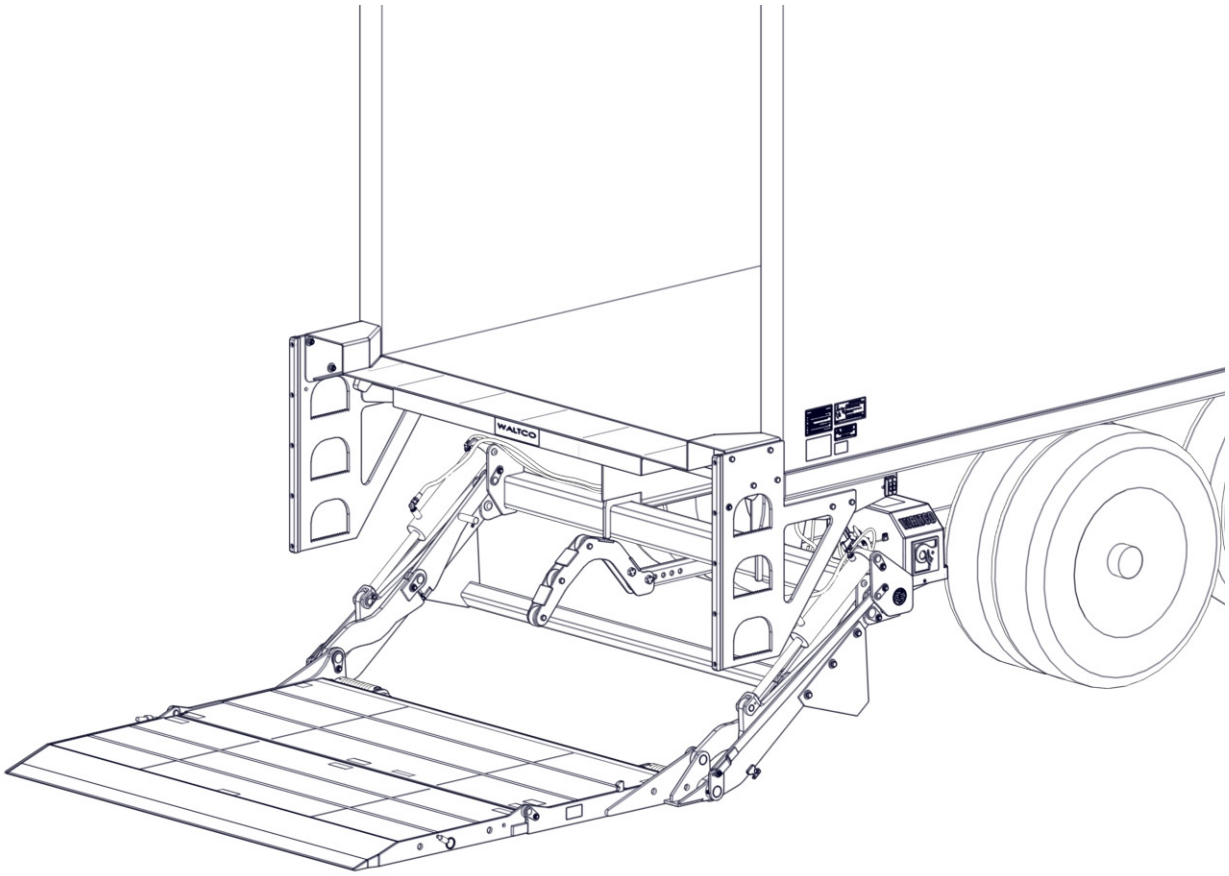
waltco.com
parts@waltco.com

Phone: 800.411.5685
Fax: 800.411.5684

Parts Manual

WFL

2500 lb. and 3300 lb. Capacity Level Lift Flipaway Liftgates



This manual identifies parts for Liftgates manufactured:

10/2016 to Current

Last Change

Date	*Page(s)*	*Description*
05-2019	7,8,9,10	*Added Galvanized Frame & Aluminum Platforms*

Waltco Lift Corp.
Corporate Office United States
285 Northeast Ave.
Tallmadge, OH 44278
P: 330.633.9191
F: 330.633.1418

EO: 10442
Rev 02 5-2019

80121603

Table of Contents



Improper operation and maintenance of this liftgate could result in severe personal injury or death.

Read and understand the contents of the owner's manual and all warning and operation decals before operating and/or performing maintenance on this liftgate.

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Introduction

Each Waltco liftgate is manufactured to stringent quality standards for years of reliable service. To ensure maximum performance of your Waltco liftgate, always specify and use “OEM Parts” from Waltco.

This manual does not provide procedures for the servicing and repair of Waltco liftgates. Service and repair should only be performed by an authorized Waltco distributor. For information on the nearest authorized Waltco distributor contact:

Waltco Lift Corp.
285 Northeast Avenue
Tallmadge, OH 44278
Phone: 800.411.5685
Fax: 800.411.5684
E-mail: parts@waltco.com



The use of non-standard or makeshift parts can be extremely hazardous and result in serious injury or death.



Every vehicle that has a WALTCO Liftgate must have legible WARNING AND OPERATION DECALS clearly posted on the vehicle and an OWNER’S MANUAL in the vehicle at all times as a guide for proper operation and maintenance.

How To Order Parts

Repairs should be made only by authorized mechanics using WALTCO Replacement parts.

When ordering repair or replacement parts, please include all the information asked for below. If this information is not available, a complete written description or sketch of the required part will help WALTCO identify and deliver the needed part to you.

THE FOLLOWING INFORMATION MUST BE INCLUDED:

1. SERIAL NUMBER - [WALTCO liftgate serial numbers can be found on the Specification Tag attached to the mount frame. (On older units the Specification Tag is located on the side or bottom of the platform.)]

2. MODEL NUMBER - [Or capacity]

3. PLATFORM SIZE

THEN INCLUDE THE FOLLOWING INFORMATION:

4. PART NUMBERS

5. DESCRIPTION

6. QUANTITY REQUIRED

MAIL, E-MAIL OR PHONE YOUR REQUEST TO:

Waltco Lift Corp
285 Northeast Avenue
Tallmadge, OH 44278
1-800-411-5685
FAX: 1-800-411-5684
E-MAIL: parts@waltco.com

ALL PARTS ARE F.O.B. FROM THE SHIPPING FACTORY

PLEASE NOTE:

To assure you of continuing and effective quality control, our warranty policy permits replacement of hydraulic cylinders, valves and motor pump units when their factory seals are intact. Parts under warranty will be exchanged promptly after careful inspection of the returned assemblies.

WFL Model Information

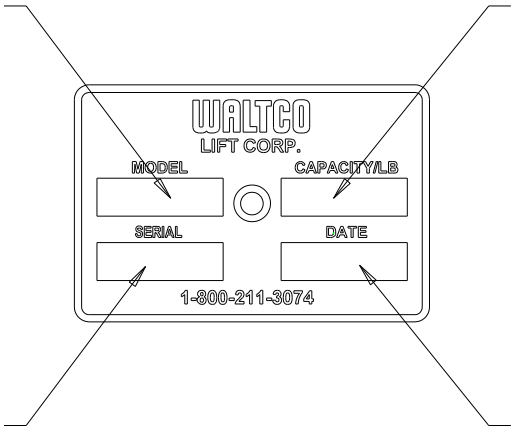
Explanation of Specification Tag

Model Name	Description	Capacity
WFL	Dual Cylinder	2500 lb.
WFL	Dual Cylinder	3300 lb.

