127740	Cover Plate Scale Frame/J-box
18	105649	126819	Foam Gasket J-box
19	92128	127976	Scale Junction Box 4 Cell SS
	42810	127725	Cage Floor MAS8-13
	42830	127738	Cage Floor MAS8-18
21	104468	127113	Bolt Hook Lip Gate 3/4x6
	104473	14686	Jam nut 3/4
	102134	15181	Lockwasher 3/4
22	104074	127102	Label Silver 20"
23	106087	126951	Bolt Carriage 5/16x1/2
24	106083	126950	Nut 5/16 Flanged Serrated
	42833	127177	Lower Notched Load Cell Pin
26	104877	126926	Pin Spring Slotted 1/4x2-1/4
27	100851	126992	Nut 3/8 SS
28	100929	15161	Flat washer 3/8 SS SAE
29	105439	126788	Plug Plastic Round 1-1/8"
30	42843	128626	Scale Damper Assembly w/Bushings
31	100613	22093	Bolt 3/8x2
32	42575		Cam with Lockdown
33	106082	127200	Load Cell Cam Stand Cover SS
34	100667	127007	Bolt 1/4x1/2
35	105275	127094	Label MASM Transport Weigh Mode
36	105213	127064	Hose Grip Tight 1/4 - 6.5" Long
37	82856	127418	Load Cell S-Type 10K
38	42256	127163	Eyebolt Machined 5K/10K
39	42633	127668	Lower Load Cell Retainer
40	42694	127684	Plug Plastic Round 2"
41	42675	127165	Spacer Upper Notched Pin
42	42825	127732	Cam Handle
43	42832	128184	Upper Notched Load Cell Pin
44	42574	127675	Cam Without Lockdown
		127676	Cam With Lockdown
45	100948	15167	Lockwasher 1/2
46	100599	14765	Bolt 1/2x4
	31102SS132	127561	Scale Cable Female MS Conn 132"

Table 2-1. Parts List for:

