



WSL-Series

WSL-Series

Click the appropriate link below for the major component of the liftgate for which you are trying to find the correct part. If you are unsure of the name of the part in Waltco terminology, click the "Liftgate Terminology" link and it will take you to a document showing a picture of the liftgate with the common Waltco names for each of the parts.

[Liftgate Terminology](#)

[Track Frames](#)

[Mount Assembly & Arms](#)

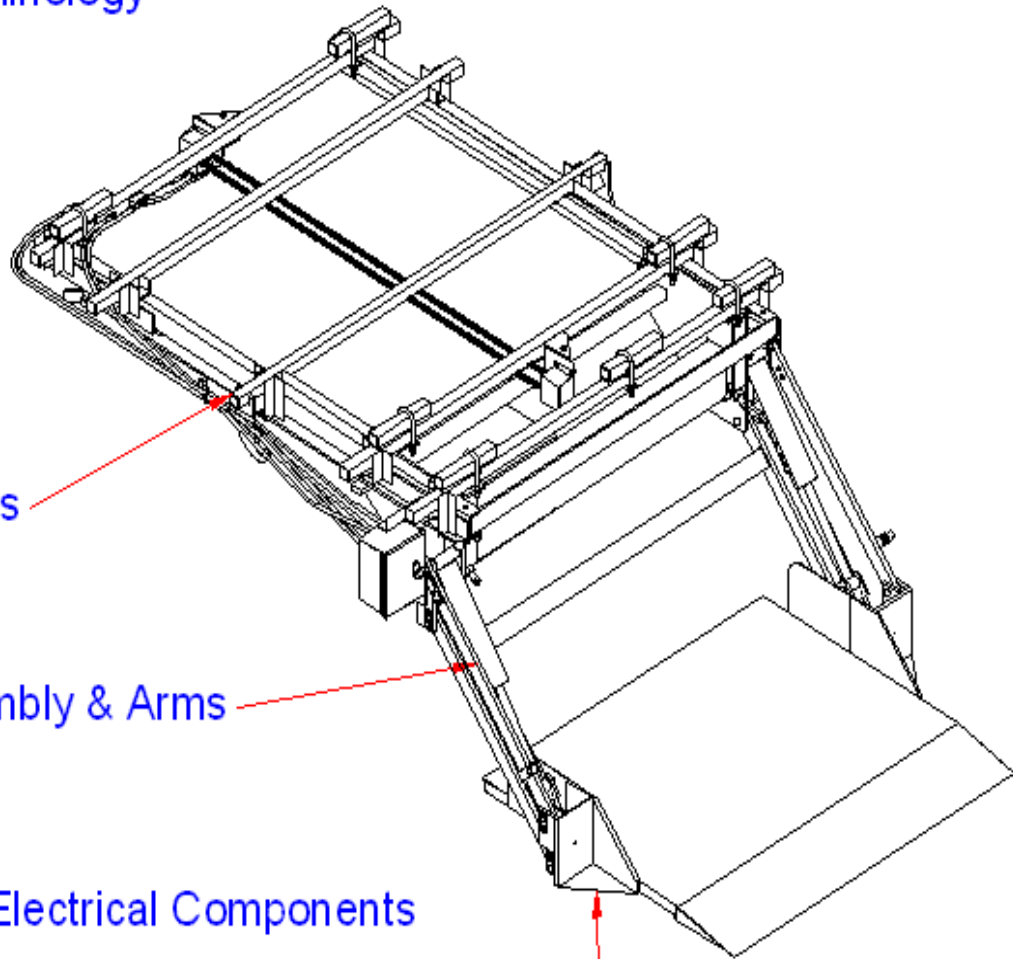
[Hydraulic & Electrical Components](#)

[Pumps](#)

[Cylinders](#)

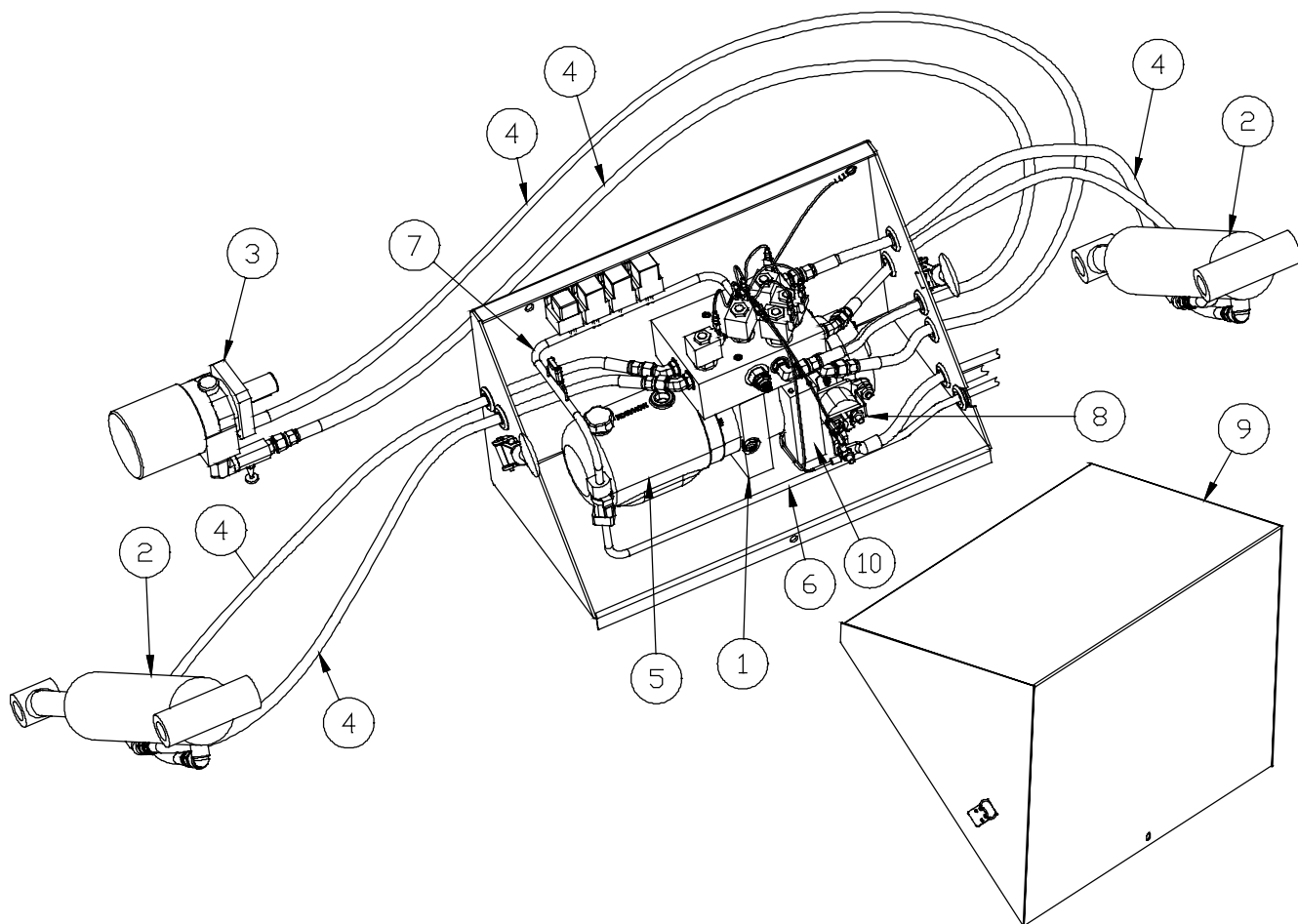
[Tech Tips](#)

[Platform Assembly](#)

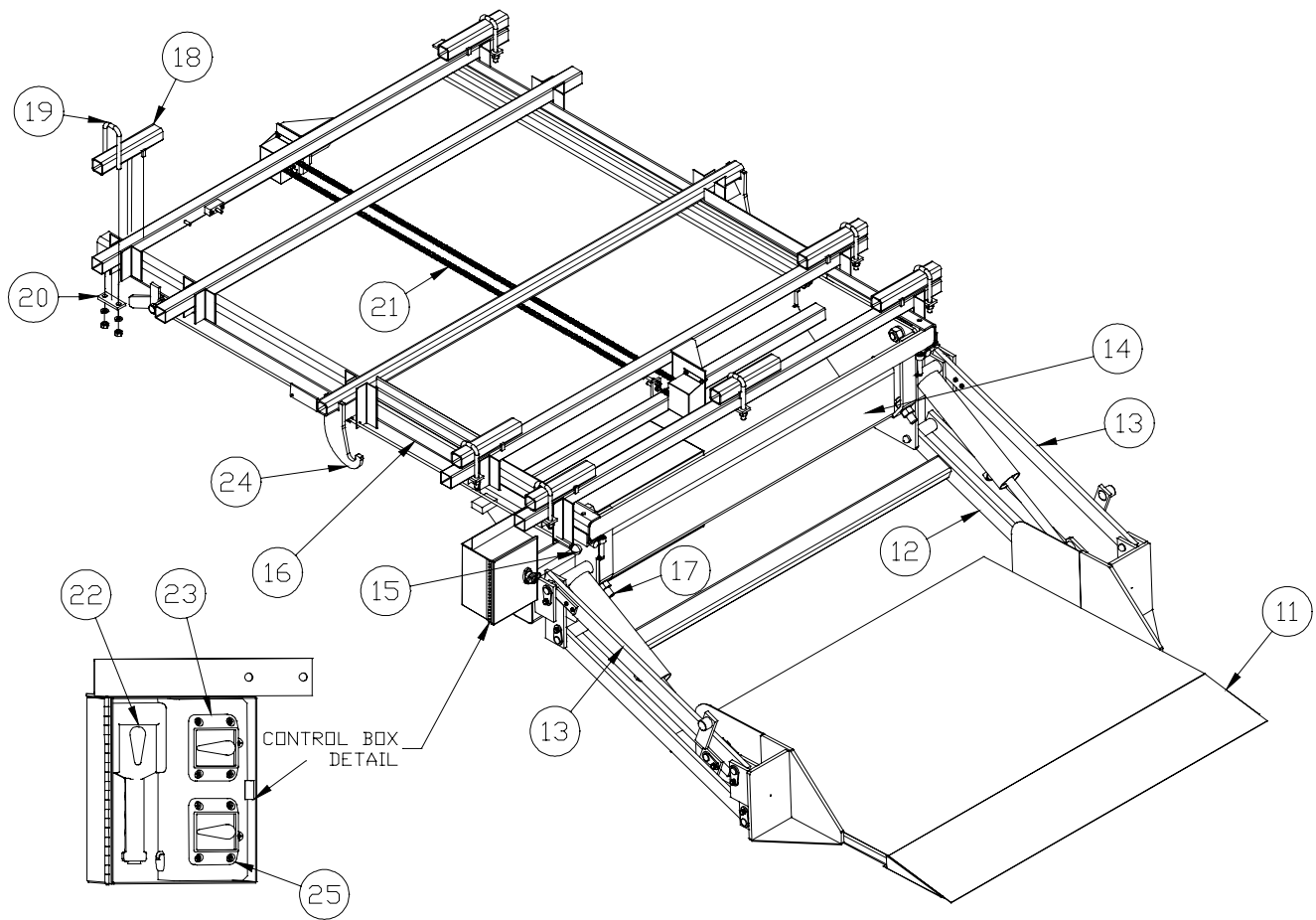


WSL SERIES LIFTGATE TERMINOLOGY

1. Pump Unit
2. Hydraulic Cylinder
3. Hydraulic Motor
4. Hydraulic Hose
5. Pump Unit Reservoir
6. Harness, Control Wiring
7. Harness, Motor/Valve Control Wiring
8. Pump Unit Starter Solenoid
9. Pump Unit Enclosure Cover
10. Motor Controller
11. Platform Assembly
12. Lift Arm Assembly
13. Parallel Arm Assembly
14. Mount Frame Assembly
15. Transit Latch Handle
16. Track Assembly
17. Stop Bolt
18. Mounting Tube
19. "U" Bolt, Mounting
20. Tie Plate
21. Drive Chain
22. Remote SuperSwitch™ (Raise/Lower)
23. SuperSwitch™ (Raise/Lower)
24. Transit Hook
25. SuperSwitch™ (Close/Open)