MODEL NAME

RATED CAPACITY

Based on an evenly



SERIAL NUMBER

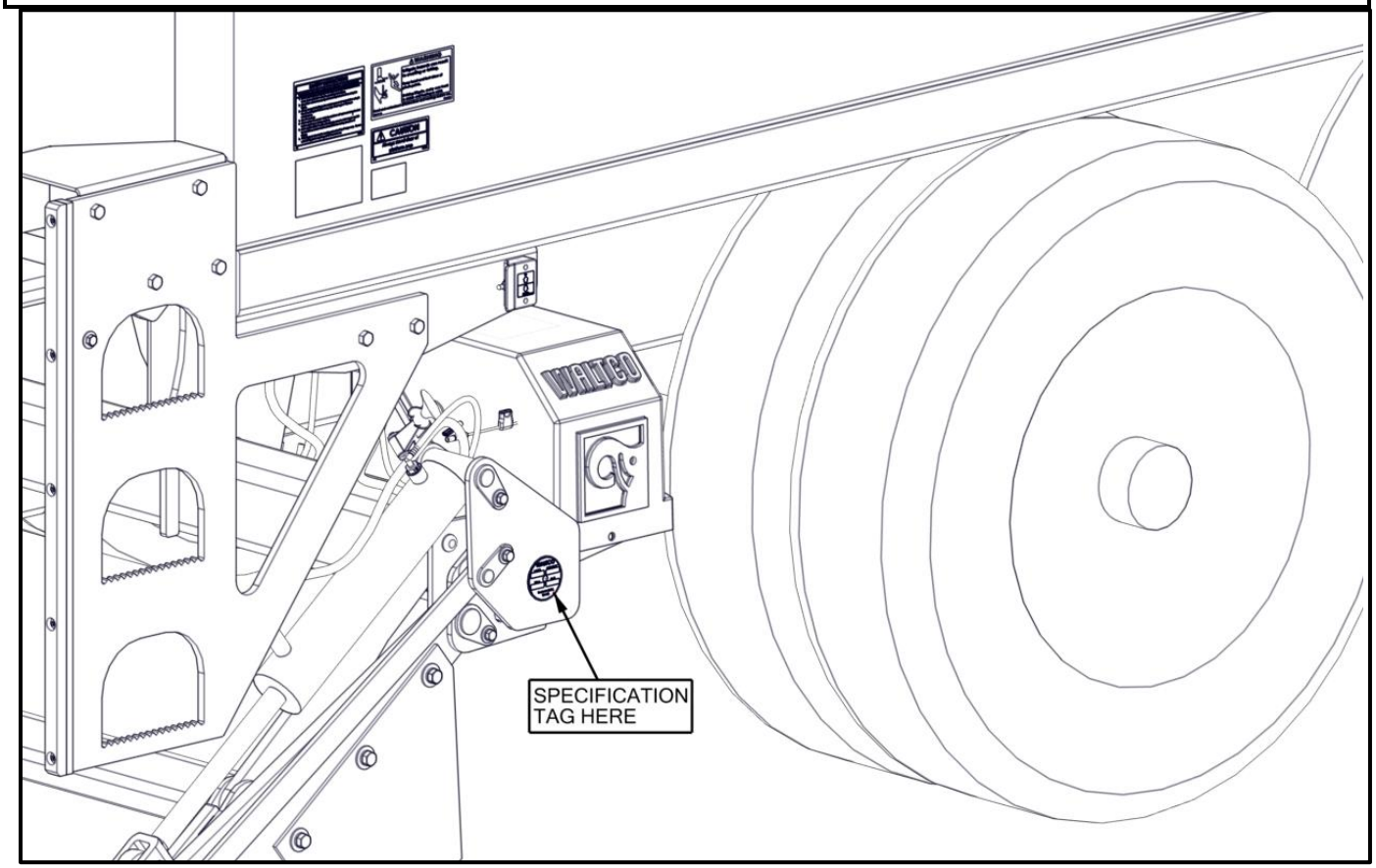
of liftgate. To be used

when ordering parts or

DATE OF MANUFACTURE

Month / Year

GR00241



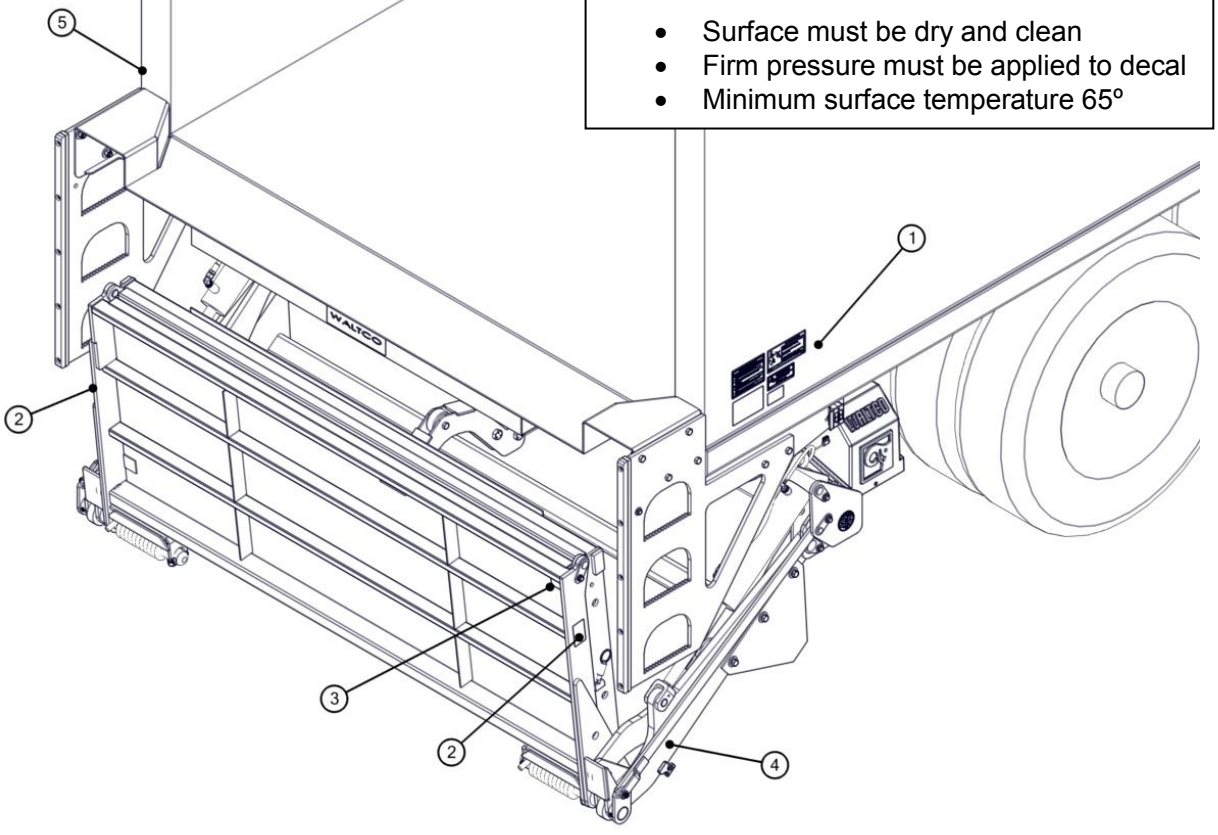
Placement of Decals

All decals must be in place and legible or all warranties are void.