**Legacy Manual PN 42733**  
**Rice Lake Manual PN 127464**

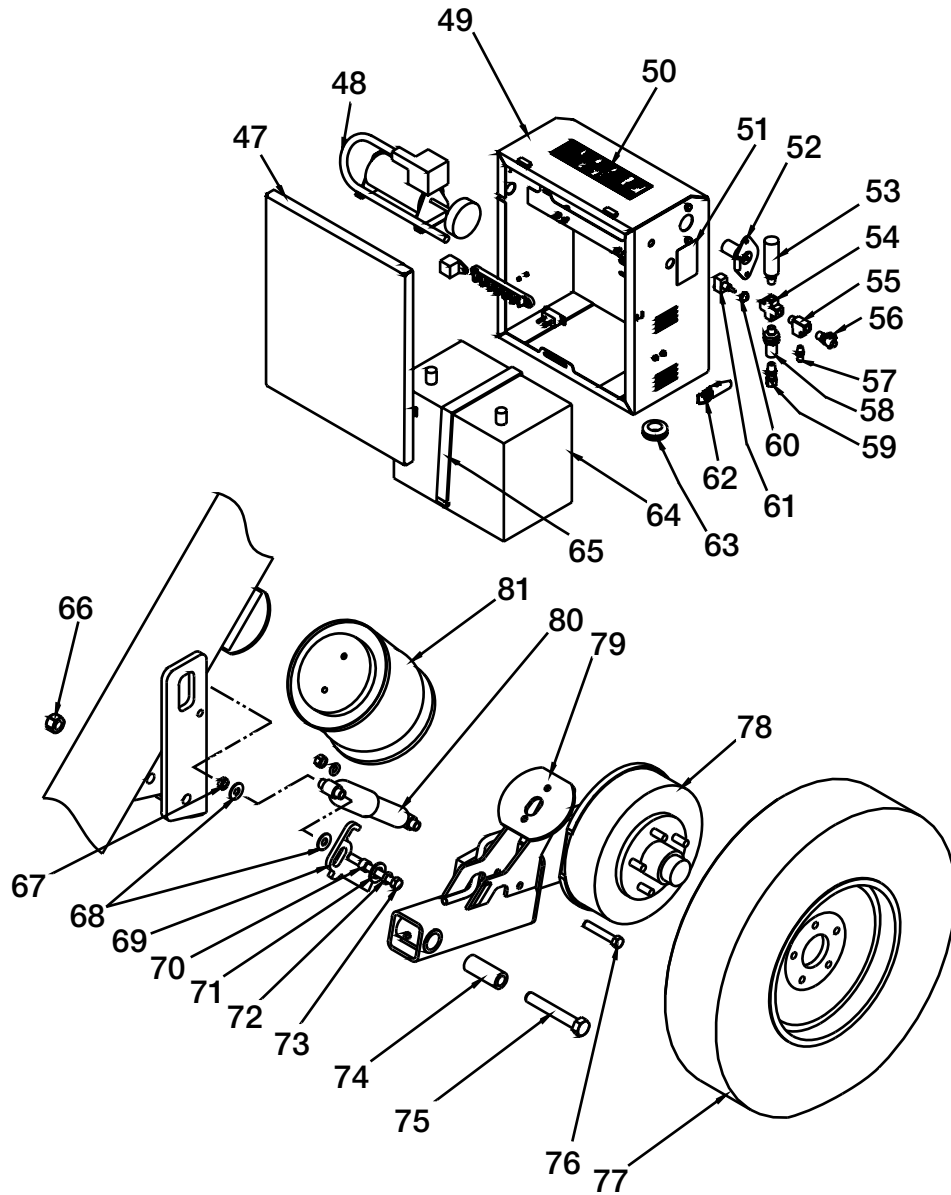


Figure 2-1 Parts Illustration (Continued) for:

**Legacy Manual PN 42733**  
**Rice Lake Manual PN 127464**



Key	Legacy Part #	RLWS Part #	Description
47	42808	127720	Door Assembly Battery Box
48	104823	127414	Air Compressor 12V
49	42807	127170	Battery housing
50	104948	128266	Label "Not for Transportation ...."
51	104310		Label Hitch Plug Wiring
52	104408	127393	6 Way Round Trailer Receptacle
53	106038	127406	Relief Valve Air 150 PSI
54	106010	126900	4FP Brass Cross
55	104748	127070	Brass Tee Forger 4FP
56	103983	126891	Valve Brass Drain Cock
57	104843	127399	Valve Air Tank w/ Core and Cap
58	106011	126901	Fitting Brass 4FP Terminal Bolt
59	106012	126902	Fitting Brass 4MP to ¼ Synflex
60	102178	128108	Switch Seal Hex
61	104830	127398	Switch ON/OFF
62	106103	127289	Latch SS Pull Up
63	106017	126944	Grommet 1-3/8 x 1/4
64	104763	127406	Battery Deep Cycle Marine
65	106016	127073	Strap 1" with Clasp
66	100872	126997	Nut Lock Nylon ¾
67	104335		Nut Jam ½
68	102340	127046	Washer 7/16 USS
69	42826	127733	Suspension Stop Arm
70	42837	127178	Bushing Suspension Stop
71	100932	15179	Washer ¾ SAE
72	100948	15167	Lock washer ½
73	100604	14768	Bolt ½ x4-1/2
74	42804	127169	Bushing Pivot Axle
75	100576	14788	Bolt ¾ x 5
76	100598	14757	Bolt ½ x 3
77	106008	127129	Tire and Rim 205/75/R13
78	Page 42		Dexter 3500# Axle w/ 10x2.5 Brakes
79	42805	127718	Axle Arm Left
	42806	127719	Axle Arm Right
80	42844	127745	Suspension Shock Absorber
81	106001	127405	Air Spring 2B8-250
	105920	127402	Terminal Block 6 Pole
	104828	127397	Relay Headlight 12v
	103537	127076	Circuit Breaker 12V 30 Amp