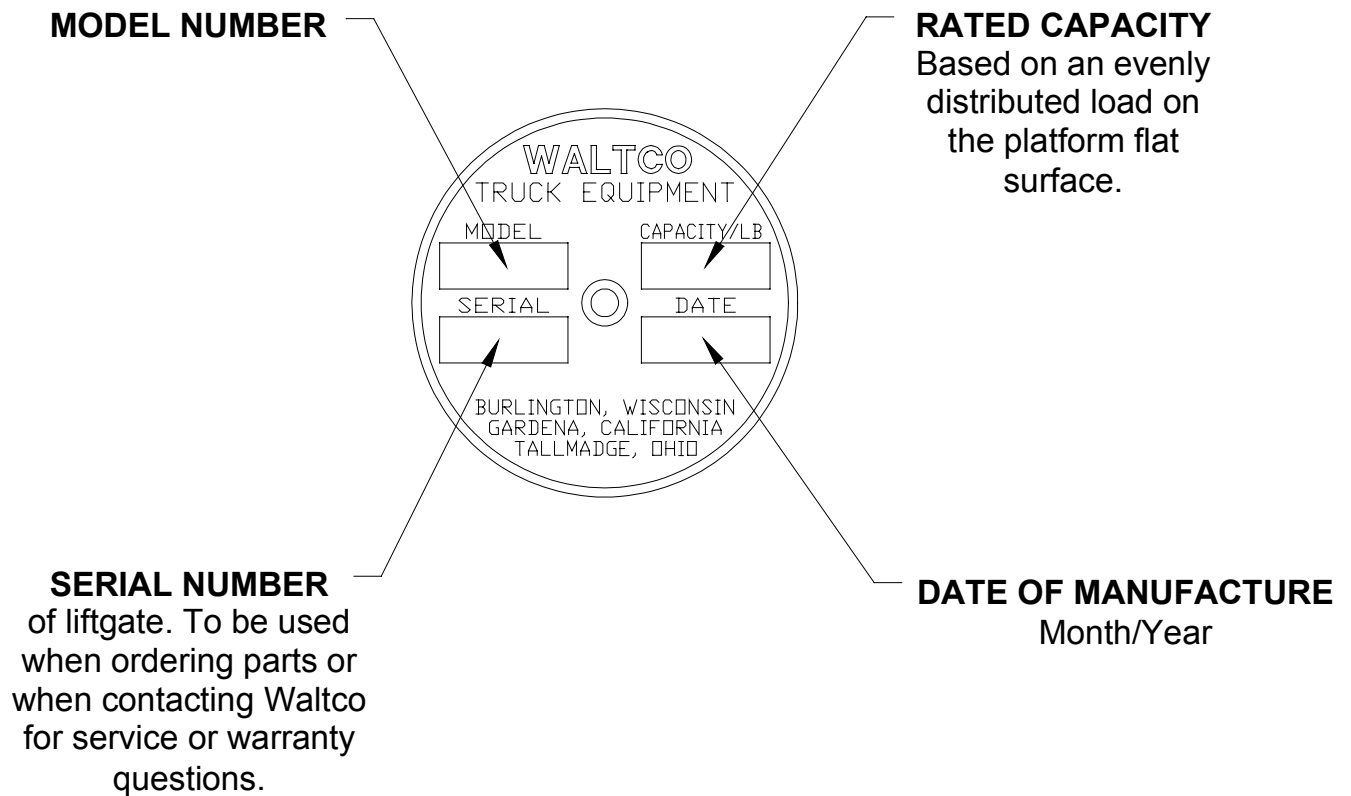


WSL LIFTGATE TERMINOLOGY



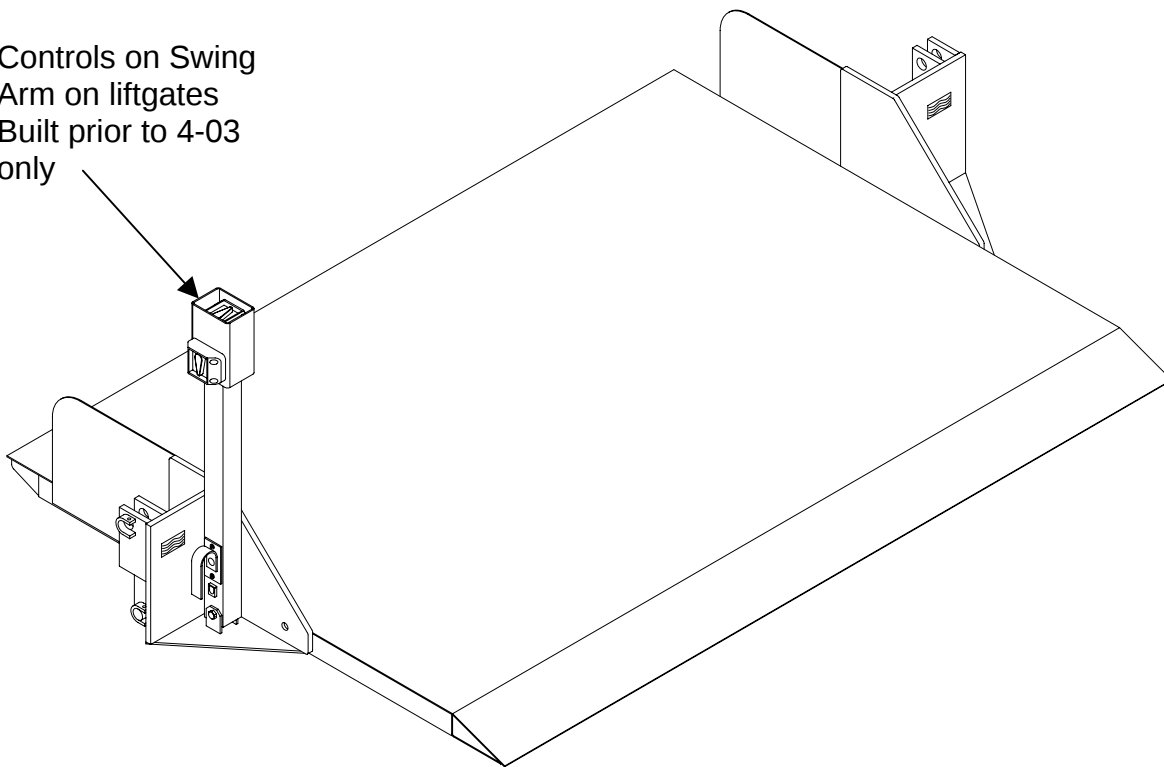
EXPLANATION OF SPECIFICATION TAG

MODEL NO.	MODEL NAME	DESCRIPTION	CAPACITY
273	WSL-30	WSL-30 Series	3000 lb.
274	WSL-40	WSL-40 Series	4000 lb.



WSL SERIES PLATFORM ASSEMBLY

Controls on Swing
Arm on liftgates
Built prior to 4-03
only



Common Features

- Trailer Side Mount liftgate
- Formerly manufactured by Venco (contact Waltco Parts for any liftgates built by Venco prior to 5-94)
- Wide arm design
- Capacity decal
- Platforms are 42", 48", 60", or 72" wide
- Platforms are available in 48", 52", and 60" Depths
- Ramps available in 6" and 12" Fixed and 12" Folding
- Controls mounted on swing arm attached to platform (for liftgates built prior to 4-03)

PM-346 (Built from 5-94 thru 12-96)

PM-409 (Built from 12-96 thru 12-97)

PM-452 (Built from 12-97 thru 6-99)

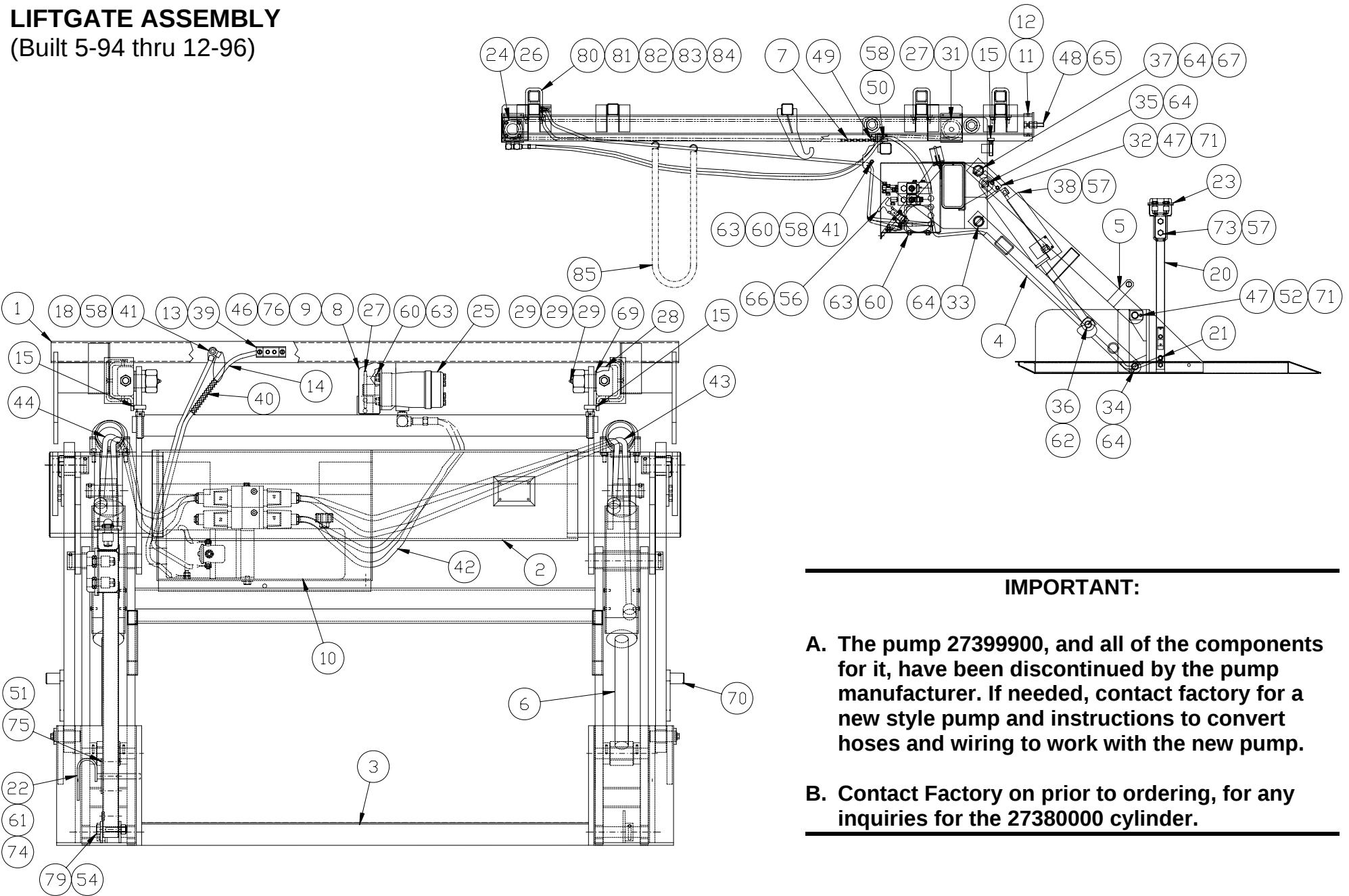
PM-502 (Built from 6-99 thru 4-03)

PM-502A (Built from 4-03)

Rev. 01 4/05

[Click here for list of liftgate serial numbers, organized by approximate ship dates.](#)

LIFTGATE ASSEMBLY
(Built 5-94 thru 12-96)



IMPORTANT:

- A. The pump 27399900, and all of the components for it, have been discontinued by the pump manufacturer. If needed, contact factory for a new style pump and instructions to convert hoses and wiring to work with the new pump.
- B. Contact Factory on prior to ordering, for any inquiries for the 27380000 cylinder.

WALTCO
TRUCK EQUIPMENT CO.
WSL SERIES

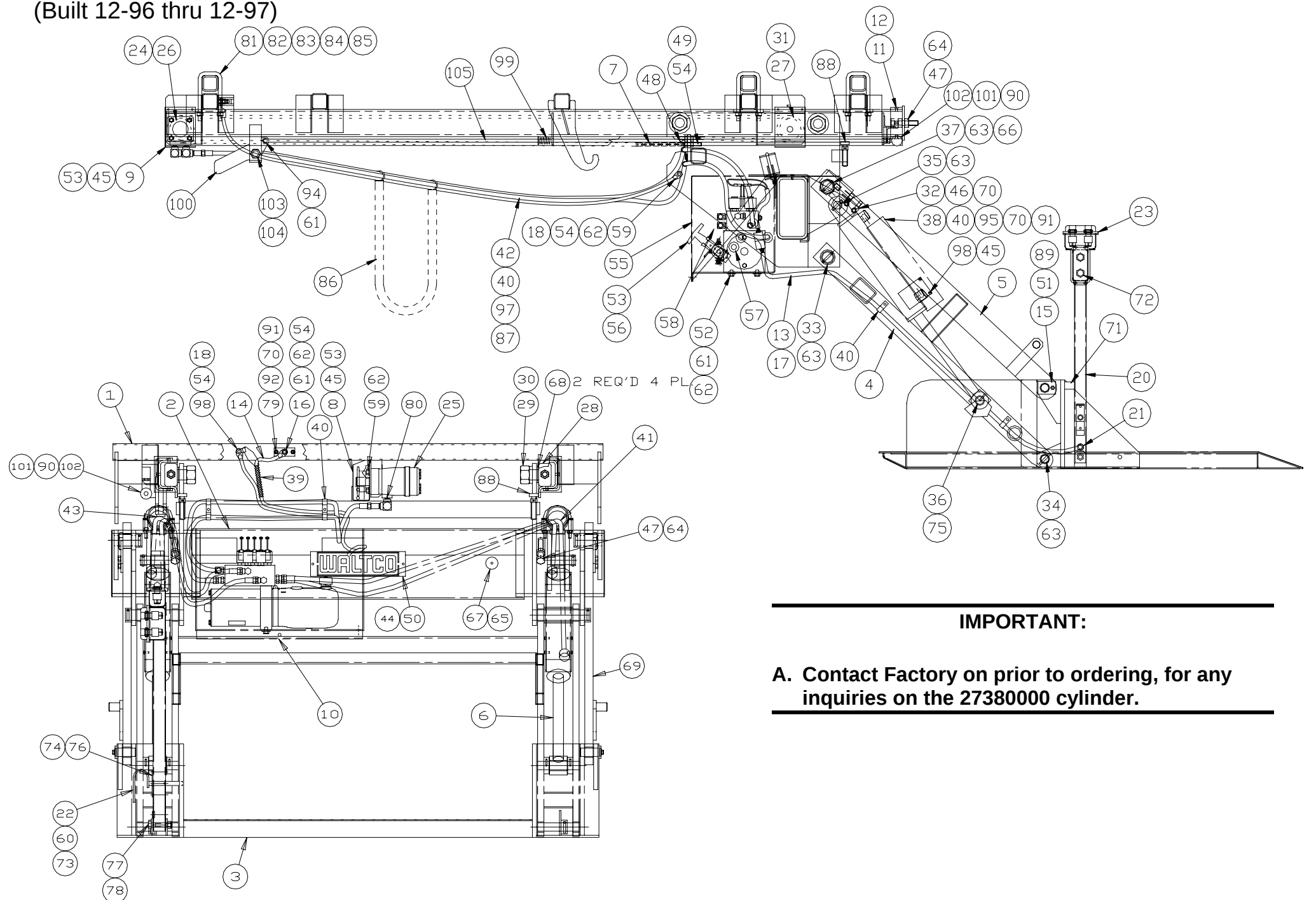
REVISED: 4-1-05
E.O. 5221G
REV. 02

PM-346

ITEM	PART NUMBER	QTY	DESCRIPTION
1	27360042	1	Track Frame Assembly
2	27320042	1	Main Frame Assembly
3	27310146	1	Platform Assembly, 42" x 48" + 6"
	27300401	1	Platform Assembly, 42" x 52" + 6" Fldg
	27310152	1	Platform Assembly, 42" x 52" + 12" Fldg
4	27330042	1	Lower Arm Assembly
5	27350051	1	Upper Arm Assembly (Left)
6	27380000	2	Cylinder
7	27371901	1	Chain
8	27374000	1	Chain Guard (Front)
9	27374001	1	Chain Guard (Rear)
10	27399900	1	Power Unit ^A
11	27301301	2	1/4"-20 x 1/2" Flat Head Screw
12	27371501	2	Cap Assembly
13	27301501	2	#8-32 x 1/2" Hex Bolt
14	10195608	1	Battery Cable (Hot)
15	27375001	4	1-1/16" Dia. Roller
18	10195610	1	Ground Cable Assembly
19	27372001	1	Installation Kit
20	27394001	1	Control Arm Assembly
21	75080058	1	3/8" Romex Connector
22	27394701	1	Spring
23	27394100	2	Switch Box Lid
24	27302401	1	3/16" Key Stock
25	27390100	1	Hydraulic Motor
26	27370101	1	1" Bore Sprocket
27	27370301*	1	3/4" Bore Sprocket w/ Bearing
28	27370201	4	2-3/4" Roller
29	75088090	4	1-1/4" Lock Washer
30	75085118	4	1-1/4"-12 Hex Nut
31	75001060*	1	Snap Ring
32	27370401	2	Stop Plate
33	27370501	2	Lower Pivot Pin
34	27370601	2	Platform Pin (Lower Arm)
35	27370701	2	Cylinder Pin
36	27370801	2	Cylinder Rod Pin
37	27370901	2	Upper Pivot Pin
38	27380101	2	Cylinder Cover
39	27395001	1	Terminal Block
40	27390201	1	Cord Restraint
41	75083046	2	9/16" Cable Clamp
42	75083088	2	Hydraulic Hose (Hydraulic Motor)

ITEM	PART NUMBER	QTY	DESCRIPTION
43	75083088	1	Hydraulic Hose (Right Cylinder)
44	75083089	1	Hydraulic Hose (Left Cylinder)
45	75089298	8	6" Cable Tie
46	75088077	13	#10 Lock Washer
47	75085390	6	1/4"-20 Acorn Nut
48	75086159	2	5/8"-11 x 3" Hex Bolt
49	27371001	2	Connecting Link #4 Chain
50	27371101	2	Chain Bolt
51	27394400	1	Latch Retainer
52	27371201	2	Upper Platform Pin Assembly
53	75086055	2	3/8"-16 x 3/4" Hex Bolt
54	75086110	1	1/2"-13 x 2-1/2" Hex Bolt
55	27391001	1	Power Unit Cover
56	27391301	2	Rubber Hold Down
57	27399501	1	Snap Bushing
58	75085121	7	3/8"-16 Hex Nut
59	27305901	1	Hydraulic Tube Assembly (Inside)
60	75086056	5	3/8"-16 x 1" Hex Bolt
61	75089538	1	5/32" x 1" Coiled Pin
62	75089549	4	1/4" x 1" Coiled Pin
63	75088081	7	3/8" Lock Washer
64	75089553	8	1/4" x 1-1/4" Coiled Pin
65	75085012	4	5/8"-11 Hex Nut
66	27306601	1	Hydraulic Tube Assembly (Outside)
67	27371801	2	Adjusting Bushing
69	27375011	8	Bushing, 1-1/4" x 1-3/4" 10 Ga.
70	27350001	1	Upper Arm Assembly (Right)
71	75088079	4	1/4" Lock Washer
72	27307101	4	3/16" Grease Zerk
73	75089805	4	Push Button Switch
74	27394901	1	Latch Assembly
75	27307401	2	1/4" Dia. X 3/8" Rivet
76	75085300	13	#10-24 Acorn Nut
78	75088053	2	3/8" Flat Washer
79	75085162	1	1/2"-13 Nylon Lock Nut
80	27372101	6	Mounting Tube
81	27372601	6	"U" Bolt
82	27372501	6	Tie Plate
83	75088084	12	9/16" Lock Washer
84	75085122	12	9/16"-18 Hex Nut
85	27372401	1	Spring
86	27392001	1	Wire Assembly