ITEM	DECAL	QTY	PART NO.	LOCATION
1	Safety Instructions	1	80100850	**Locate in a conspicuous place near controls.**
	Operation	1	80101528	**If your liftgate is equipped with dual controls, an additional Safety Instruction decal (80100850) is to be placed in a conspicuous place near the second set of controls.**
	Hazard Decal	1	80101370	
	Important Decal	1	80100828	
	Stand Clear	11	75089296	
	Stand Clear Decal	1	75089296	Refer to the following diagram showing decal locations.
2	Capacity Decal – 2500 lb	1	80100255	**Locate on curbside of platform**
	Capacity Decal – 3300 lb	1	80100585	(Position so as to be read when platform is open)
3	Stand Clear Decal	1	75089296	**Locate near platform handle**
	Capacity Decal – 2500 lb	1	80100255	(Positioned so as to be read when platform
	Capacity Decal – 3300 lb	1	80100585	is being unfolded into loading position)
4	Transit Chain Decal	1	80101517	**Locate on back of deck on curbside**
				(Visible when platform is stored)
5	Stand Clear Decal	1	75089296	**Locate on driver's side of vehicle body near liftgate**

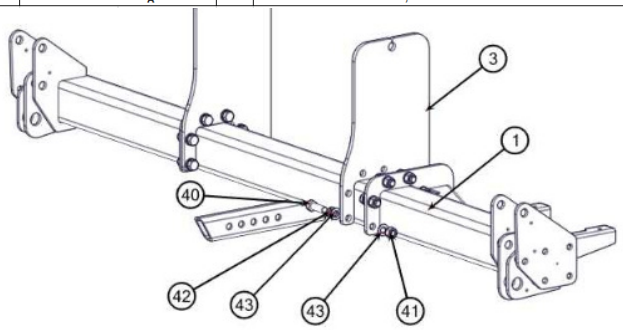
To maximize decal adhesion to surfaces:

- Surface must be dry and clean
- Firm pressure must be applied to decal
- Minimum surface temperature 65º



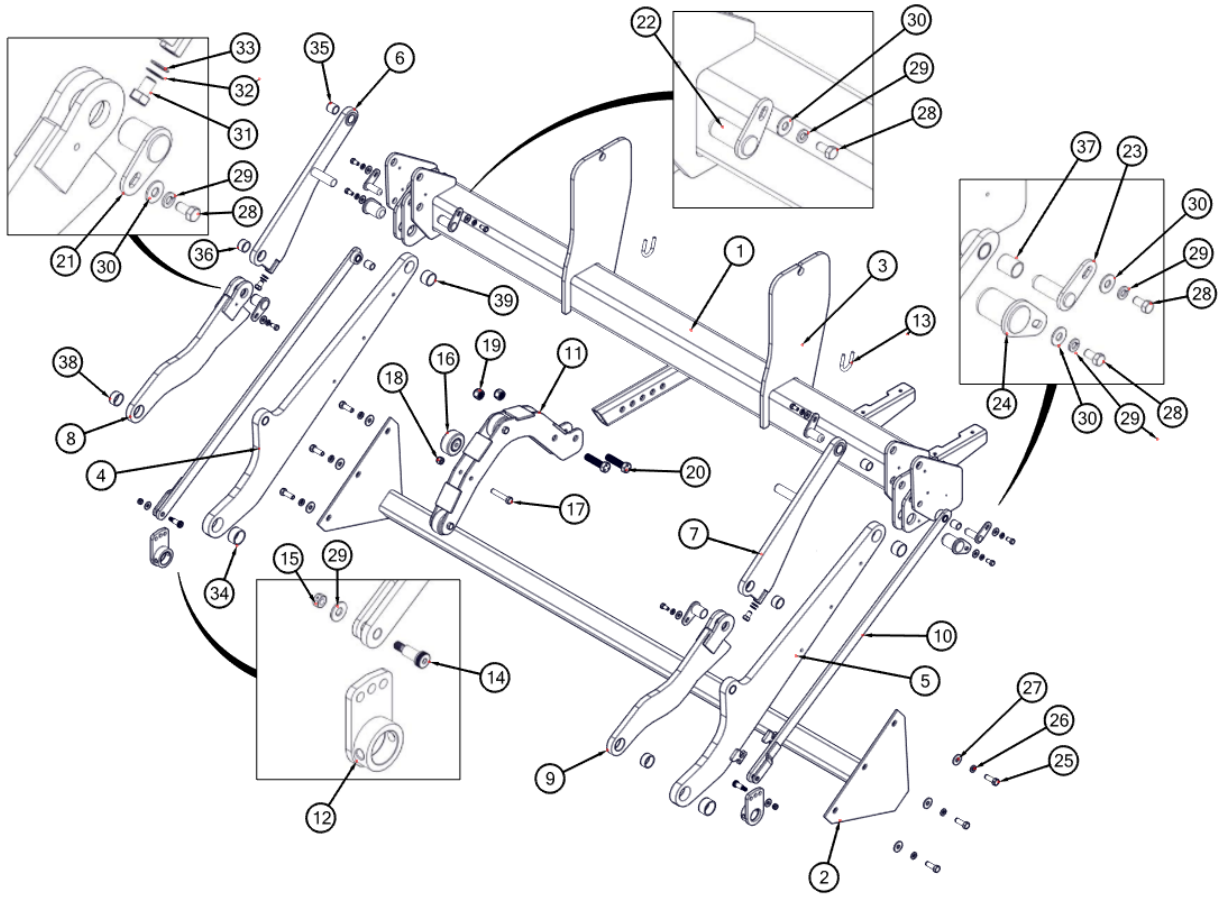
ITEM	PART NUMBER		QTY	DESCRIPTION
	96" OAW	102"OAW		
1	21620000	21620002	1	MOUNT TUBE ASSEMBLY
	21620004$_A$	21620003$_A$		MOUNT TUBE ASSEMBLY BOLT ON GALVANIZED
2	21614000	21614002	1	UNDER RIDE BUMPER WELDMENT
	21614000GV$_A$	21614002GV$_A$		UNDER RIDE BUMPER WELDMENT GALV.
3	21670101	21670102	2	MOUNT PLATE
	21670104$_A$			MOUNT PLATE BOLT ON
4	21630001		1	LIFT ARM ASSEMBLY
	21630001ZN$_A$			LIFT ARM ASSEMBLY, ZINC PLATED
5	21631010		1	LIFT ARM WELDMENT CURB SIDE
	21631010ZN$_A$			LIFT ARM WELDMENT CURB SIDE, ZINC PLATED
6	21656050		1	UPPER PARALLEL ARM ASSEMBLY DRIVER SIDE
	21656050ZN$_A$			UPPER PARALLEL ARM ASSEMBLY DRIVER SIDE, ZN
7	21656000		1	UPPER PARALLEL ARM ASSEMBLY CURB SIDE
	21656000ZN$_A$			UPPER PARALLEL ARM ASSEMBLY CURB SIDE,ZN
8	21656450		1	LOWER PARALLEL ARM ASSEMBLY DRIVER SIDE
	21656450ZN$_A$			LOWER PARALLEL ARM ASSEMBLY DRIVER SIDE,ZN
9	21656400		1	LOWER PARALLEL ARM ASSEMBLY CURB SIDE
	21656400ZN$_A$			LOWER PARALLEL ARM ASSEMBLY CURB SIDE,ZN
10	21657001		2	SPRING ARM ASSEMBLY
	21657001ZN$_A$			SPRING ARM ASSEMBLY, ZINC PLATED
11	21692001		1	PARTING BAR ASSEMBLY
	21692001GV$_A$			PARTING BAR ASSEMBLY, GALV.
12	21657300		2	ADJUSTABLE SPRING LINK WLEDMENT
	21657300ZN$_A$			ADJUSTABLE SPRING LINK WLEDMENT GALV.
13	26470201		2	U BAR
14	75087571		2	SH SHLDER SCREW 1/2 X 1 W/ 3/8-16 TREAD
15	75085188		2	CENTERLOCK NUT, 3/8-16
16	75081348		3	ROLLER
17	7500010-14		3	HEX BOLT, 1/2-13 X 2.75, GR 5
18	75085162		3	LOCK NUT, 1/2-13, NYLON
19	75085186		2	HEX NUT, 3/4-10, NYLOCK, GR 2
20	75086184		2	HEX BOLT, 3/4-10X3, GR 5, FULLY THREADED
21	1000021-15		2	PIN WELDMENT, 1.25DIA X 1.875L