Table 2-1 Parts List (Continued) for:

**Legacy Manual PN 42733**  
**Rice Lake Manual PN 127464**

## 2.2 Early Rice Lake Models

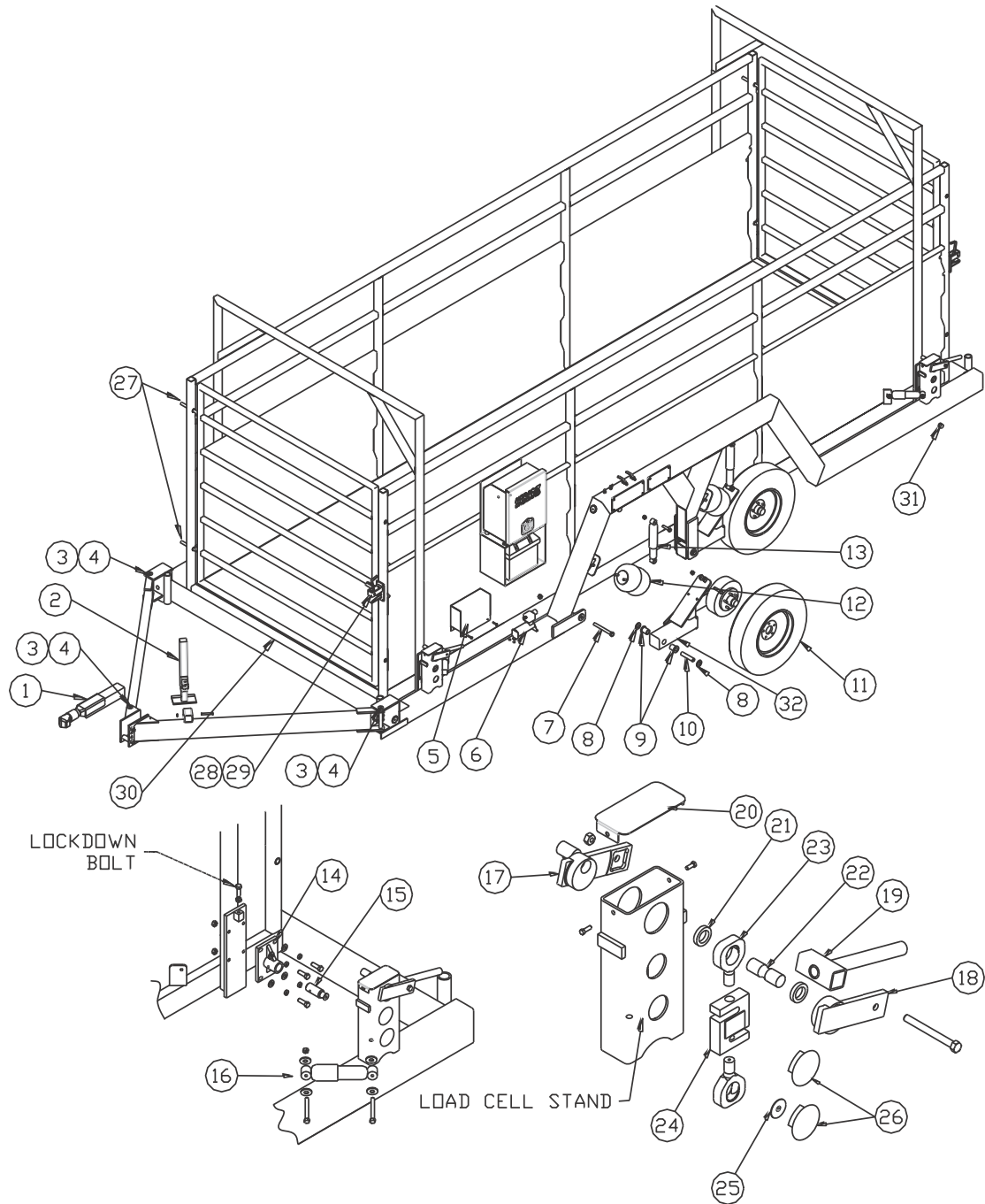


Figure 2-2. Parts Illustration for:

**Legacy Manual PN 42559n  
(SN 03600 and previous)**

Key	Legacy Part #	RLWS Part #	Description
1	42688		2" Hitch Coupler, 7000lb
2	42684	127679	15" Screw Jack, 7000lb
3	42658	127672	Hitch pin Mobile MAS
4	100968	126966	Hitch Clip 3/16x3-1/4
5	42693	127683	Compressor Box
6	104823	127414	Air Compressor
	104828	127397	Relay Headlight 12V 40A SP ST
7	100702		Bolt 3/4x8 Grade 8
8	102473		1" SAE Flat Washer
9	42555	127645	Axle Bushing 1/8" Lip (requires 10,10b)
10	42686		Axle Bushing Pivot Tube (requires 10b)
11	104783	129120	Rim 5 Bolt White Spoke w/205/75-R15
12	104735	127388	Suspension Air Bag
13	104819	126778	Gas Shock Absorber Yellow (S/N 04727 and earlier)
	105330	127375	Gas Shock Absorber Blue (S/N 04728 and later)
14	42576		Mount Lower Load Cell Pin
15	42577	127646	Lower Notched Load Cell Pin
16	104825	129067	Scale Damper
17	42575		Cam with Lockdown
18	42574		Cam Without Lockdown
19	42578		Cam Handle
20	42579		Cell Mount Cover
21	42262	127164	Spacer Upper Notched Pin
22	42582	127647	Upper Notched Load Cell Pin
23	42256	127163	Eyebolt Machined 5K/10K
24	82855	21443	Load Cell S-Type 5K (13' or 14' scale)
	82856	21444	Load Cell S-Type 10K (19' or 20' scale)
25	42680	128600	Lower Load Cell Retainer
26	42696	128605	Plug Plastic Round 2-1/4"
27	104468	127113	Hook Bolt for Gate
28	41-05-5	127582	Cattle Scale Cage Latch
29	104362	126939	U-bolt 3x3/8x2 w/ nuts
30	31115		Scale T-belting (77" length)
31	105439	126788	Plug Plastic Round 1-1/8"
32	42584-2		Axle Arm w/ Air Bag Mount

Table 2-2. Parts List for:

**Legacy Manual PN 42559n  
(SN 03600 and previous)**

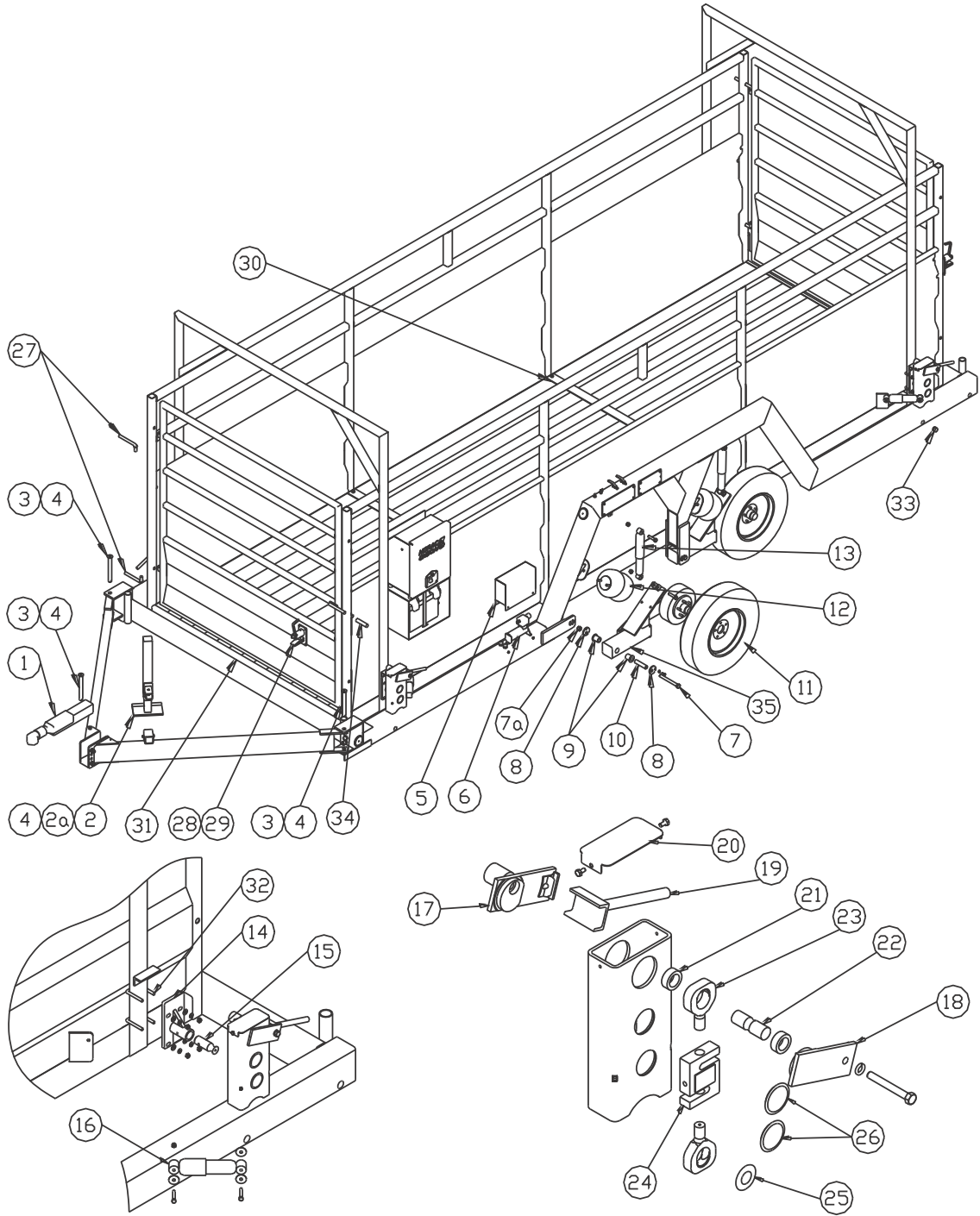


Figure 2-3. Parts Illustration for:  
**Legacy Manual PN 42559n**  
**(SN 03601)**