LIFTGATE ASSEMBLY
(Built 12-96 thru 12-97)



WALTCO
TRUCK EQUIPMENT CO.
WSL-30

IMPORTANT:

A. Contact Factory on prior to ordering, for any inquiries on the 27380000 cylinder.

REVISED: 9-30-05
E.O. 5221G
REV. 02

PM-409

ITEM	PART NUMBER	QTY	DESCRIPTION
1	27360042	1	Track Frame Assembly, 42" Wide
	27360048	1	Track Frame Assembly, 48" Wide
2	27320042	1	Main Frame Assembly, 42" Wide
	27320048	1	Main Frame Assembly, 48" Wide
3	27310146	1	Platform, 48" x 42" + 6"
	27310152	1	Platform, 52" x 42" + 12" Folding
	27310162	1	Platform, 60" x 42" + 12" Folding
	27310246	1	Platform, 48" x 48" + 6"
	27310252	1	Platform, 52" x 48" + 12" Folding
	27310262	1	Platform, 60" x 48" + 12" Folding
4	27330042	1	Lower Arm Assembly, 42" Wide
	27330048	1	Lower Arm Assembly, 48" Wide
5	27350051	1	Upper Arm Assembly (Left)
6	27380000	2	Cylinder
7	27371901	1	Chain
8	27374000	1	Chain Guard (Front)
9	27374001	1	Chain Guard (Rear)
10	70400825	1	Power Unit
11	75086006	6	1/4"-20 x 1" Hex Head Screw
12	27371501	2	Cap Assembly
13	27391500	1	Harness, Motor/Valve Control Wiring
14	10195608	1	Battery Cable (Hot)
15	75086065	4	5/16"-18 x 3/4" lg. Hex Screw, Gr. 5
16	27395001	1	Junction Block
17	27391600	1	Harness, Control Wiring
18	10195610	1	Ground Cable Assembly
20	27394401	1	Control Arm Assembly
21	75080058	1	3/8" Romex Connector
22	27394701	1	Spring
23	27394100	2	Switch Box Lid
24	27302401	1	3/16" Key Stock
25	27390100	1	Hydraulic Motor
26	27370101	1	1" Bore Sprocket
27	27370301	1	3/4" Bore Sprocket w/ Bearing
28	27370201	4	2-3/4" Roller
29	75088090	4	1-1/4" Lock Washer

ITEM	PART NUMBER	QTY	DESCRIPTION
30	75085118	4	1-1/4"-12 Hex Nut
31	75001060	1	Snap Ring
32	27370401	2	Stop Plate
33	27370501	2	Lower Pivot Pin
34	27370601	2	Platform Pin (Lower Arm)
35	27370701	2	Cylinder Pin
36	27370801	2	Cylinder Rod Pin
37	27370901	2	Upper Pivot Pin
38	27380101	2	Cylinder Cover
39	27390201	1	Cord Restraint
40	75083046	4	9/16" Cable Clamp
41	75083090	1	Hydraulic Hose (Right Cylinder)
42	75083088	2	Hydraulic Hose (Hydraulic Motor)
43	75083089	1	Hydraulic Hose (Left Cylinder)
44	75089451	1	Name Plate
45	75088077	14	#10 Lock Washer
46	75085390	4	1/4"-20 Acorn Nut
47	75086158	2	5/8"-11 x 3" Hex Bolt
48	27371001	2	Connecting Link #40 Chain
49	27371101	2	Chain Bolt
50	75089410	2	Metal Tack
51	27371201	2	Upper Platform Pin Assembly
52	75086055	2	3/8"-16 x 3/4" Hex Bolt
53	75085300	9	#10-24 Acorn Nut
54	75085096	8	3/8"-16 Hex Nut
55	27391001	1	Power Unit Cover
56	27391301	2	Rubber Hold Down
57	27399501	1	Snap Bushing
58	75083031	5	90° Swivel Elbow, 1/4" x 1/4"
59	75086066	5	3/8"-16 x 1" Hex Bolt
60	75089538	1	5/32" x 1" Coiled Pin
61	75088053	3	3/8" Flat Washer
62	75088081	8	3/8" Lock Washer
63	75089553	8	1/4" x 1-1/4" Coiled Pin
64	75085031	6	5/8"-11 Hex Nut
65	75089404	1	3/16"x 1/4" Drive Rivet
66	27371801	2	Adjusting Bushing

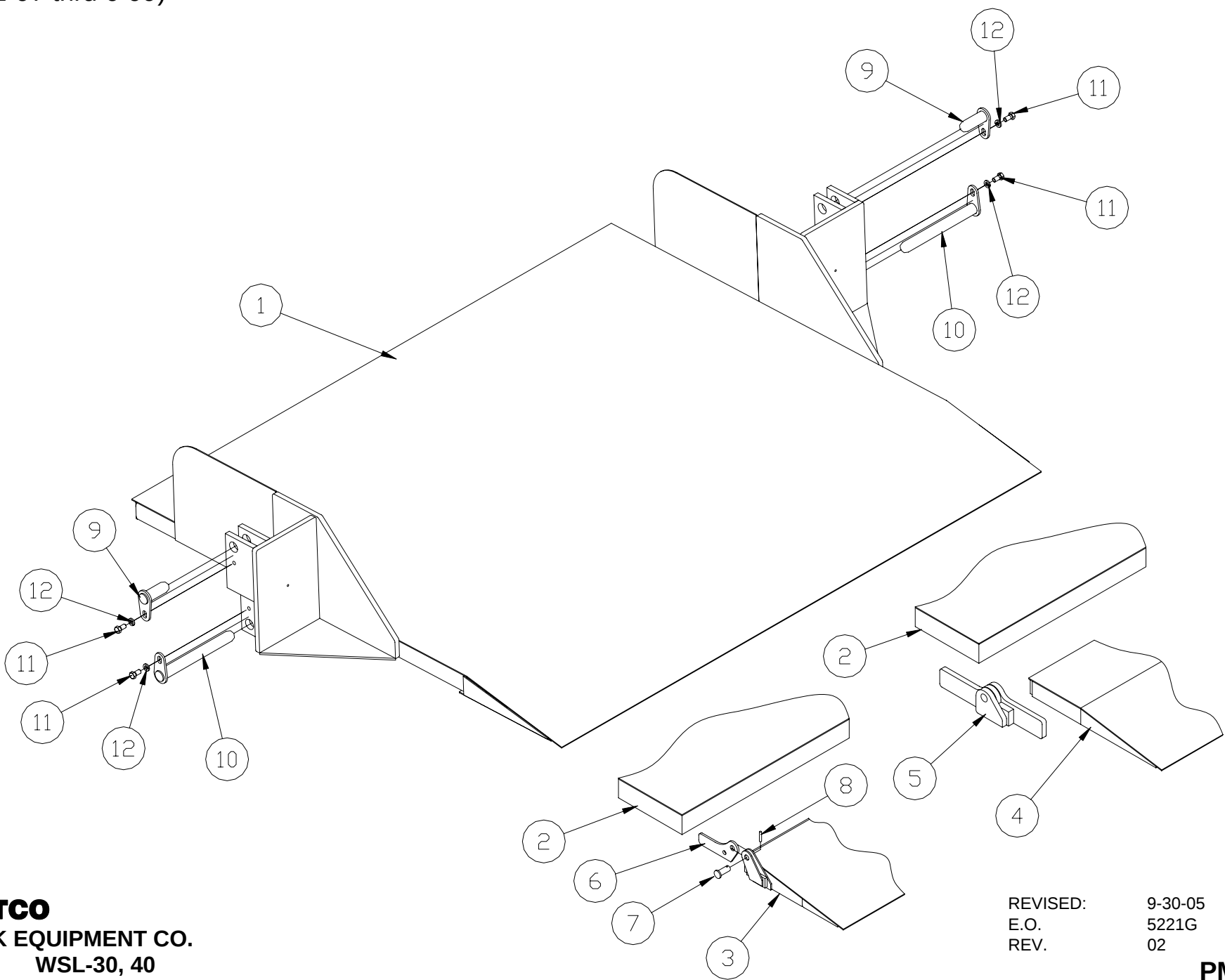
LIFTGATE ASSEMBLY

(Continued from previous page)

ITEM	PART NUMBER	QTY	DESCRIPTION
68	27375011	8	Bushing, 1-1/4" x 1-3/4", 10 Ga.
69	27350001	1	Upper Arm Assembly (Right)
70	75088079	8	1/4" Lock Washer
71	27394301	1	Bumper, 1/4"-20 Thread
72	75089805	4	Push Button Switch
73	27394901	1	Latch Assembly
74	27307401	2	1/4" Dia. x 3/8" Rivet
75	27306201	4	1/4" x 1" Coiled Pin
76	27394400	1	Latch Retainer
77	75086110	1	1/2"-13 x 2-1/2" Hex Bolt
78	75085162	1	1/2"-13 Hex Lock Nut
79	75086064	2	1/4"-20 x 3-1/2" Hex Bolt
80	75082910	2	1/4" x 1/2" Reducer Bushing
81	27372101	6	Mounting Tube
82	27372601	6	"U" Bolt
83	27372501	6	Tie Plate
84	75088084	12	9/16" Lock Washer
85	75085122	12	9/16"-18 Hex Nut
86	27372401	1	Spring
87	27399101	1	Spiral Loom
88	27375001	4	1-1/8" Dia. Roller
89	75088080	2	5/16" Lock Washer
90	75084062	3	3/8"-16 Jam Nut
91	75085090	4	1/4"-20 Hex Nut
92	75088051	4	1/4" Washer
94	75084052	1	5/32" x 1" Cotter Pin
95	75086062	2	1/4"-20 x 3/4" Hex Bolt
97	75089429	2	1/4" x 3/16"-14 Grip Blind Rivet
98	75087490	8	#10-24 x 1/2" Pan Head Screw
99	27399401	1	Compression Spring
100	27311501	1	Latch Bar
101	27312101	1	Lock Out Angle
102	75089105	1	Knob

ITEM	PART NUMBER	QTY	DESCRIPTION
103	75086182	1	3/4"-10 x 2-1/2" Hex Bolt
104	75085186	1	3/4"-10 Hex Lock Nut
105	27311701	1	Latch Handle

PLATFORM ASSEMBLY
(Built 12-97 thru 6-99)



WALTCO
TRUCK EQUIPMENT CO.
WSL-30, 40

REVISED: 9-30-05
E.O. 5221G
REV. 02

PM-452

ITEM	PART NUMBER	QTY	DESCRIPTION
1	27410146	1	Platform Assembly, 48" x 42" + 6"
	27410246	1	Platform Assembly, 48" x 48" + 6"
	27410346	1	Platform Assembly, 48" x 60" + 6"
	27410446	1	Platform Assembly, 48" x 72" + 6"
2	27411042	1	Deck Assembly, 42"
	27411048	1	Deck Assembly, 48"
	27411060	1	Deck Assembly, 60"
	27411072	1	Deck Assembly, 72"
3	27314003	1	Ramp Assembly (52" x 42" + 12" Platforms)
	27314048	1	Ramp Assembly (52" x 48" + 12" Platforms)
	27314060	1	Ramp Assembly (52" x 60" + 12" Platforms)
	27314072	1	Ramp Assembly (52" x 72" + 12" Platforms)
4	27313004	1	Ramp Assembly (60" x 42" + 12" Platforms)
	27313048	1	Ramp Assembly (60" x 48" + 12" Platforms)
	27313060	1	Ramp Assembly (60" x 60" + 12" Platforms)
	27313072	1	Ramp Assembly (60" x 72" + 12" Platforms)
5	27312004	1	Hinge Assembly, CS
	27312054	1	Hinge Assembly, SS
6	27310203	2	Hinge Plate
7	27310303	2	Clevis Pin, 1/2" Dia. x 1-1/4" Lg.
8	75089548	2	Coiled Pin, 3/16" x 1-1/4"
9	27370811 ^A	2	Pin
10	27370911 ^A	2	Pin
11	75089541	8	Coiled Pin, 1/4" x 1-7/8"
12	27394901	1	Latch Assembly
13	27394400	1	Latch Retainer
14	75089538	1	Coiled Pin, 5/32" x 1"
15	27394701	1	Spring
16	75089429	2	Rivet, 1/4" x 3/8"
17	27394401	1	Control Box Assembly
18	85803467	2	Gasket, Switch Cover
19	85803468	2	Switch Mounting Plate