ITEM	PART NUMBER		QTY	DESCRIPTION
	96" OAW	102"OAW		
22	1000021-17		2	PIN WELDMENT, 1 DIA X 2.5
	1000022-07$_A$			PIN WELDMENT, 1 DIA X 2.5, ZIRC
23	1000021-16		2	PIN WELDMENT .75 DIA X 2.5
24	1000021-14		2	PIN WELDMENT, 1.5 DIA X 2.5
	1000022-08$_A$			PIN WELDMENT, 1.5 DIA X 2.5, ZIRC
25	7500010-41		6	HEX BOLT, 1/2-13X1-1/2", GR 8
26	75088083		6	LOCK WASHER, 1/2"
27	75088056		6	FLAT WASHER, 1/2" X 1-3/8"OD X .109 THK
28	75086055		8	HEX BOLT, 3/8-16X3/4 GR 5
29	75088081		8	LOCK WASHER, 3/8"
30	75088053		8	WASHER, 3/8" X 1" X 0.083" THK
31	75086109		2	HEX BOLT, 1/2-13 X 0.75, GR 5
32	75088072		2	WASHER, .51 ID X .88 OD X .03, PLATED
33	75088071		2	WASHER, .51 X .88 X .06, PLATED
34	21699001		2	BUSHING, FIBERGLIDE, 1.75"ID X 1"
35	21699003		2	BUSHING,FIBERGLIDE,1.5"IDX1"
36	21699005		2	BUSHING,FIBERGLIDE,1.25"IDX0.75"
37	21699007		2	BUSHING,FIBERGLIDE,0.75"IDX1"
38	21699008		4	BUSHING,FIBERGLIDE,1.5"IDX0.75"
39	21699004		2	BUSHING,FIBERGLIDE,1"IDX1"
40	75086229$_A$		12	HEX BOLT, 3/4-10 X 2-1/4", GR 8
41	75085016$_A$		12	HEX NUT, 3/4-10, GRADE 5
42	75088087$_A$		12	LOCK WASHER, 3/4"
43	75088159$_A$		24	WASHER,3/4" X 1.47" X .13"THK