Key	Legacy Part #	RLWS Part #	Description
1	42688		2" Hitch Coupler, 7000lb
2	42684	127679	Hitch Jack for MMAS, 7000lb
2a	42685	127680	Hitch Jack Pin
3	42658	127672	Hitch pin Mobile MAS
4	100968	126966	Hitch Clip 3/16x3-1/4
5	42693	127683	Compressor Box
6	104823	127414	Air Compressor
	104828	127397	Relay Headlight 12V 40A SP ST
7	100702		Bolt 3/4x8 Grade 8
7a	100872		Nut Nylon Lock 3/4
8	105255	128474	Alignment Washer Mobile MAS
9	42555	127645	Axle Bushing 1/8 Lip
10	42686	127681	Axle Bushing Pivot Tube
11	104783	129120	Rim 5 Bolt White Spoke w/205/75-R15
12	104735	127388	Suspension Air Bag
13	104819	126778	Gas Shock Absorber Yellow (S/N 04727 and earlier)
	105330	127375	Gas Shock Absorber Blue (S/N 04728 and later)
14	42671	128915	Mount Lower Load Cell Pin
15	42577	127646	Lower Notched Load Cell Pin
16	104825	129067	Scale Damper
17	42673	127676	Cam with Lockdown
18	42672	127675	Cam Without Lockdown
19	42674	127677	Cam Handle
20	105203	127357	Cell Mount Cover
21	42675	127165	Spacer Upper Notched Pin
22	42582	127647	Upper Notched Load Cell Pin
23	42256	127163	Eyebolt Machined 5K/10K
24	82855	21443	Load Cell S-Type 5K (14' scale)
	82856	21444	Load Cell S-Type 10K (14' scale S/N 05869 and later)
25	42633	127668	Lower Load Cell Retainer
26	42696	128605	Plug Plastic Round 2-1/4" (S/N 05804 and earlier)
	42694	127684	Plug Plastic Round 2" (S/N 05805 and later)
27	104468	127113	Hook Bolt for Gate
28	41-05-5	127582	Cattle Scale Cage Latch
29	104362	126939	U-bolt 3x3/8x2 w/ nuts
30	42677		Wood Hold Down T Section
31	31115		Scale T-belting (77" length)
32	105273	127923	U-bolt 3/8x2x3
33	105439	126788	Plug Plastic Round 1-1/8
34	105333	127262	Hose EVA 3/4"
35	42584	128927	Axle Arm Roadside w/ Air Bag Mount
	42585	128928	Axle Arm Curbside w/ Air Bag Mount (S/N 05885 and later)
	42584-2		Axle Arm Roadside w/ Air Bag Mount
	42585-2		Axle Arm Curbside w/ Air Bag Mount (S/N 05884 and earlier)

Table 2-3. Parts List for:

**Legacy Manual PN 42559n  
(SN 03601)**

Other Parts		
Legacy Part #	RLWS Part #	Description
42682	128920	Cover Plate Junction Box
42683	128933	Cover Plate Air Panel
42676	127687	Battery Lock Bar
42670		Scale Junction Box with Trim Board
19128	127976	Scale Junction Box w/ Trim Board & Sealed Lid
104765	127389	Trailer Plug 6 Way Round
104763	127106	Battery 12V Deep Cycle
104462	128423	Battery Box w/ Lid
42318	128673	110V Indicator Power Option
42348		TMU200 3" Tape Printer w/ cable
42329	127631	TM295 Ticket Printer w/ cable
42695	127685	Magnetic Lighting Kit

Table 2-4. Parts List for:

**Legacy Manual PN 42559n  
(SN 03600 and SN 03601)**

## 3.0 All Models

### 3.1 Gates

Model	Gate PN	Description
MASM7-X	MASG-77	77" Opening Non Sheeted
	MASG-77S(L)	77" Opening 4' Sheeting (3' Sliding)
	MASG-77SS	77" Opening 2' Sheeting (STD)
All	41111	Latch Pin Bolt on Sheeted Gates
All	41-05-4	Latch Narrow for Sliding Gate
All	41103S	Gate Sliding 3' with 4' Sheeting

Table 3-1. Parts List

### 3.2 Axle Parts

Axles are Dexter 3500lb, 5-bolt with 10x2-1/4" brakes.

Following are replacement parts available from Dexter.

Bearings	Dexter Kit #	Industry Part # Cup/Cone
Inner	K71-390-00	L68111 / L68149
Outer	K71-306-00	L44610 / L44649

Description	Dexter Part #
Inner Bearing Seal	010-004-00
Magnet	K71-104-00
Brake Shoe and Lining	K71-047-00
Brake Assembly LH	023-026-00
Brake Assembly RH	023-027-00
Hub	008-247-05

Table 3-2. Dexter Parts List





230 W. Coleman St. • Rice Lake, WI 54868 • USA  
U.S. 800-472-6703 • Canada/Mexico 800-321-6703 • International 715-234-9171 • Europe +31 (0) 88 2349171

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