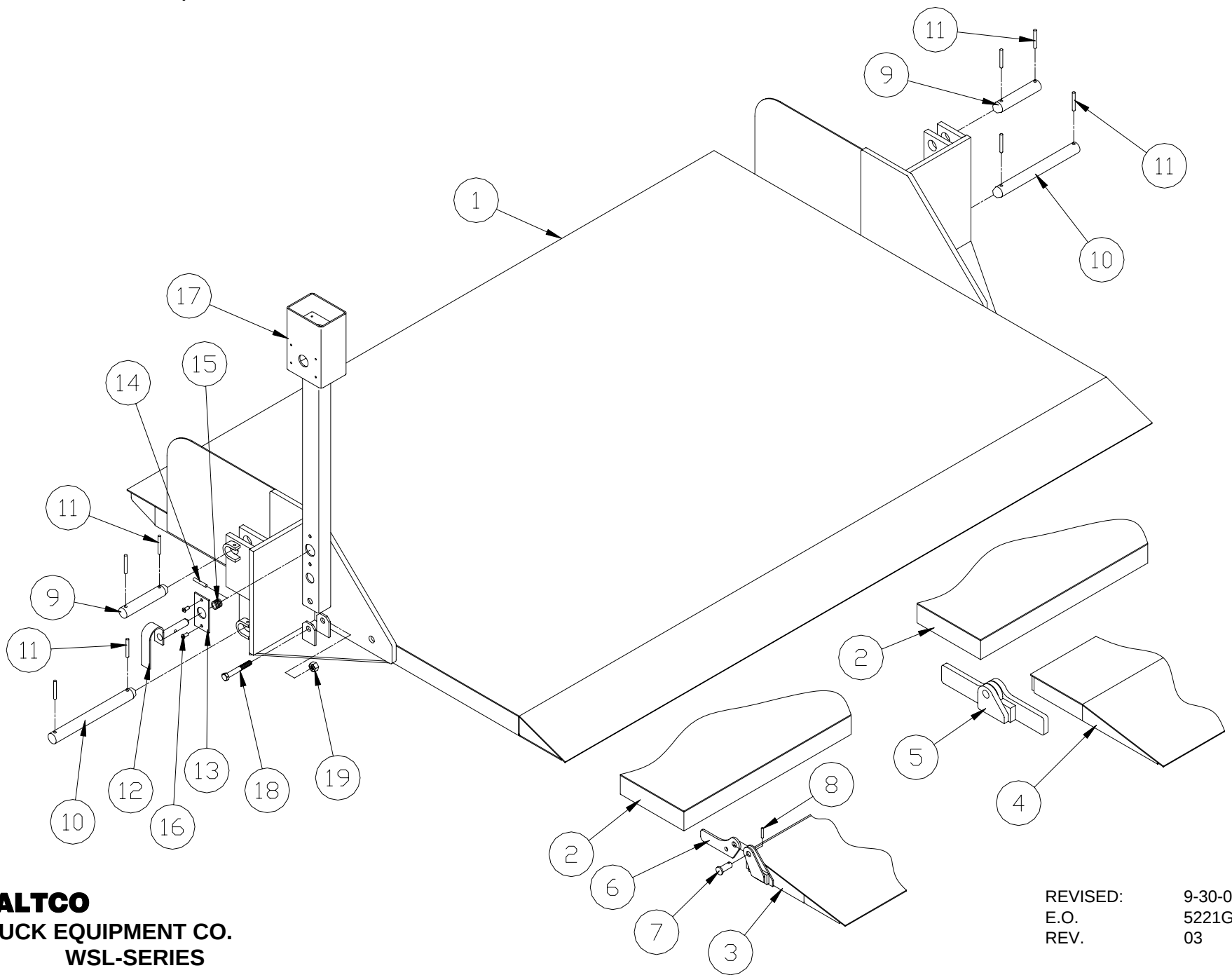
ITEM	PART NUMBER	QTY	DESCRIPTION
20	75088079	2	1/4" Lock Washer
21	75085090	2	1/4"-20 Hex Nut
22	75086110	1	1/2"-13 x 2-1/2" Hex Bolt
23	75085162	1	1/2"-13 Hex Nut
PLATFORM ASSEMBLIES COMPLETE			
	27410146		Platform Assembly, 48" x 42" + 6"
	27410152		Platform Assembly, 52" x 42" + 12"
	27410162		Platform Assembly, 60" x 42" + 12"
	27410246		Platform Assembly, 48" x 48" + 6"
	27410252		Platform Assembly, 52" x 48" + 12"
	27410262		Platform Assembly, 60" x 48" + 12"
	27410346		Platform Assembly, 48" x 60" + 6"
	27410352		Platform Assembly, 52" x 60" + 12"
	27410362		Platform Assembly, 60" x 60" + 12"
	27410446		Platform Assembly, 48" x 72" + 6"
	27410452		Platform Assembly, 52" x 72" + 12"
	27410462		Platform Assembly, 60" x 72" + 12"

Note:

A. Parts included in 80000789 Pin Replacement Kit

See PM-451 for additional parts included in this Pin Kit

PLATFORM ASSEMBLY
 (Built 6-99 thru 4-03)



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 WSL-SERIES

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 E.O. 5221G
 REV. 03

PM-502

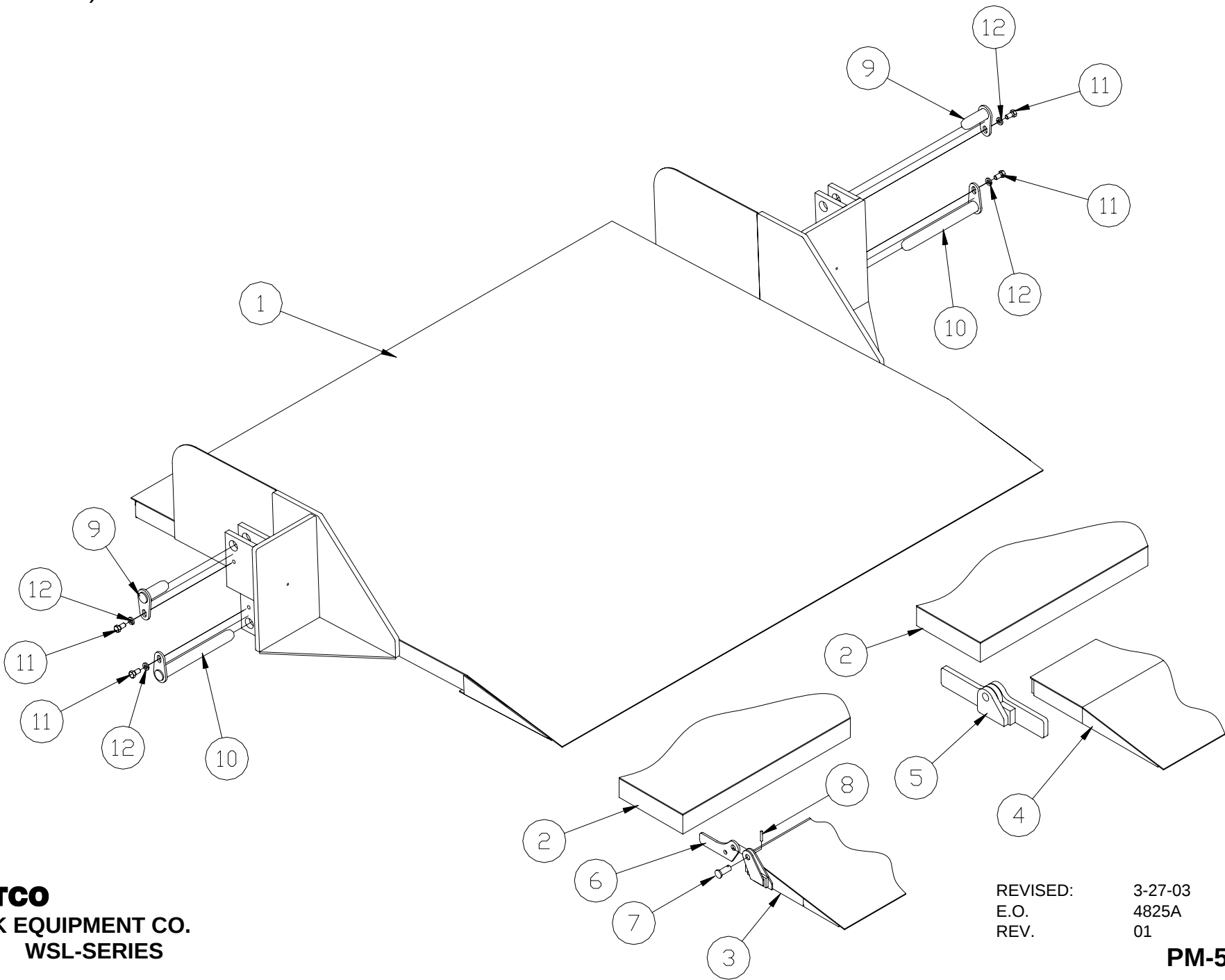
ITEM	PART NUMBER	QTY	DESCRIPTION
1	27410146	1	Platform Assembly, 48" X 42" + 6"
	27410246		Platform Assembly, 48" X 48" + 6"
	27410346		Platform Assembly, 48" X 60" + 6"
	27410446		Platform Assembly, 48" X 72" + 6"
2	27411042	1	Deck Assembly 42"
	27411048		Deck Assembly 48"
	27411060		Deck Assembly 60"
	27411072		Deck Assembly 72"
3	27314003	1	Ramp Assembly (For 52" x 42" + 12" Platforms)
	27314048		Ramp Assembly (For 52" x 48" + 12" Platforms)
	27314060		Ramp Assembly (For 52" x 60" + 12" Platforms)
	27314072		Ramp Assembly (For 52" x 72" + 12" Platforms)
4	27313004	1	Ramp Assembly (For 60" x 42" + 12" Platforms)
	27313048		Ramp Assembly (For 60" x 48" + 12" Platforms)
	27313060		Ramp Assembly (For 60" x 60" + 12" Platforms)
	27313072		Ramp Assembly (For 60" x 72" + 12" Platforms)
5	27312004	1	Hinge Assembly, Curb Side
	27312054	1	Hinge Assembly, Driver's Side
6	27310203	2	Hinge Plate
7	27310303	2	Clevis Pin 1/2" Dia. x 1-1/4" Long
8	75089548	2	Coiled Pin 3/16" Dia. x 1-1/4" Long
9	27370811*	2	Pin
10	27370911*	2	Pin
11	75089541*	8	Coiled Pin 1/4" Dia. x 1-7/8" Long
12	27394901	1	Latch Assembly
13	27394400	1	Latch Retainer
14	75089538	1	Coiled Pin 5/32" Dia. x 1" Long
15	27394701	1	Spring
16	75089429	2	Rivet 1/4" Dia. x 3/8" Long
17	27394403	1	Control Box Assembly
18	75086110	1	1/2"-13 x 2-1/2" Long Hex Bolt

ITEM	PART NUMBER	QTY	DESCRIPTION
19	75085162	1	1/2"-13 Hex Nut
PLATFORM ASSEMBLIES COMPLETE			
	27410146		Platform Assembly 48" X 42" + 6"
	27410152		Platform Assembly 52" X 42" + 12"
	27410162		Platform Assembly 60" X 42" + 12"
	27410246		Platform Assembly 48" X 48" + 6"
	27410252		Platform Assembly 52" X 48" + 12"
	27410262		Platform Assembly 60" X 48" + 12"
	27410346		Platform Assembly 48" X 60" + 6"
	27410352		Platform Assembly 52" X 60" + 12"
	27410362		Platform Assembly 60" X 60" + 12"
	27410446		Platform Assembly 48" X 72" + 6"
	27410452		Platform Assembly 52" X 72" + 12"
	27410462		Platform Assembly 60" X 72" + 12"

* Parts included in the 80000789 Pin Replacement Kit.

See PM 451 for additional parts included in these kits.

PLATFORM ASSEMBLY
 (Built from 4-03)



WALTCO
 TRUCK EQUIPMENT CO.
 WSL-SERIES

REVISED: 3-27-03
 E.O. 4825A
 REV. 01
PM-502A

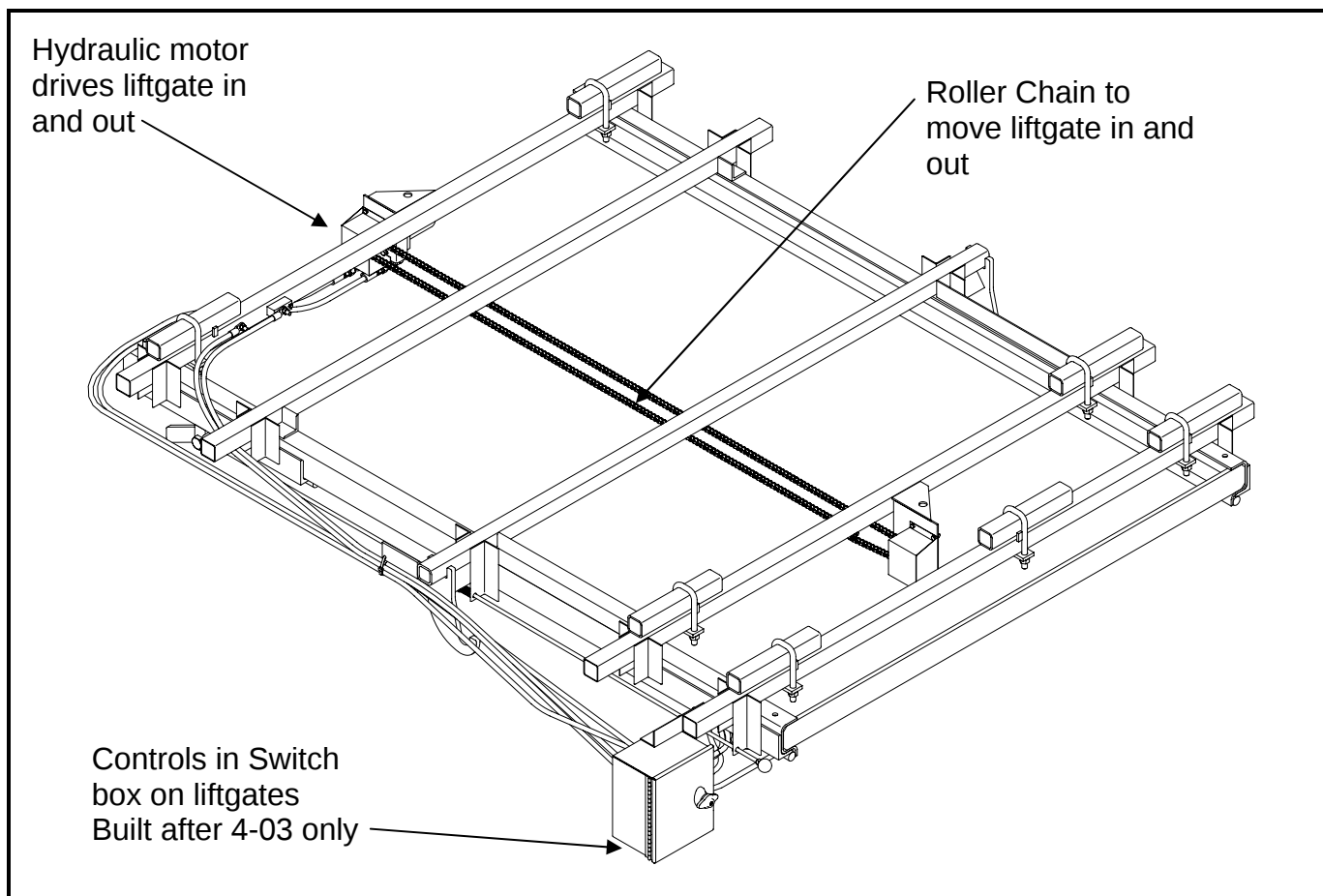
ITEM	PART NUMBER	QTY	DESCRIPTION
1	27311004	1	Platform Assembly, 48" X 42" + 6"
	27311005		Platform Assembly, 48" X 48" + 6"
	27311006		Platform Assembly, 48" X 60" + 6"
	27311007		Platform Assembly, 48" X 72" + 6"
2	27311011	1	Deck Assembly 42"
	27311012		Deck Assembly 48"
	27311013		Deck Assembly 60"
	27311014		Deck Assembly 72"
3	27314003	1	Ramp Assembly (For 52" x 42" + 12" Platforms)
	27314048		Ramp Assembly (For 52" x 48" + 12" Platforms)
	27314060		Ramp Assembly (For 52" x 60" + 12" Platforms)
	27314072		Ramp Assembly (For 52" x 72" + 12" Platforms)
4	27313004	1	Ramp Assembly (For 60" x 42" + 12" Platforms)
	27313048		Ramp Assembly (For 60" x 48" + 12" Platforms)
	27313060		Ramp Assembly (For 60" x 60" + 12" Platforms)
	27313072		Ramp Assembly (For 60" x 72" + 12" Platforms)
5	27312004	1	Hinge Assembly, Curb Side
	27312054	1	Hinge Assembly, Driver's Side
6	27310203	2	Hinge Plate
7	27310303	2	Clevis Pin 1/2" Dia. x 1-1/4" Long
8	75089548	2	Coiled Pin 3/16" Dia. x 1-1/4" Long
9	23370800*	2	Pin
10	27371502*	2	Pin
11	75086846	4	3/8-16 x 3/4" Hex Bolt
12	75088081	4	3/8" Lock Washer

PLATFORM ASSEMBLIES COMPLETE	
27311004	Platform Assembly 48" X 42" + 6"
27311005	Platform Assembly 48" X 48" + 6"
27311006	Platform Assembly 48" X 60" + 6"
27311007	Platform Assembly 48" X 72" + 6"
27310021	Platform Assembly 52" X 42" + 12"
27310022	Platform Assembly 52" X 48" + 12"
27310023	Platform Assembly 52" X 60" + 12"
27310024	Platform Assembly 52" X 72" + 12"
27310031	Platform Assembly 60" X 42" + 12"
27310032	Platform Assembly 60" X 48" + 12"
27310033	Platform Assembly 60" X 60" + 12"
27310034	Platform Assembly 60" X 72" + 12"

* Parts included in the 80003580 Pin Replacement Kit.