$_A$ – Used with aluminum platform

MOUNT FRAME ASSY, 2500 & 3000 LBS CAPACITY



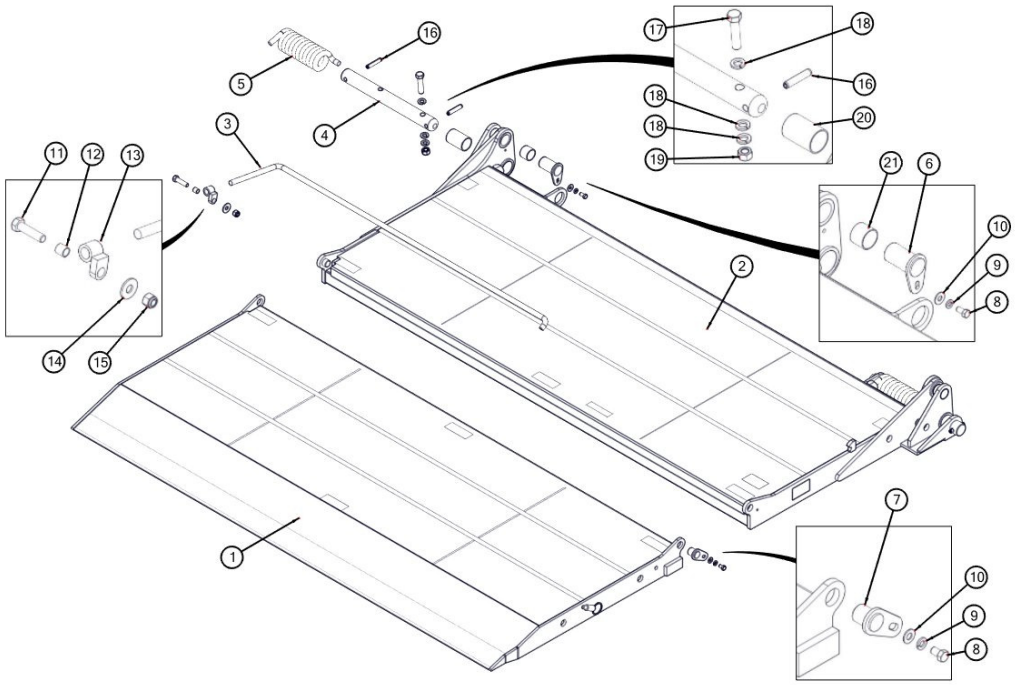
WALTCO LIFT CORP.
WFL-25 & 33

REVISED: 9-2018
E.O. 10442
REV 02

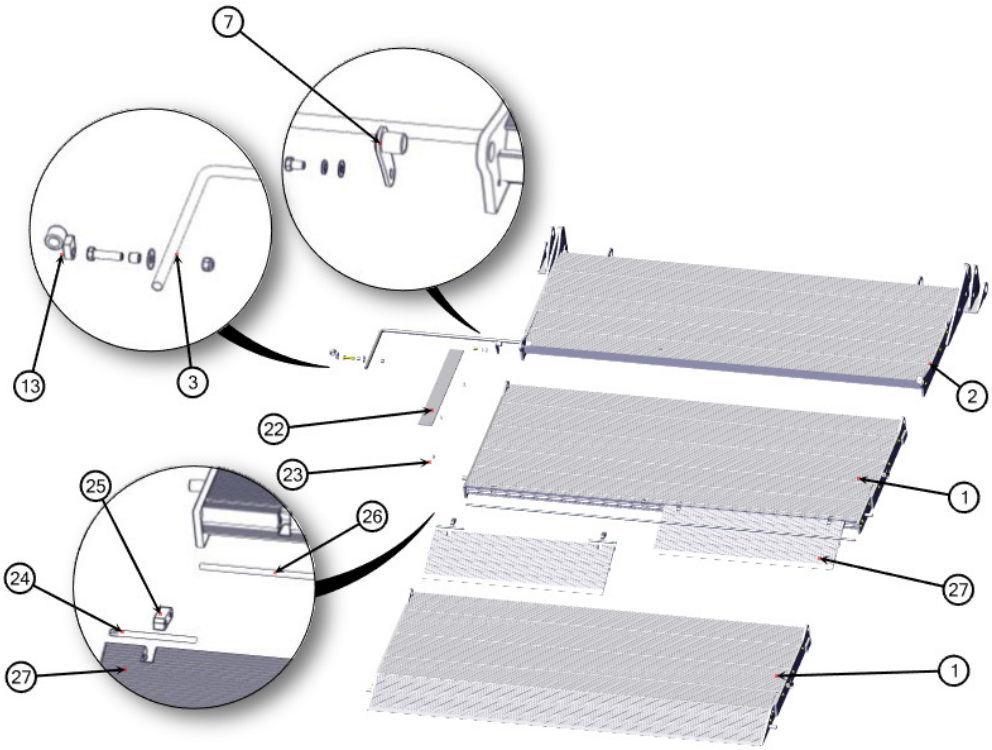
PM-938

ITEM	PART NUMBER		QTY	DESCRIPTION
	96" OAW	102" OAW		
1	21613001	21613002	1	DECK EXT ASSY 58"X82"/88"+10" RAMP, STEEL
	21613007A	21613005A	1	DECK EXT ASSY 60"X82" OR 88"+9" RAMP, ALUM
	21613009A	21613010A		DECK EXT ASSY, 67"X82" OR 88"+12ARR, ALUM
2	21611001	21611002	1	MAIN DECK ASSEMBLY 58"X82"/88"+10" RAMP, STEEL
	21611007A	21611005A	1	MAIN DECK ASSEMBLY (82" OR 88" WIDE), ALUM
3	21617100		1	TORSION BAR FOR STEEL PLATFORMS
	21617107A		1	TORSION BAR FOR ALUM. PLATFORMS
4	21612102		2	DECK PIN 1.75X16.88
5	21612003		1	DECK HINGE SPRING, CURB SIDE
	21612004		1	DECK HINGE SPRING, DRIVER SIDE
6	1000021-20		2	PIN WELDMENT 1.5 DIA X 2.94
	1000022-06A			PIN WELDMENT 1.5 DIA X 2.94
7	1000021-21		1	PIN WELDMENT, 1 DIA X 1.38
	1000021-22A			PIN WELDMENT, 1 DIA X 1.38, LONG
8	7500010-15		3	HEX BOLT, 3/8-16 X .625, GR 8
9	75088081		3	LOCK WASHER, 3/8"
10	75088053		3	FLAT WASHER, 3/8" X 1"OD X .083THK
11	7500010-18		1	HEX BOLT, 1/2-13 X 2.0, GR 8
12	21614501		1	TUBE, SS, .625"OD X .527"ID X .625"LG
13	21617301		1	TORSION BAR ANCHOR, FOR STEEL PLATFORMS
	21617302A		1	TORSION BAR ANCHOR, FOR ALUM. PLATFORMS
15	75085162		1	LOCK NUT, 1/2-13, NYLON
16	75089602		4	COILED PIN
17	7500010-7		2	HEX BOLT, 5/8-11 X 2.75, GR 8
18	75088085		6	LOCK WASHER, 5/8"
19	75085012		2	HEX NUT, 5/8-11. PLATED
20	21699002		2	BUSHING,FIBERGLIDE,1.78"IDx2.875"
21	21699006		2	BUSHING,FIBERGLIDE,1.5"IDX1.25"
22	21612996A		1	WEAR PAD, ALUM
23	75089475A		3	RIVET, BLIND, 1/4", 1/2-5/8 GRIP, ZINC BUTTON
24	27813983A		4	PIN, CRUSHED END, .375 DIA
25	27813985A		4	HINGE BLOCK
26	27813982A	21613902A	1	HINGE ROD
27	27813998A	21612991A	2	ALUM EXT, 3WFR, 12.0, FOR 2 PIECE FLIP RAMP