See PM 451A for additional parts included in these kits.

WSL SERIES TRACK ASSEMBLY



Common Features

- Trailer Side Mount liftgate
- Formerly manufactured by Venco (contact Waltco Parts for any liftgates built by Venco prior to 5-94)
- Wide arm design
- Capacity decal
- Platforms are 42", 48", 60", or 72" wide
- Platforms are available in 48", 52", and 60" Depths
- Ramps available in 6" and 12" Fixed and 12" Folding
- Controls mounted on swing arm attached to platform (for liftgates built prior to 4-03)
- Controls mounted in Switch Box attached to Track Frame (for liftgates built after 4-03)

PM-346 (Built from 5-94 thru 12-96)

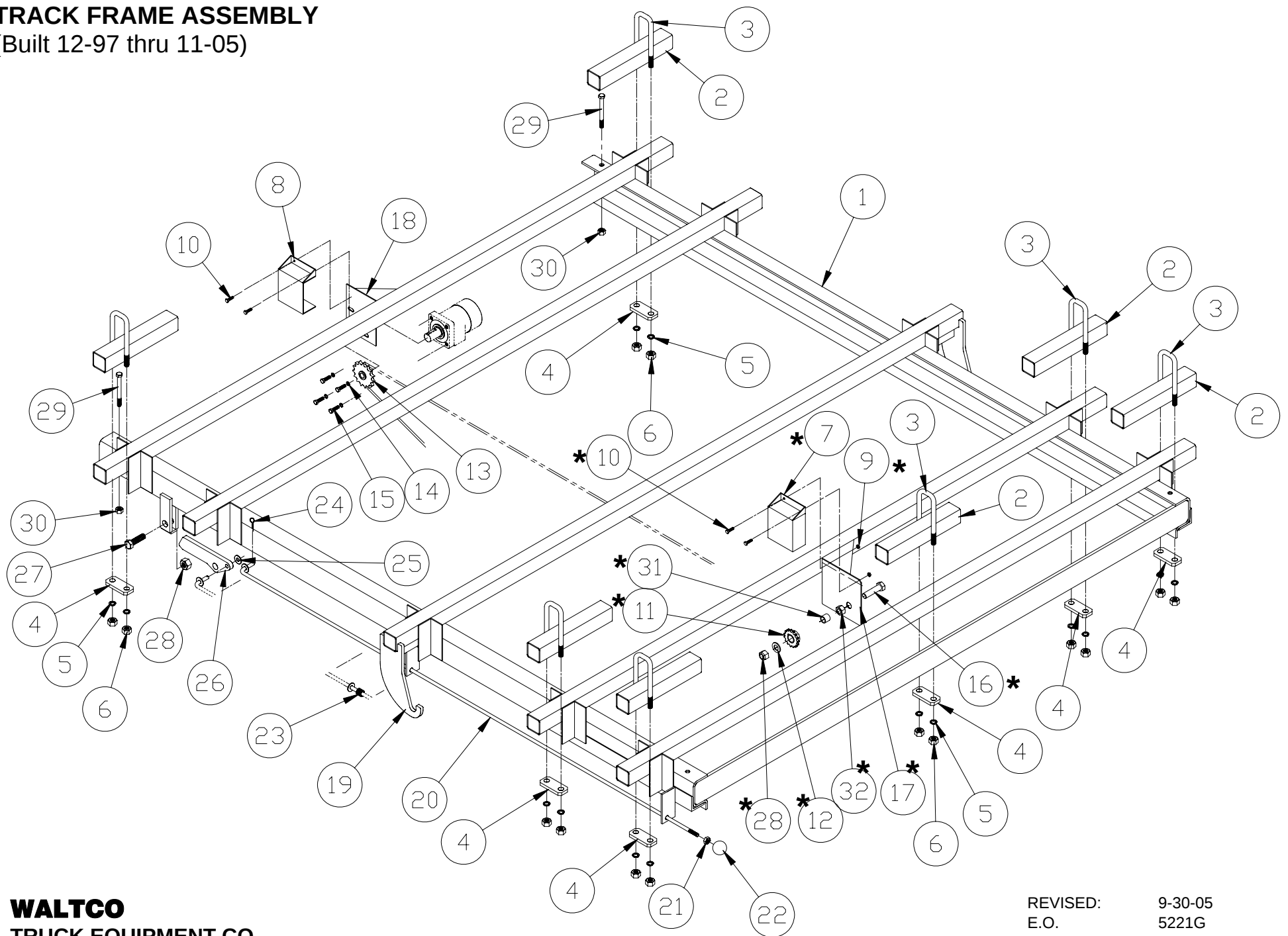
PM-409 (Built from 12-96 thru 12-97)

PM-450C (Built from 12-97 thru 11-05)

PM-450D (Built from 11-05)

TRACK FRAME ASSEMBLY

(Built 12-97 thru 11-05)



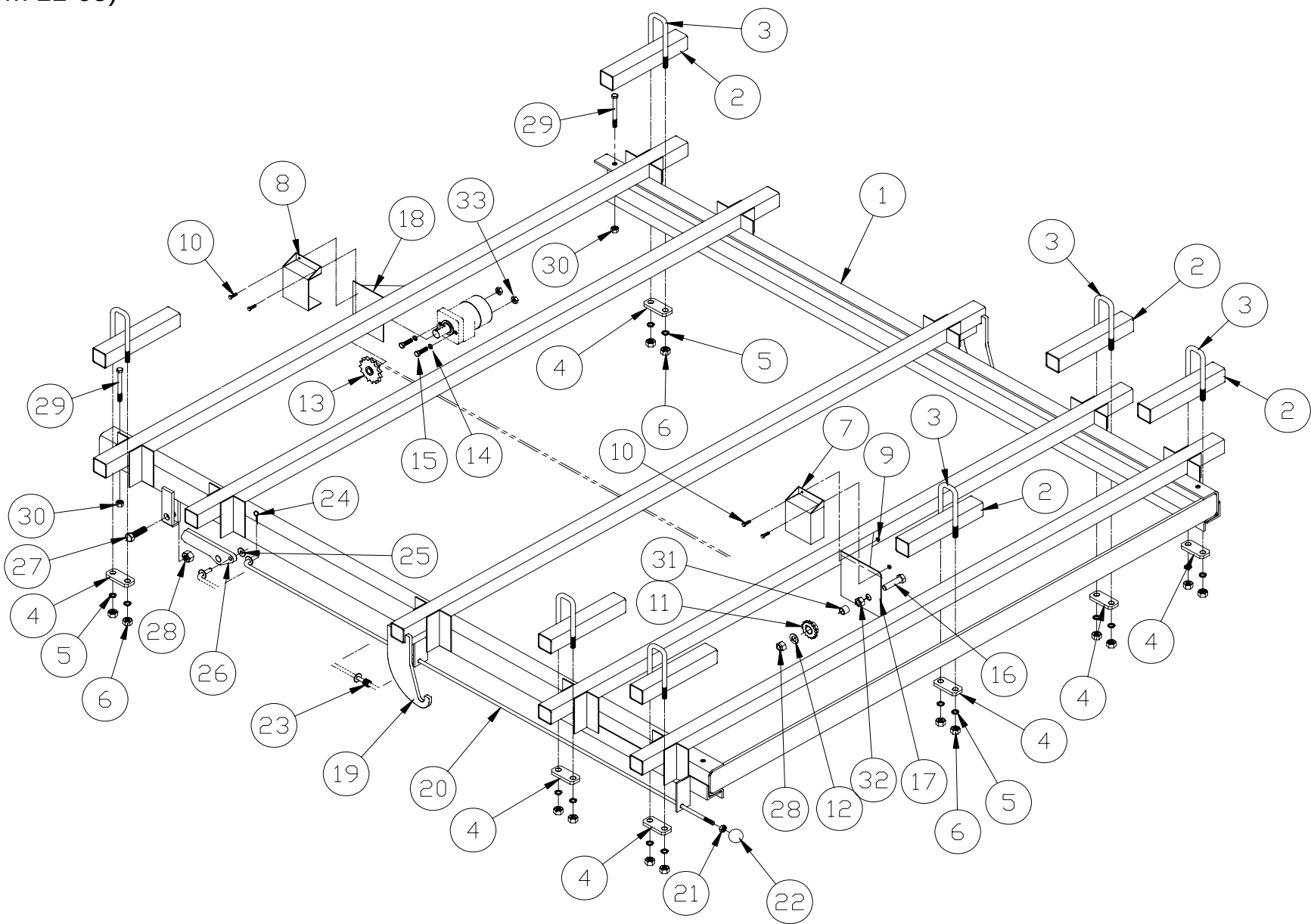
REVISED: 9-30-05
E.O. 5221G
REV. 02

PM-450C

ITEM	PART NUMBER	QTY	DESCRIPTION
1	27460011	1	Track Frame Assembly (42" Platform)
	27460012		Track Frame Assembly (48" Platform)
	27460013		Track Frame Assembly (60" Platform)
	27460014		Track Frame Assembly (72" Platform)
2	27372101	7	Mounting Tube
3	27372601	7	"U" Bolt
4	27372501	7	Tie Plate
5	75088084	14	9/16" Lock Washer
6	75084122	14	9/16"-18 Hex Nut
7	27374000*	1	Chain Guard
8	27374001	1	Chain Guard
9	75085090*	4	1/4-20 Nut
10	75085300*	4	1/4-20 x 3/4" Bolt
11	27361900*	1	Sprocket Assembly, WSL Chain Idler
12	75088259*	1	3/4" Stainless Steel Washer
13	27361800	1	Sprocket, 1" Bore
14	75088081	4	3/8" Lock Washer
15	75086066	4	3/8"-16 x 1" lg. Hex Bolt
16	75086184*	1	3/4"-10 X3" Hex Bolt
17	27361101*	1	Mounting Bracket, Spindle
18	27362101	1	Mounting Bracket, Motor
19	27360702	2	Transit Hook
20	27311701	1	Latch Handle
21	75084062	1	3/8"-16 Jam Nut
22	75089105	1	Knob
23	27399401	1	Compression Spring
24	75084052	1	5/32" x 1" Cotter Pin
25	75088053	1	3/8" Flat Washer
26	27311502	1	Latch Bar
27	75086182	1	3/4"-10 x 2-1/2" lg. Hex Bolt
28	75085199*	2	3/4"-10 Lock Nut
29	75086223	2	½"-20 x 5" LG. Hex Bolt, Grade 8
30	75085110	2	½"-20 Nylon Locknut
31	27361500*	1	3/4" ID Stainless Steel Bushing
32	75085014*	1	3/4"-10 Nut

* Denotes parts included in kit 80001106. For liftgates built prior to 4-03, this kit must be used to replace any of the items.

TRACK FRAME ASSEMBLY
(Built from 11-05)



WALTCO LIFT CORP.
WSL SERIES

REVISED: 11-23-05
E.O. 5635
REV. 01

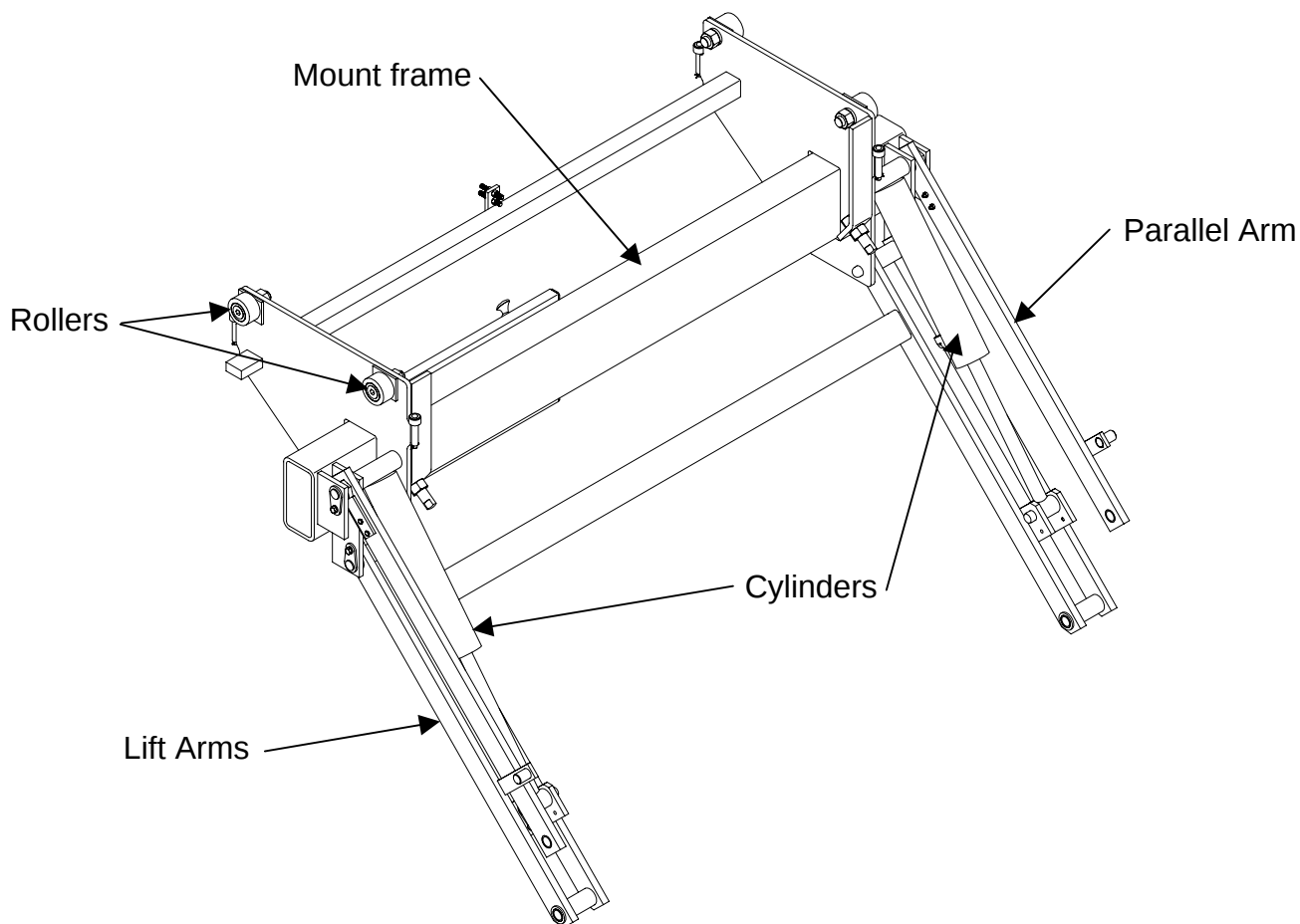
PM-450D

ITEM	PART NUMBER	QTY	DESCRIPTION
1	27460011	1	Track Frame Assembly (42" Platform)
	27460012		Track Frame Assembly (48" Platform)
	27460013		Track Frame Assembly (60" Platform)
	27460014		Track Frame Assembly (72" Platform)
2	27372101	7	Mounting Tube
3	27372601	7	"U" Bolt
4	27372501	7	Tie Plate
5	75088084	14	9/16" Lock Washer
6	75085122	14	9/16"-18 Hex Nut
7	27374000 ^A	1	Chain Guard
8	27374002 ^B	1	Chain Guard
9	75085090 ^A	4	1/4-20 Nut
10	75085300 ^{A B}	4	1/4-20 x 3/4" Bolt
11	27361900 ^A	1	Sprocket Assembly, WSL Chain Idler
12	75088259 ^A	1	3/4" Stainless Steel Washer
13	27361800	1	Sprocket, 1" Bore
14	75088056 ^B	2	Washer 1/2"
15	75086189 ^B	2	Hex bolt 1/2-20 x 1.5
16	75086184 ^A	1	3/4"-10 X3" Hex Bolt
17	27361101 ^A	1	Mounting Bracket, Spindle
18	27362102 ^B	1	Mounting Bracket, Motor
19	27360702	2	Transit Hook
20	27311701	1	Latch Handle
21	75084062	1	3/8"-16 Jam Nut
22	75089105	1	Knob
23	27399401	1	Compression Spring
24	75084052	1	5/32" x 1" Cotter Pin
25	75088053	1	3/8" Flat Washer
26	27311502	1	Latch Bar
27	75086182	1	3/4"-10 x 2-1/2" lg. Hex Bolt
28	75085199 ^A	2	3/4"-10 Lock Nut
29	75086223	2	1/2"-20 x 5" LG. Hex Bolt, Grade 8
30	75085110	2	1/2"-20 Nylon Locknut
31	27361500 ^A	1	3/4" ID Stainless Steel Bushing
32	75085014 ^A	1	3/4"-10 Nut
33	75085196 ^B	2	1/2-20 Lock nut

^A Denotes parts included in kit 80001106. For liftgates built prior to 4-03, this kit must be used to replace any of the items.