A - Used for aluminum platforms

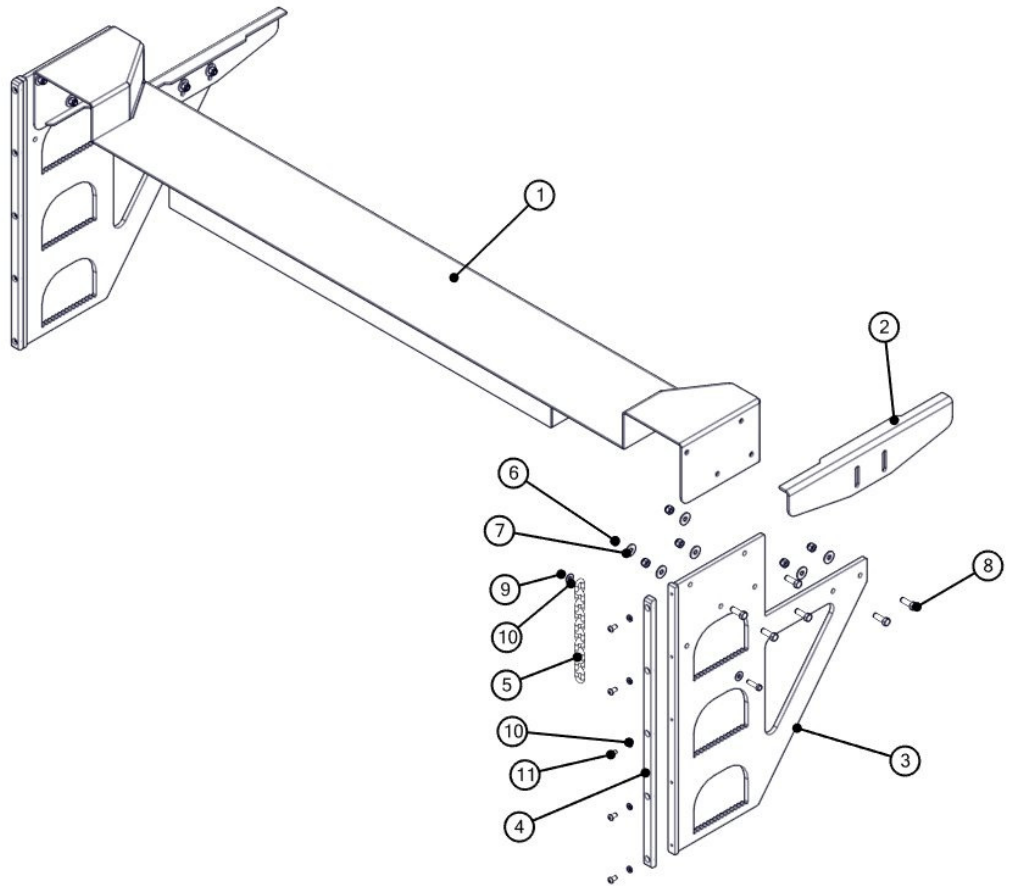


STEEL AND ALUMINIUM PLATFORM ASSEMBLY



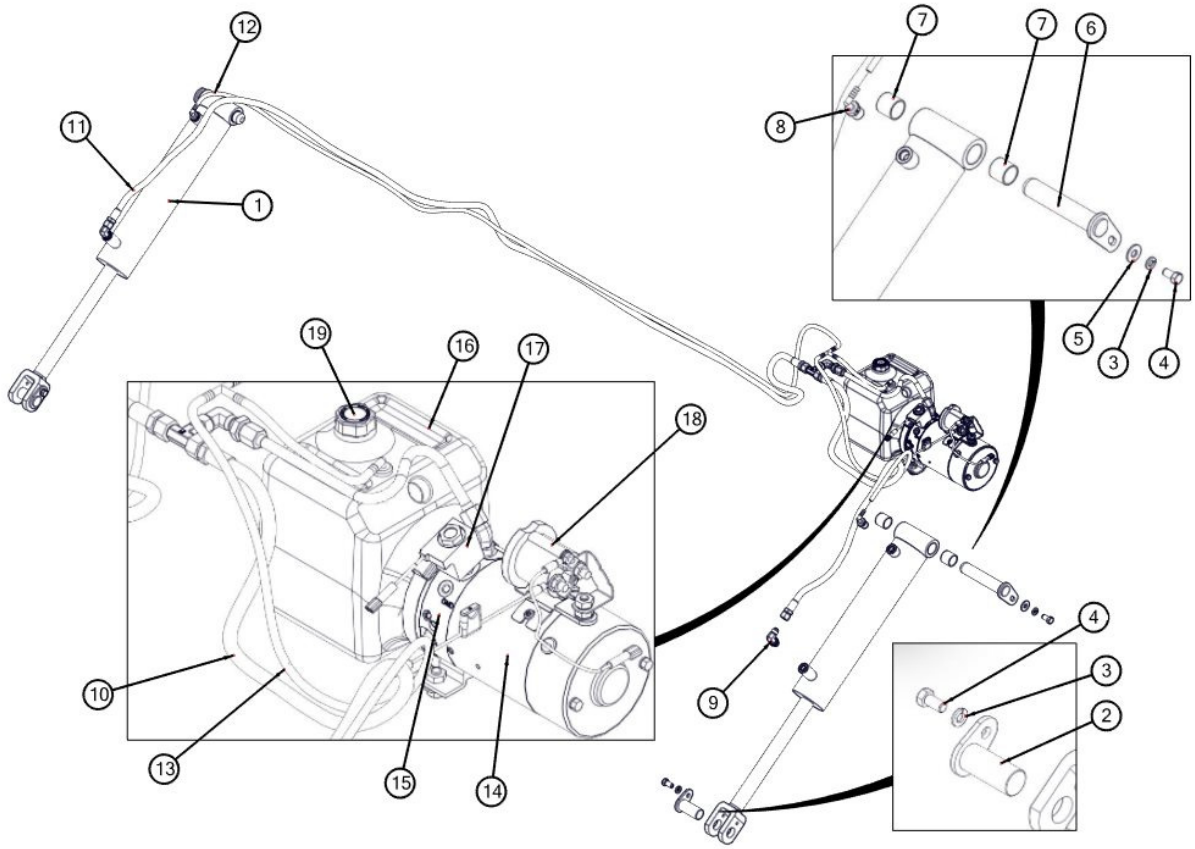
ALUMINIUM PLATFORM ASSEMBLY COMPONETS

ITEM	PART NUMBER		QTY	DESCRIPTION
	96" OAW	102" OAW		
1	21660001	21660002	1	BED EXTENSION ASSEMBLY
	21660001GV	21660002GV		BED EXTENSION ASSEMBLY, GALVANIZED
2	21697200		2	DOCK BUMBER MOUNTING BRACKET
3	21697500		2	DOCK BUMBER
4	21697300		2	UHMW BUMBER
5	22598100		1	LATCH CHAIN
6	75085162		12	LOCK NUT, 1/2-13, NYLON
7	75088056		12	FLAT WASHER, 1/2" X 1-3/8"OD X .109THK
8	7500010-41		14	HEX BOLT, 1/2-13 X 1.5, GR 5
9	75085188		1	3/8-16 NUT, CENTERLOCK
10	75088053		1	FLAT WASHER, 3/8" X 1"OD X .083THK
11	75086882		10	BUTTON HEAD, 3/8-16X3/4