^B Denotes parts included in kit 80001109. This kit includes also new hydraulic motor (27569000).

WSL SERIES MOUNT ASSEMBLY



Common Features

- Trailer Side Mount liftgate
- Formerly manufactured by Venco (contact Waltco Parts for any liftgates built by Venco prior to 5-94)
- Wide arm design
- Capacity decal
- Platforms are 42", 48", 60", or 72" wide
- Platforms are available in 48", 52", and 60" Depths
- Ramps available in 6" and 12" Fixed and 12" Folding

PM-346 (Built from 5-94 thru 12-96)

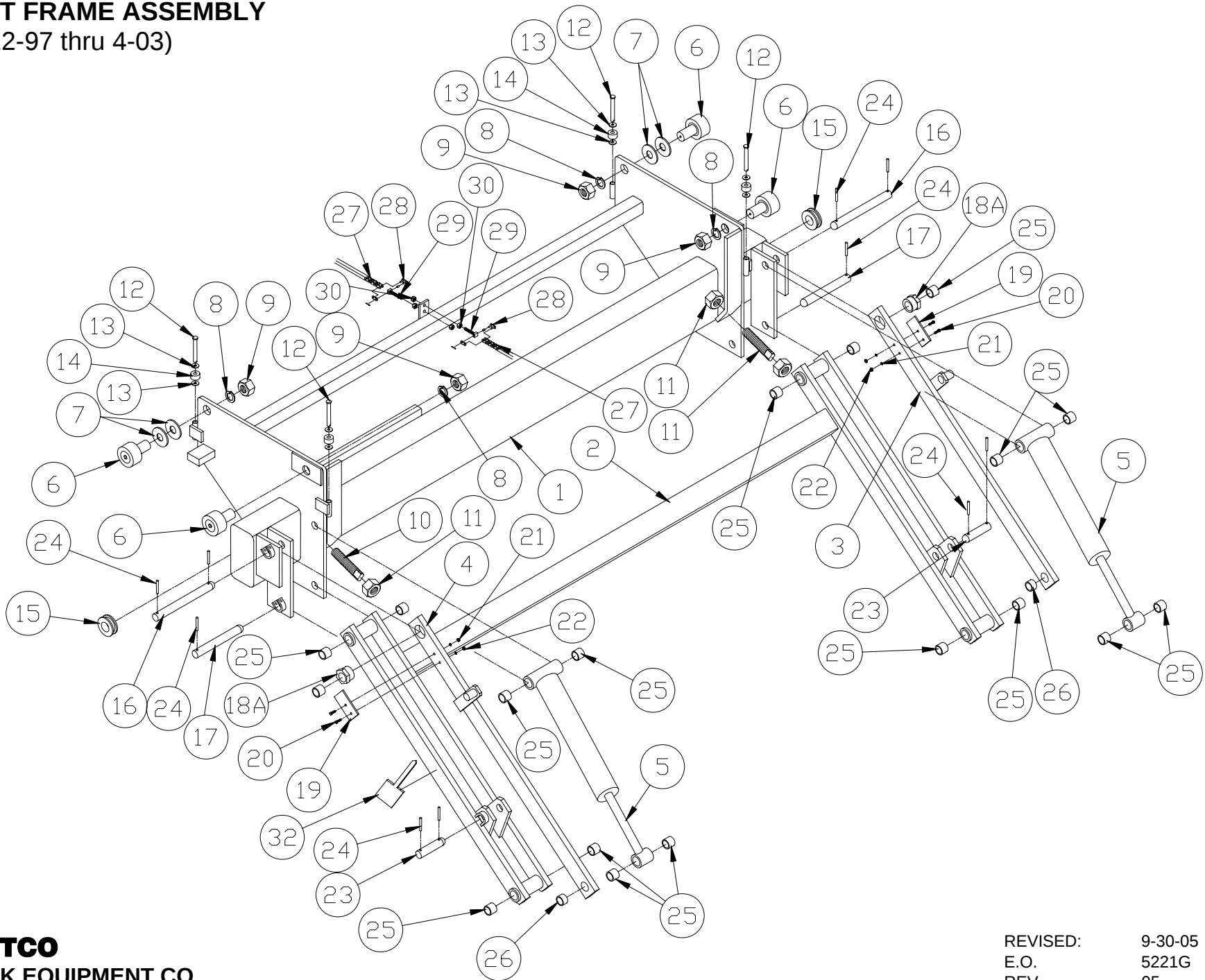
PM-409 (Built from 12-96 thru 12-97)

PM-451 (Built from 12-97 thru 4-03)

PM-451A (Built from 4-03)

MOUNT FRAME ASSEMBLY

(Built 12-97 thru 4-03)



WALTCO
TRUCK EQUIPMENT CO.
WSL-SERIES

REVISED: 9-30-05
E.O. 5221G
REV. 05

PM-451

ITEM	PART NUMBER	QTY	DESCRIPTION
1	27420042	1	Mount Frame Assembly, for 42" wide deck
	27420048		Mount Frame Assembly, for 48" wide deck
	27420060		Mount Frame Assembly, for 60" wide deck
	27420072		Mount Frame Assembly, for 72" wide deck
2	27430042	1	Lift Arm Assembly, for 42" wide deck
	27430048		Lift Arm Assembly, for 48" wide deck
	27430060		Lift Arm Assembly, for 60" wide deck
	27430072		Lift Arm Assembly, for 72", wide deck
3	27350002	1	Parallel Arm Assembly, C.S., w/Bearing
4	27350052	1	Parallel Arm Assembly, D.S., w/Bearing
5	27380010	2	Hydraulic Cylinder (WSL-30 Only)
	27480010		Hydraulic Cylinder (WSL-40 Only)
6	27370201	4	Roller 2-3/4"
7	27375011	4	Spacer Washer
8	75088090	4	1-1/4" Lock Washer
9	75085118	4	1-1/4"-12 Hex Nut
10	10370600	2	Stop Bolt
11	75085018	4	1"-18 Hex Nut
12	27375101	4	Clevis Pin
13	75088054	8	7/16" Washer
14	27375201	4	Roller, 1-1/8"
15	75089333	2	Grommet, 1-5/16" I.D. x 1/2"
16	27370911*	2	Pin
17	27370511*	2	Pin
18a	27372051*	1	Adjusting Bushing, D.S., w/Bearing
18b	27372001*	1	Adjusting Bushing, C.S., w/Bearing
19	27370401	2	Stop Plate
20	75086008	4	1/4"-20 x 1-1/2" Long Hex Bolt
21	75088079	4	1/4" Lock Washer
22	75085090	4	1/4"-20 Hex Nut
23	27370811*	2	Pin
24	75089541	10	Coiled Pin, 1/4" x 1-7/8" Long
25	85803391**	18	Bearing 1" I.D. x 1" Long
26	10010142**	2	Bearing 1" I.D. x 3/4" Long
27	27371901	1	Chain

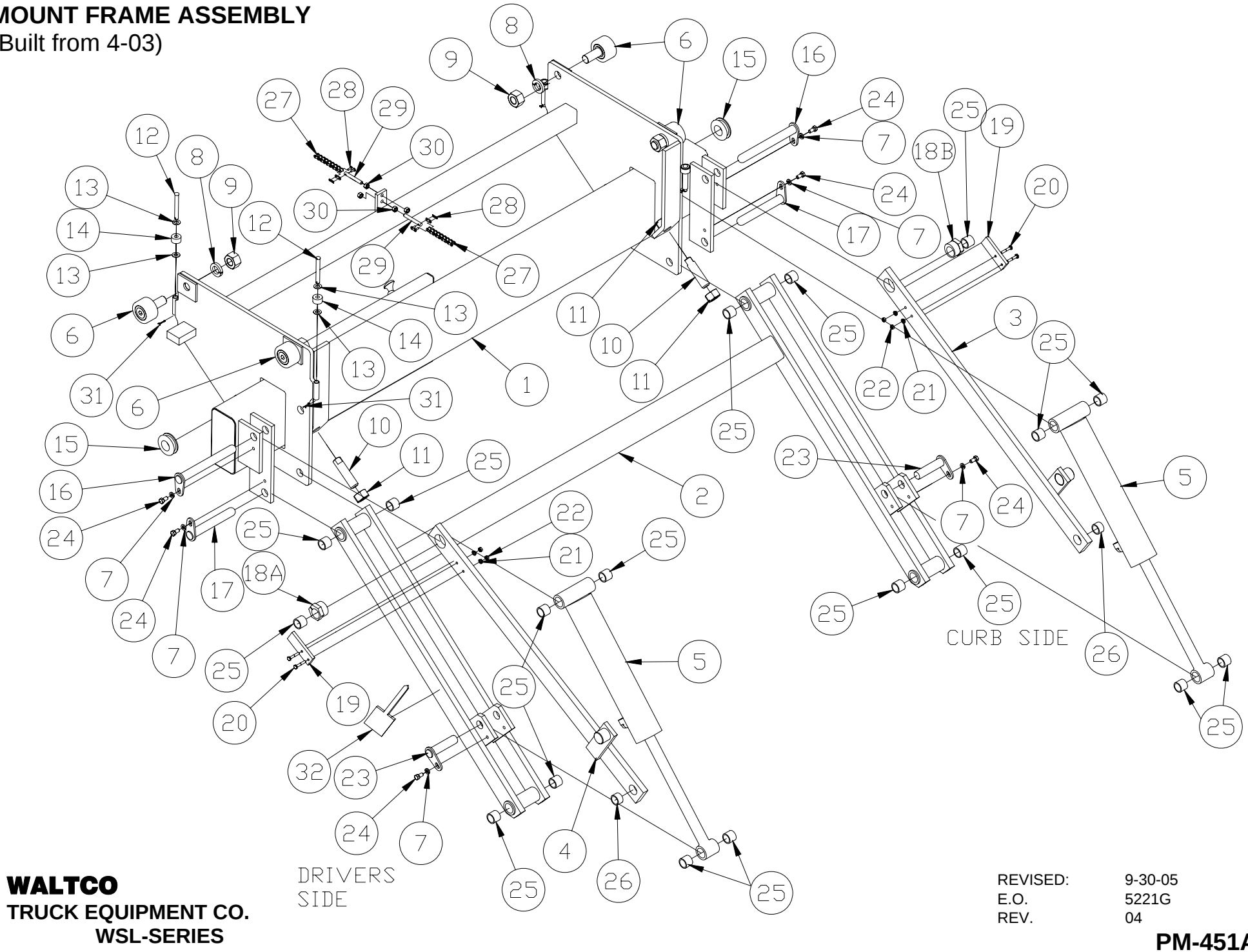
ITEM	PART NUMBER	QTY	DESCRIPTION
28	27371001	2	Connecting Link
29	27371101	2	Chain Bolt
30	75085096	4	3/8"-13 Hex Nut
32	80001029	1	Platform Position Pointer Kit

* Parts included in the 80000789 Pin Replacement Kit.

** Parts included in the 80000790 Bearing Replacement Kit.

See PM 502 for additional parts included in these kits.

MOUNT FRAME ASSEMBLY
(Built from 4-03)



WALTCO
TRUCK EQUIPMENT CO.
WSL-SERIES

REVISED: 9-30-05
E.O. 5221G
REV. 04
PM-451A

ITEM	PART NUMBER	QTY	DESCRIPTION
1	27420142	1	Mount Frame Assy, for 42" wide deck
	27420148		Mount Frame Assy, for 48" wide deck
	27420160		Mount Frame Assy, for 60" wide deck
	27420172		Mount Frame Assy, for 72" wide deck
2	27431042	1	Lift Arm Assembly, for 42" wide deck
	27431048		Lift Arm Assembly, for 48" wide deck
	27431060		Lift Arm Assembly, for 60" wide deck
	27431072		Lift Arm Assembly, for 72" wide deck
3	27350003	1	Parallel Arm Assembly, C.S., w/Bearing
4	27350053	1	Parallel Arm Assembly, D.S., w/Bearing
5	27380010	2	Hydraulic Cylinder (WSL-30 Only)
	27480010		Hydraulic Cylinder (WSL-40 Only)
6	27370202	4	Roller 2-3/4"
7	75088081	6	Lock Washer, 3/8"
8	75088091	4	Lock Washer, 1"
9	75085190	4	1"-14 Hex Lock Nut
10	10370600	2	1" Stop Bolt
11	75085018	4	1"-8 Hex Nut
12	27375101	4	Clevis Pin
13	75088054	8	7/16" Washer
14	27375201	4	Roller, 1-1/8"
15	75089333	2	Grommet, 1-5/16" I.D. x 1/2"
16	27371502*	2	Pin
17	27371002*	2	Pin
18a	27372051	1	Adjusting Bushing, D.S., w/Bearing
18b	27372001	1	Adjusting Bushing, C.S., w/Bearing
19	27370401	2	Stop Plate
20	75086008	4	1/4"-20 x 1-1/2" Long Hex Bolt
21	75088079	4	1/4" Lock Washer
22	75085090	4	1/4"-20 Hex Nut
23	23370300*	2	Pin
24	75086846	6	3/8-16 x 3/4 Hex Bolt
25	85803391**	18	Bearing 1" I.D. x 1" Long
26	10010142**	2	Bearing 1" I.D. x 3/4" Long
27	27371901	1	Chain
28	27371001	2	Connecting Link
29	27371102	2	Chain Bolt
30	75085096	4	3/8"-16 Hex Nut
31	75084053	4	3/32" x 1' Cotter Pin

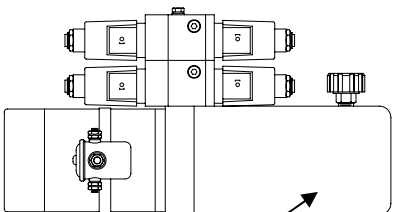
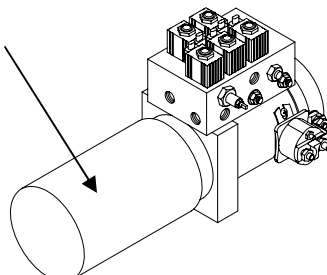
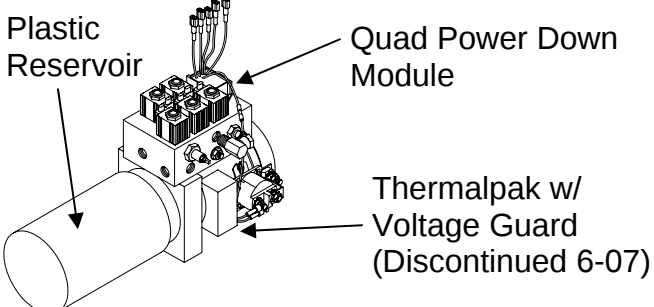
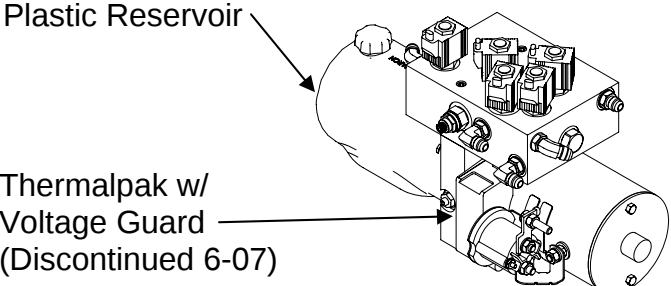
ITEM	PART NUMBER	QTY	DESCRIPTION
32	80001029	1	Platform Position Pointer Kit

* Parts included in the 80003580 Pin Replacement Kit.