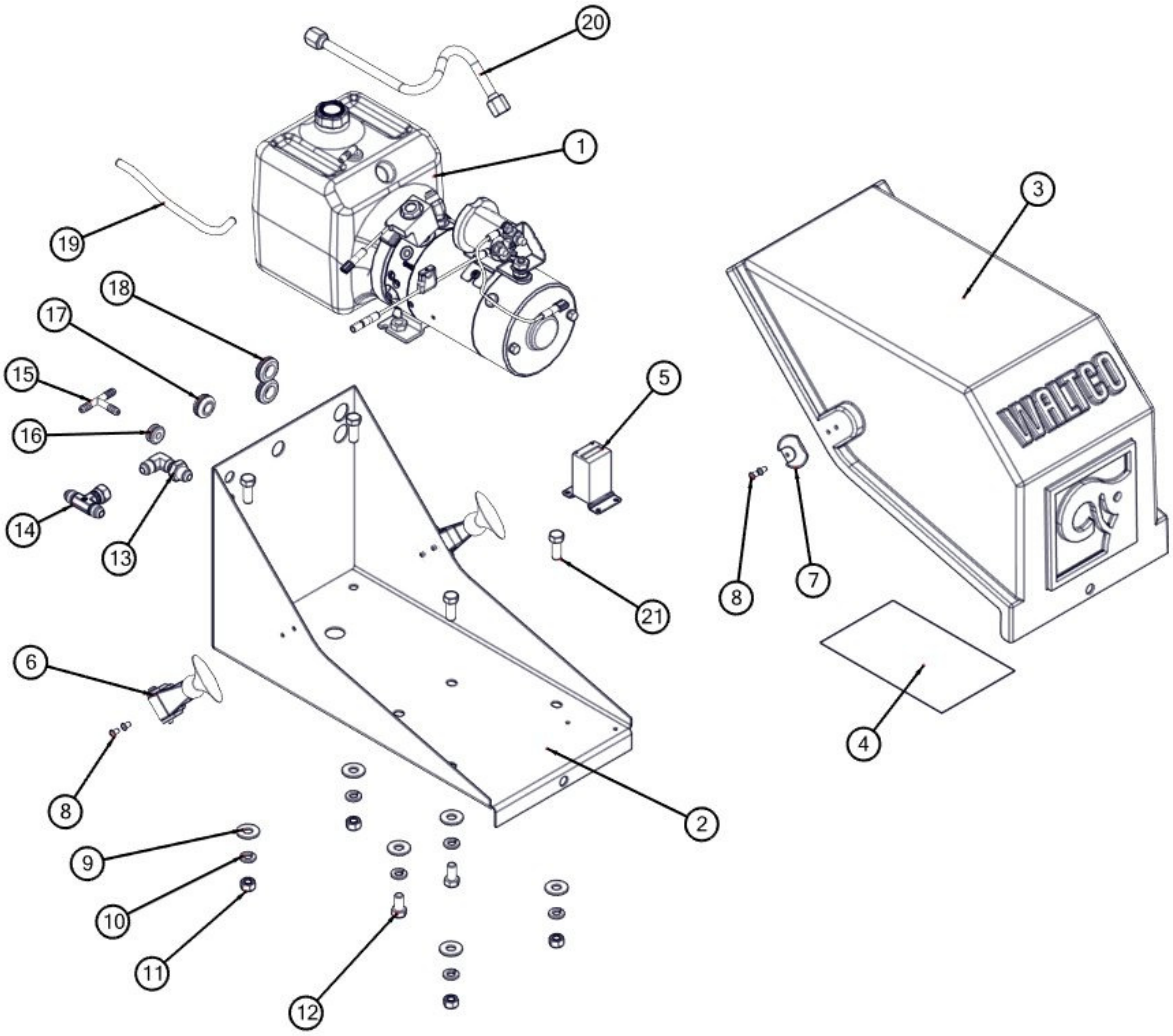
BED EXTENSION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION
1	21680010	2	CYLINDER
2	1000021-19	2	PIN WELDMENT 1 DIA X 2.56
3	75086055	4	HEX BOLT, 3/8-16 X .75, GR 5
4	75088081	4	LOCK WASHER, 3/8"
5	75088053	2	FLAT WASHER, 3/8" X 1"OD X .083THK
6	1000021-18	2	PIN WELDMENT 1 DIA X 5.5
7	21699004	4	BUSHING,FIBERGLIDE,1"IDX1"
8	75082742	2	ELBOW, 90, BARBED, 3/8 NPTM X 1/4 BARB
9	75082869	2	ELBOW, 90, #6 JIC M X #6 SAE-ORB M
10	7500017-18	1	HOSE, 100R17, 1/4" X 40"
11	7500017-17	1	HOSE, 100R17, 1/4" X 92"
12	75083139	1	TUBE, FLEX PVC, 1/4" X 82"
13	75083138	1	TUBE, FLEX PVC, 1/4" X 30"
14	70430590	1	PUMP UNIT, WFL
15	70400002	1	RESERVOIR CLAMP
16	70401513	1	HYDRAULIC RESERVOIR
17	70092503	1	VALVE, 2 WAY, 2 POS, W/ COIL
18	80001065	1	MOTOR SOLENOID
19	70091734	1	BREATHER



HYDRUALIC LAYOUT

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70430590	1	PUMP UNIT, WFL
2	21691103	1	WFL PUMP BOX BASE
3	22793010	1	PUMP ENCLOSURE COVER
4	80101637	1	DECAL, SCHEMATICS
5	80001312	1	CYCLE COUNTER
6	27391301	2	LATCH HANDLE ASSEMBLY
7	27391301	2	DRAW LATCH, RETAINER HALF
8	75089447	8	RIVET, BLIND
9	75088053	6	FLAT WASHER, 3/8" X 1"OD X .083THK
10	75088081	6	LOCK WASHER, 3/8"
11	75085096	6	HEX NUT, 3/8-16, GR 2
12	75086055	2	HEX BOLT, 3/8-16 X .75, GR 5
13	75082894	1	BULKHEAD, ELBOW, 90, #6 JIC, WITH NUT
14	7500081-1	1	TEE, #6M X #6M X #6F SWIVEL BRANCH 6 S6X
15	75082744	1	BARBED FITTING, 1/4"
16	75089322	1	GROMMET, 5/16" ID
17	75089329	1	GROMMET, 1/2"
18	7500072-1	2	GROMMET, HOLE .625 ID, FOR 7/8" HOLE
19	7500017-19	1	HOSE, 100R17, 1/4" X 9"
20	21691090	1	HARDLINE
21	75086056	4	HEX BOLT, 3/8-16 X 1.0, GR 5



PUMPBOX COMPONENTS

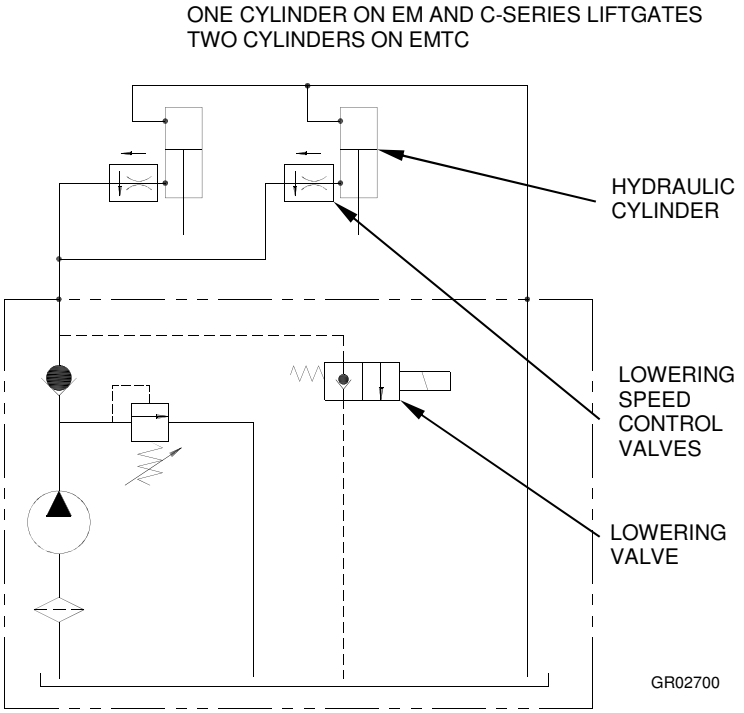
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REV 02