** Parts included in the 80000790 Bearing Replacement Kit.

See PM 502A for additional parts included in these kits.

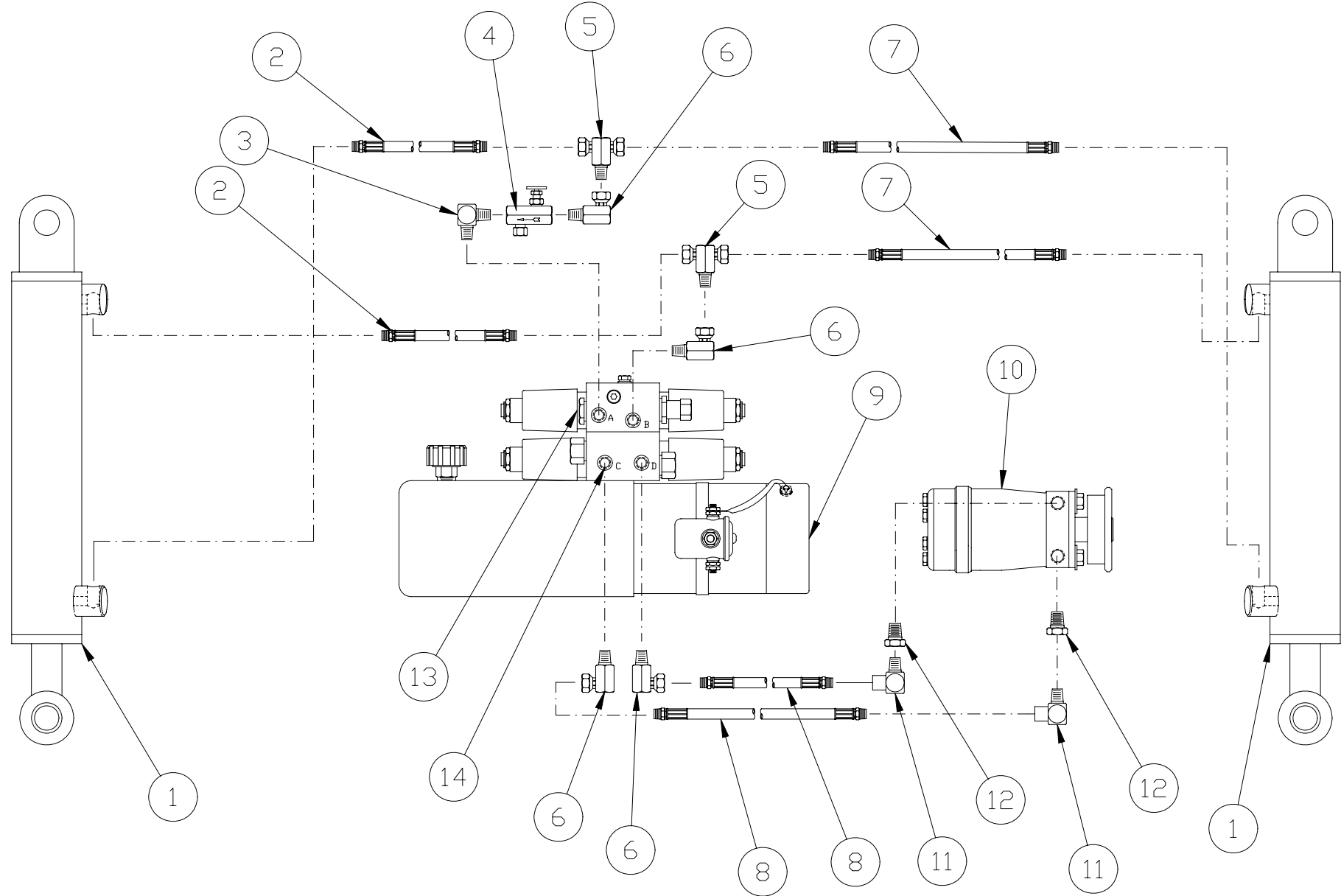
WSL SERIES HYDRAULICS

 Metal Reservoir	 Plastic Reservoir	
Fenner Pump with Push Button Control in Swing Arm on Platform Built 5-94 thru 12-96 Hydraulic Layout – PM-347 Electrical Layout – PM-346 Cylinder – PM-677	Monarch Pump with Push Button Control in Swing Arm on Platform Built 12-96 thru 12-97 Hydraulic Layout – PM-396 Electrical Layout – PM-409 Cylinder – PM-677 Pump – PM-699	Monarch Pump with Push Button Control in Swing Arm on Platform Built 12-97 thru 6-99 Hydraulic & Electric Layout PM-453 WSL-30 Cylinder – PM-348 WSL-30 Cylinder – PM-349 Pump – PM-699
 Plastic Reservoir Quad Power Down Module Thermalpak w/ Voltage Guard (Discontinued 6-07)	 Plastic Reservoir Thermalpak w/ Voltage Guard (Discontinued 6-07)	
Monarch Pump with Super Switch Control in Swing Arm on Platform Built from 6-99 thru 4-03 Hydraulic & Electric Layout – PM-503 WSL-30 Cylinder – PM-348 WSL-30 Cylinder – PM-349 Pump – PM-699	Monarch Pump with Super Switch Control in Switch Box attached to Track Frame Built from 4-03 Hydraulic & Electric Layout – PM-503A Pump Enclosure Layout – PM-584 WSL-30 Cylinder – PM-348 WSL-30 Cylinder – PM-349 Pump – PM-700 Pump with Hand Pump – PM-701	
Common Features • Monarch and Fenner power units • Electric control Push Button or Super Switch control • Pump units shipped in weather box • Thermalpak discontinued 6-07 • Added Thermal Protection to all pumps 6-07		

Rev. 02 8/09

[Click here for list of liftgate serial numbers, organized by approximate ship dates.](#)

HYDRAULIC LAYOUT WSL-30 (Old Style)
(Built 5-94 thru 12-96)



WALTCO
TRUCK EQUIPMENT CO.
WSL-30 (O/S)

REVISED: 4-1-05
E.O. 5221G
REV. 03

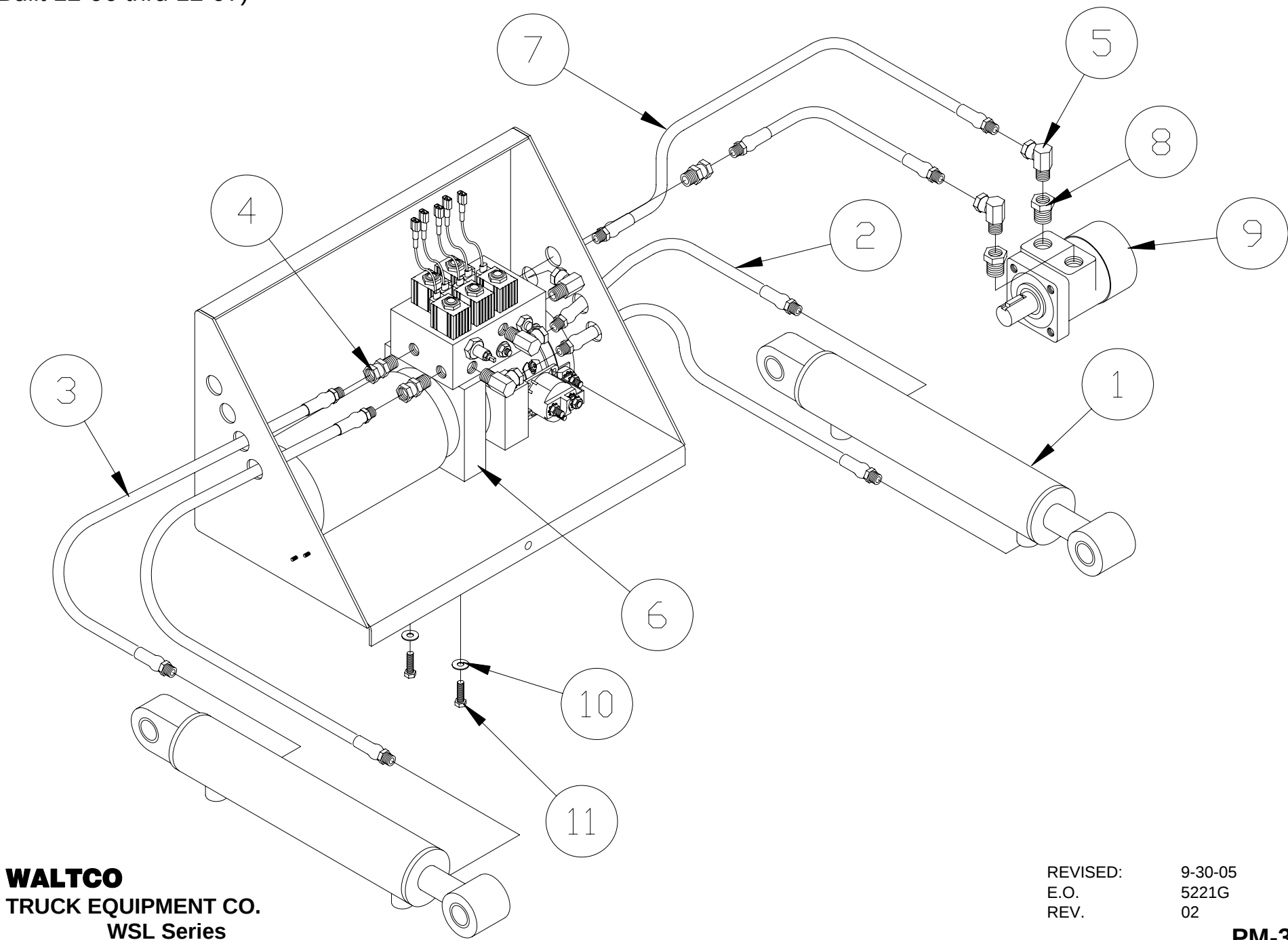
PM-347

ITEM	PART NUMBER	QTY	DESCRIPTION
1	27380000	2	Hydraulic Cylinder
2	75083090	2	Hydraulic Hose Assembly (Right Cylinder)
3	75082611	1	1/4" NPT Male Elbow
4	70189860	1	Flow Restrictor Valve
5	75082857	2	1/4" NPT Male x 1/4" NPT Swivel Female Tee
6	75083031	4	1/4" NPT Male x 1/4" NPT Swivel Female Elbow
7	75083089	2	Hydraulic Hose Assembly (Left Cylinder)
8	75083088	2	Hydraulic Hose Assembly (Hydraulic Motor)
9	27399900	1	Pump Unit
10	27390100	1	Hydraulic Motor
11	75083039	2	1/4" NPT Male x 1/4" NPT Female Elbow
12	75082910	2	1/2" NPT Male x 1/4" NPT Female Bushing
13	27399401	1	U-Valve, 4W3P CCCP 12V N2 Top
14	27399601	1	U-Valve, 4W3P CCCP 12V N2 Bottom

IMPORTANT

Some of the parts shown are either unavailable (discontinued products by the manufacturer) or may have long lead times. Contact Waltco Factory to check availability, pricing and lead time prior to ordering any parts on this drawing.

HYDRAULIC LAYOUT
(Built 12-96 thru 12-97)

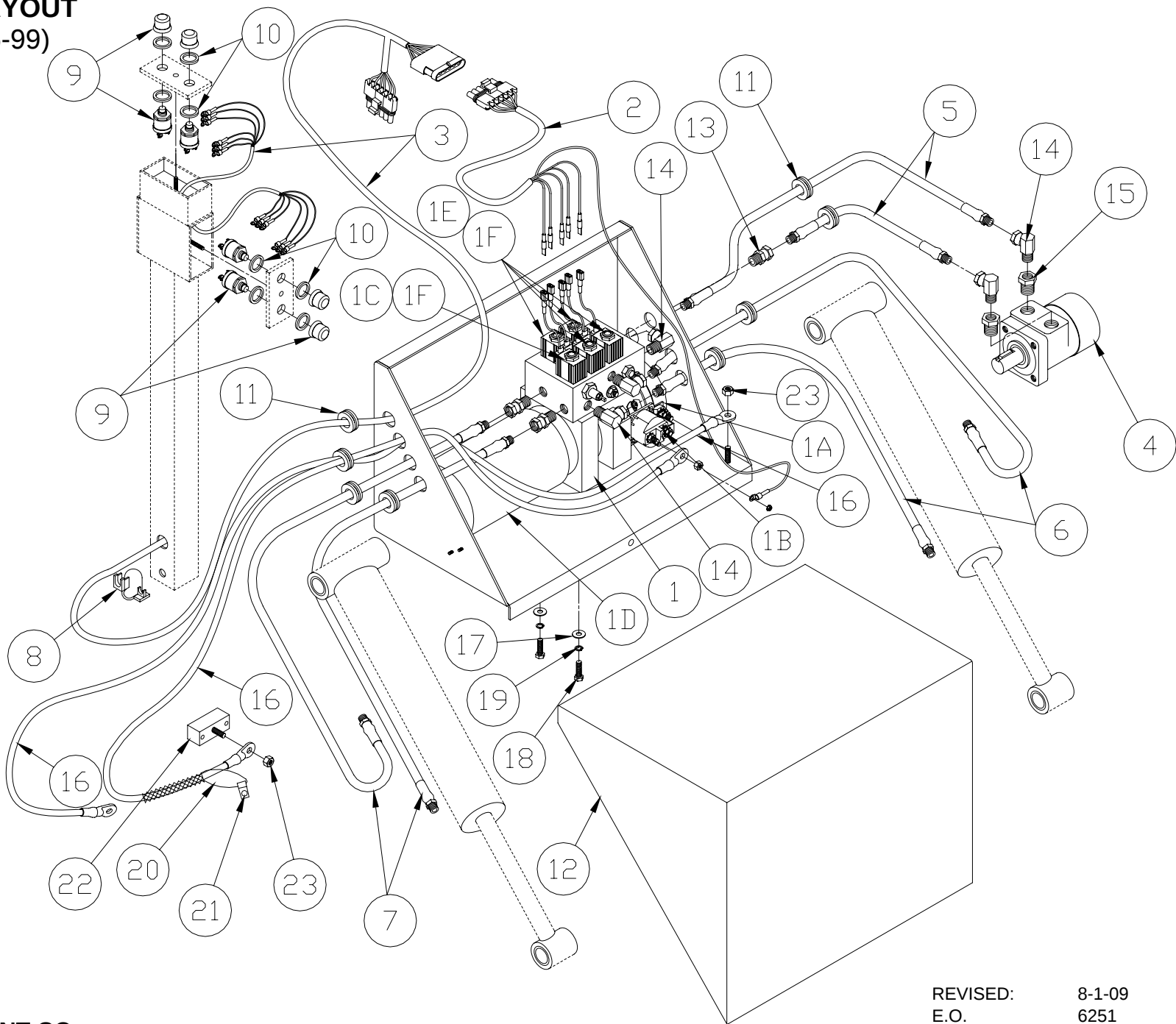


ITEM	PART NUMBER	QTY	DESCRIPTION
1	27380050	2	Hydraulic Cylinder
2	75083090	2	Hydraulic Hose Assembly (Right Cylinder)
3	75083089	2	Hydraulic Hose Assembly (Left Cylinder)
4	75082912	3	1/4" x 1/4" Swivel Adapter
5	75083031	5	1/4" NPT Male x 1/4" NPT Swivel Female Elbow
6	70400825	1	Pump Unit, 3000 PSI
7	75083088	2	Hydraulic Hose Assembly (Hydraulic Motor)
8	75082910	2	1/2" NPT Male x 1/4" NPT Female Bushing
9	27390100	1	Hydraulic Motor
10	75088053	2	3/8" Washer
11	75086055	2	3/8"-16 x 3/4" Hex Head Screw

IMPORTANT

Some of the parts shown are either unavailable (discontinued products by the manufacturer) or may have long lead times. Contact Waltco Factory to check availability, pricing and lead time prior to ordering any parts on this drawing.