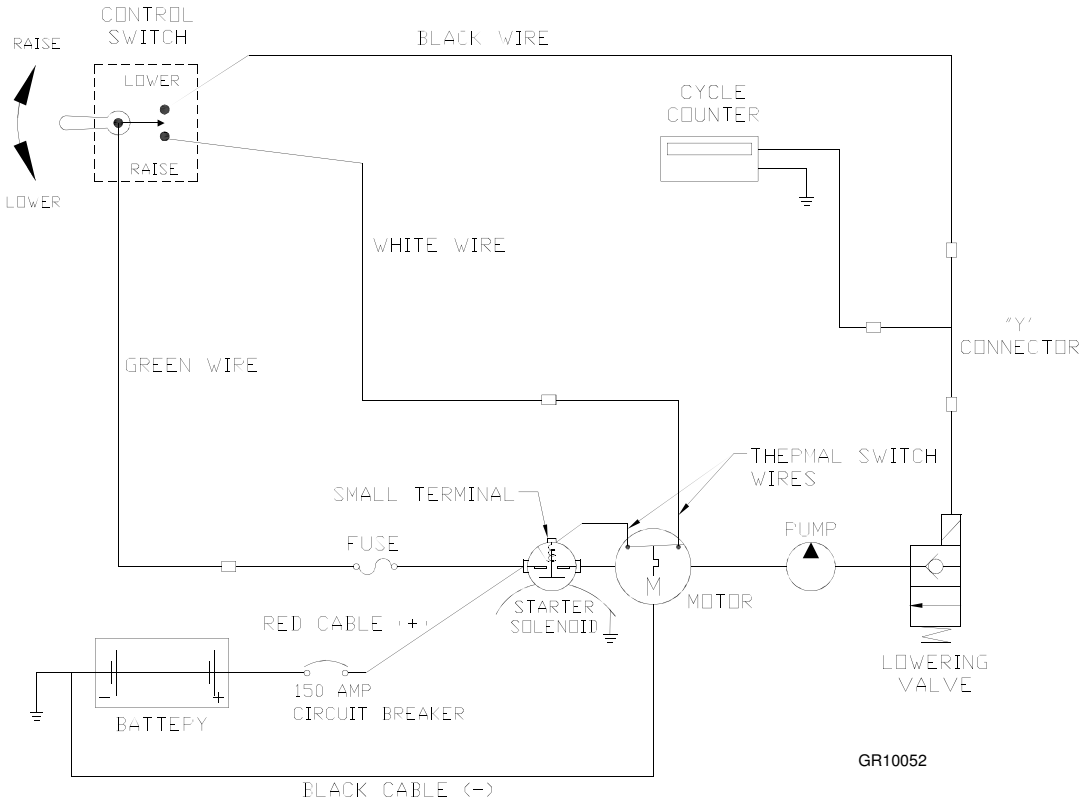
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WALTCO LIFT CORP.
WFL-25 & 33

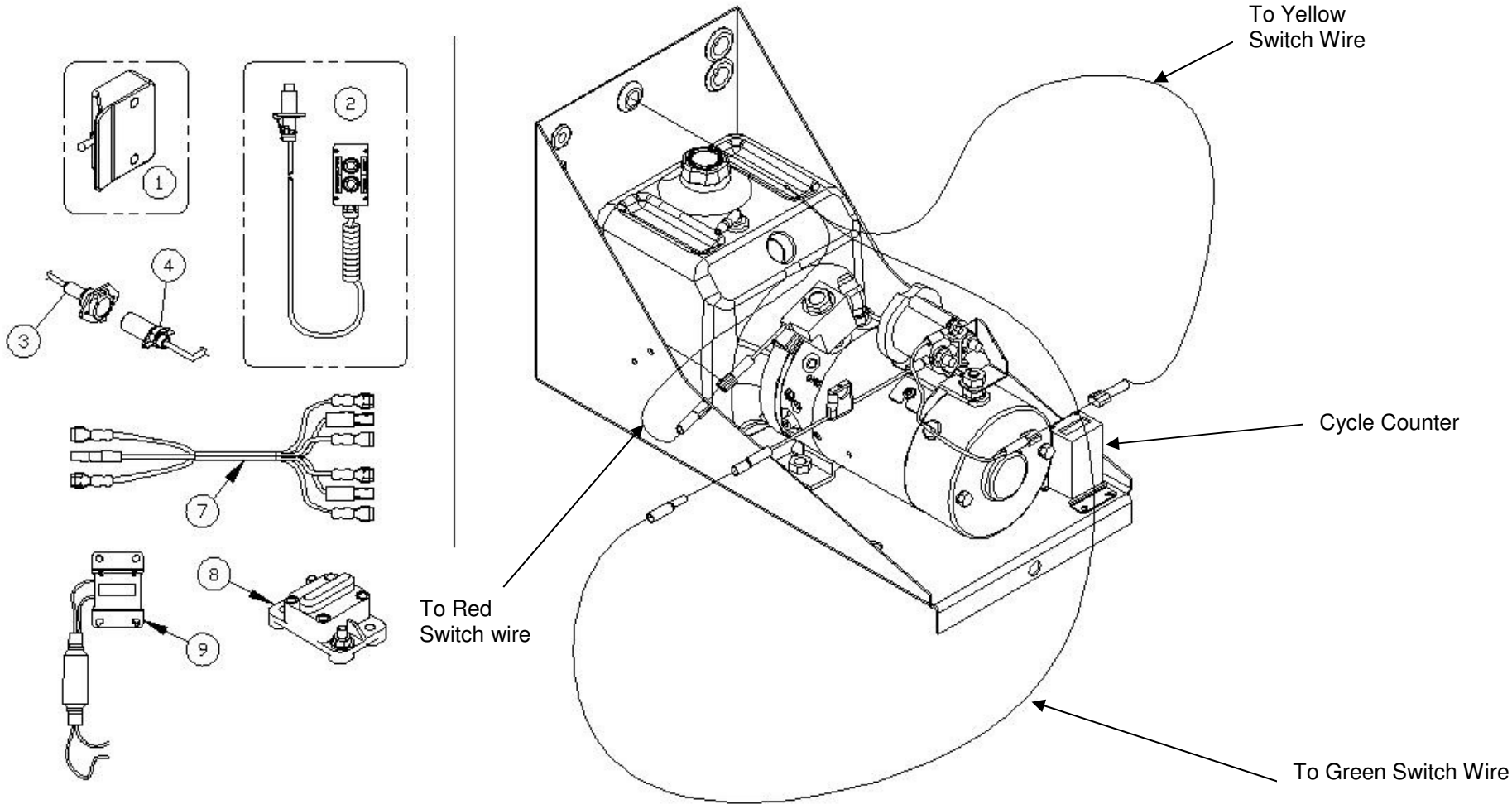
ITEM	PART NUMBER	QTY	DESCRIPTION
1	80001429	1	Switch Kit w/10ft Cord
2	10099325 [a]	1	Switch (Hand Held Remote)
3	75082038	1	Trailer Socket
4	75082037	1	Trailer Plug
5	75089854	1	15 Amp Fuse
6	10099309	1	Fuse Holder
7	10098413	1	Dual Control Harness
8	75089243	1	150 Amp Circuit Breaker (Manual Reset)
9	80001312	1	Cycle Counter Kit

[a] Included in Switch Hand Held Remote Kit 80000430.





ELECTRIC CONTROL OPTIONS – Gravity Down



IMPORTANT

⚠WARNING

Improper operation and maintenance of this liftgate could result in severe personal injury or death.

Read and understand the contents of liftgate Owner's manual and all warning and operation decals before operating and/or performing maintenance on this liftgate.

For SAFETY information on this liftgate see Chapter 1 of Owner's manual