ELECTRICAL LAYOUT
(Built 12-97 thru 6-99)



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WSL Series

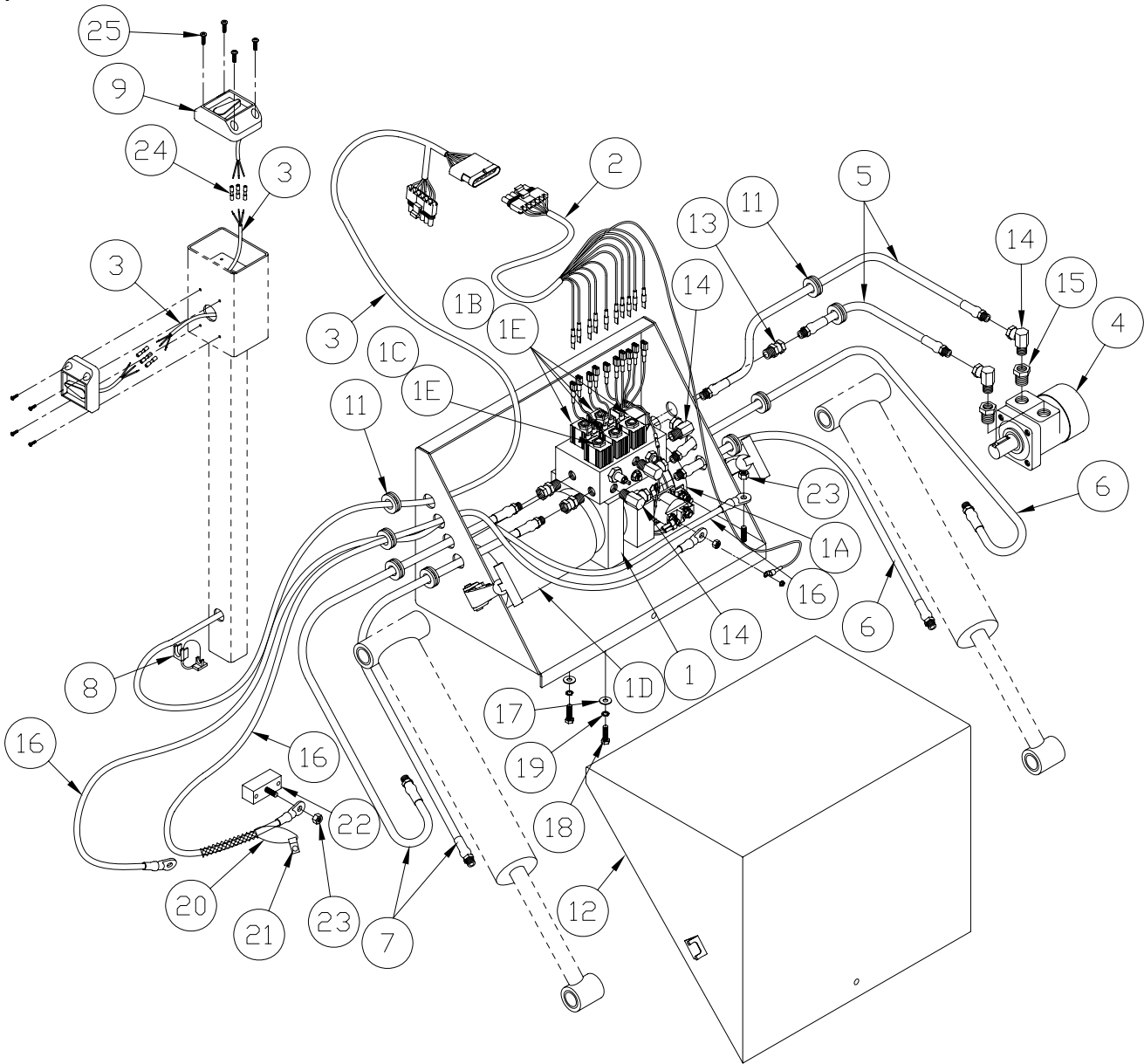
REVISED: 8-1-09
E.O. 6251
REV. 03

PM-453

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400825	1	Pump Unit, 2500 psi
1A	70400854	1	Motor w/ Reset Switch
1B	75089833	1	Solenoid
1C	70092503	1	Valve Assembly, 2-way, 2 pos w/ Coil
1D	70400826	1	Reservoir
1E	70092501	4	Valve Assembly, 2-way, 2 pos w/ Coil
1F	70402303	5	Coil, 10V, 25A
2	27391500	1	Harness, Motor/Valve Control Wiring
3	27391600	1	Harness, Control Wiring
4	27390100	1	Hydraulic Motor
5	75083088	2	Hydraulic Hose Assembly
6	75083089	2	Hydraulic Hose Assembly
7	75083090	2	Hydraulic Hose Assembly, 42" & 48" Wide
	75083100	2	Hydraulic Hose Assembly, 60" & 72" Wide
8	75080058	1	Strain Relief
9	75089806	4	Push Button Switch, 2 Circuit w/ Rubber Cap
10	75000520	8	Backup Seal Ring
11	27391401	8	Grommet
12	27391001	1	Pump Enclosure Lid
13	75082912	3	1/4" NPT x 1/4" NPT Swivel Adapter
14	75083031	5	1/4" NPT Male x 1/4" NPT Female Elbow
15	75082910	2	1/2" NPT Male x 1/4" NPT Female Bushing
16	10195610	2	Cable Assembly, 10"
17	75088053	2	3/8" Washer
18	75086055	2	3/8"-16 x 3/4" Hex Bolt
19	75088081	2	3/8" Lock Washer
20	27390201	1	Cord Restraint
21	75083046	1	Hose Clamp
22	27395001	1	3/8" Stud Terminal
23	75085005	2	3/8"-16 Hex Nut

HYDRAULIC AND ELECTRICAL LAYOUT

(Built 6-99 thru 4-03)



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TRUCK EQUIPMENT CO.
WSL SERIES

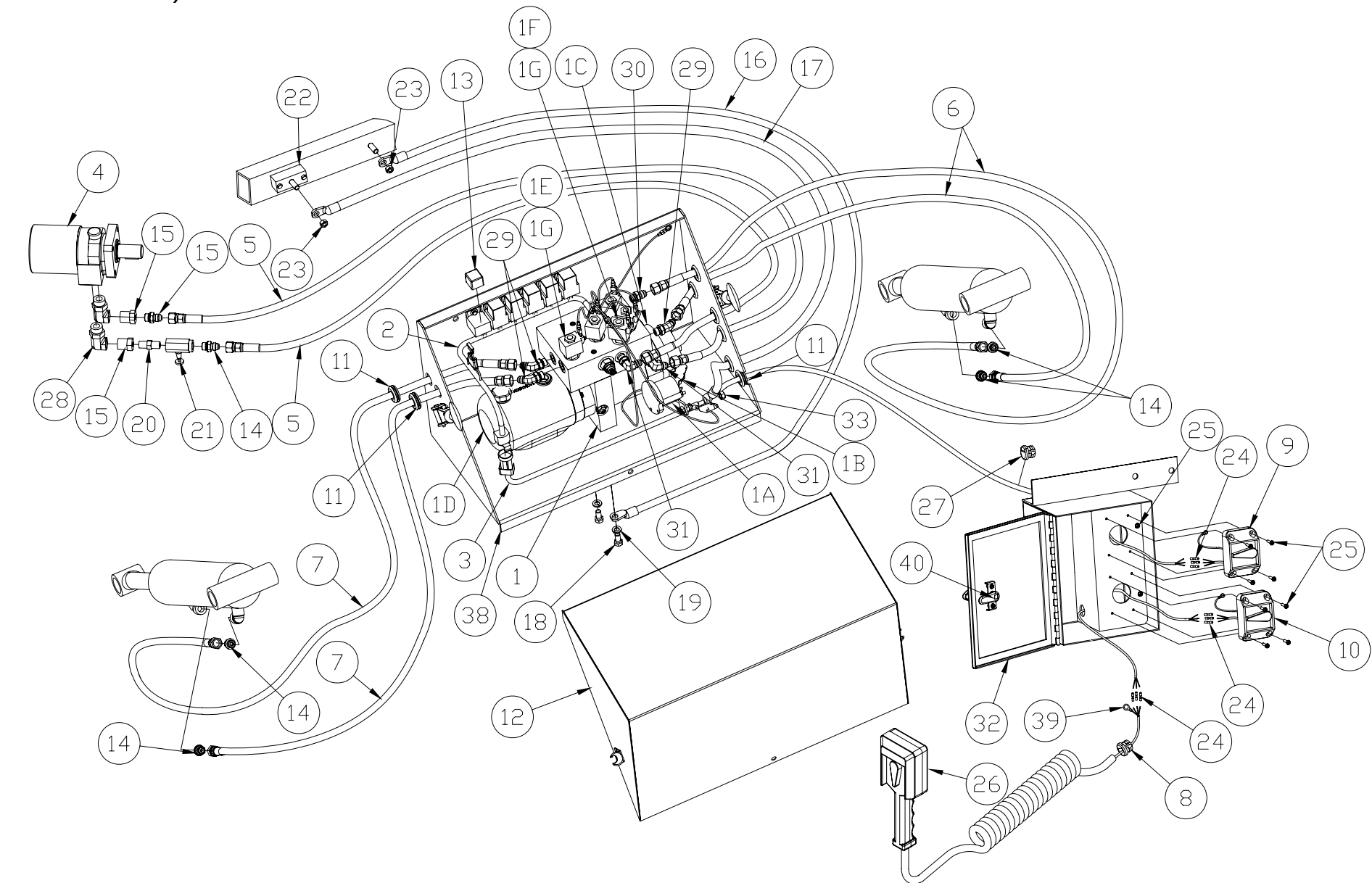
REVISED: 8-1-09
E.O. 6251
REV. 04

PM-503

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401050	1	Pump Unit 2900 PSI
1A	70400854	1	Motor/Solenoid Assembly
1B	70092501	4	Valve Assembly, 3-Way, 2-Pos w/ Coil
1C	70092503	1	Valve Assembly, 2-Way, 2-Pos w/ Coil
1D	70400826	1	Reservoir
1E	70402303	5	Coil, 10V, 25A
2	27391501	1	Harness Motor/Valve Control Wiring
3	27391601	1	Harness Control Wiring
4	27390100	1	Hydraulic Motor
5	75083088	2	Hydraulic Hose Assembly
6	75083089	2	Hydraulic Hose Assembly
7	75083090	2	Hydraulic Hose Assembly 42" & 48" Wide
	75083100		Hydraulic Hose Assembly 60" & 72" Wide
8	75080058	1	Strain Relief
9	80001089	1	Raise/Lower SuperSwitch™
10	80001090	1	Open/Close SuperSwitch™
11	27391401	8	Rubber Grommet
12	27391001	1	Pump Enclosure Lid
13	75082912	3	1/4" NPT x 1/4" NPT Swivel Adapter
14	75083031	5	1/4" NPT x 1/4" NPT Swivel Elbow
15	75082910	2	1/2" NPT Male x 1/4" NPT Female Bushing
16	10195610	2	Cable Assembly 10
17	75088053	2	3/8" Flat Washer
18	75086055	2	3/8"-16 x 3/4" Long Hex Bolt
19	75088081	2	3/8" Lock Washer
20	27390201	1	Cord Restraint
21	75083046	1	Hose Clamp
22	27395001	1	3/8" Stud Terminal
23	75085005	2	3/8"-16 Hex Nut
24	75082033	6	16 Ga. Butt Connectors
25	75086860	8	#8-32 x 3/4" Lg. Self Tapping Screw

HYDRAULIC AND ELECTRICAL LAYOUT

(Built from 4-03)



WALTCO
TRUCK EQUIPMENT CO.
WSL SERIES

REVISED: 8-1-09
E.O. 6251
REV. 08

PM-503A

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401800	1	Pump Unit 2900 PSI
1A	75089833*	1	Starter Solenoid
1B	75089834*	1	Bus Bar
1C	7043002-1*	1	Motor
1D	70400826	1	Reservoir
1E	70092501	4	Valve Assembly, 3-Way, 2-Pos w/ Coil
1F	70092503	1	Valve Assembly, 2-Way, 2-Pos w/ Coil
1G	70402303	5	Coil, 10V, 25A
2	27391502	1	Harness Motor/Valve Control Wiring
3	37475506	1	Harness Control Wiring
4	27390101	1	Hydraulic Motor
5	75083207	2	Hydraulic Hose Assembly
6	75083205	2	Hydraulic Hose Assembly
7	75083208	2	Hydraulic Hose Assembly 42" & 48" Wide
	75083206		Hydraulic Hose Assembly 60" & 72" Wide
8	75080058**	1	Strain Relief
9	80000425**	1	Raise/Lower SuperSwitch™
10	80000844**	1	Open/Close SuperSwitch™
11	27391401	8	Rubber Grommet
12	27391002	1	Pump Enclosure Lid
13	85803921	6	12-Volt Relay
14	75083309	6	1/4" NPT x 9/16-19 JIC Male Connector
15	75082910	2	1/2" NPT Male x 1/4" NPT Female Bushing
16	10195610	1	Cable Assembly 10-Ft (Ground)
17	10195810	1	Cable Assembly 10-Ft (Positive)
18	75086055	2	3/8"-16 x 3/4" Long Hex Bolt
19	75088081	2	3/8" Lock Washer
20	75082614	1	1/4" Hex Nipple
21	70189881	1	1/4" Needle Valve
22	27395001	1	3/8" Stud Terminal
23	75085005	2	3/8"-16 Hex Nut
24	75082033**	9	16 Ga. Butt Connectors
25	75086860**	8	#8-32 x 3/4" Lg. Self Tapping Screw
26	10099325**	1	Hand-held SuperSwitch™
27	75080053**	1	Strain Relief
28	75083317	2	Elbow 90, 7/8-14 SAE Male x 1/2" FPT
29	75082866	3	Elbow 45, 9/16-18 JIC Male x 9/16-18 SAE Male

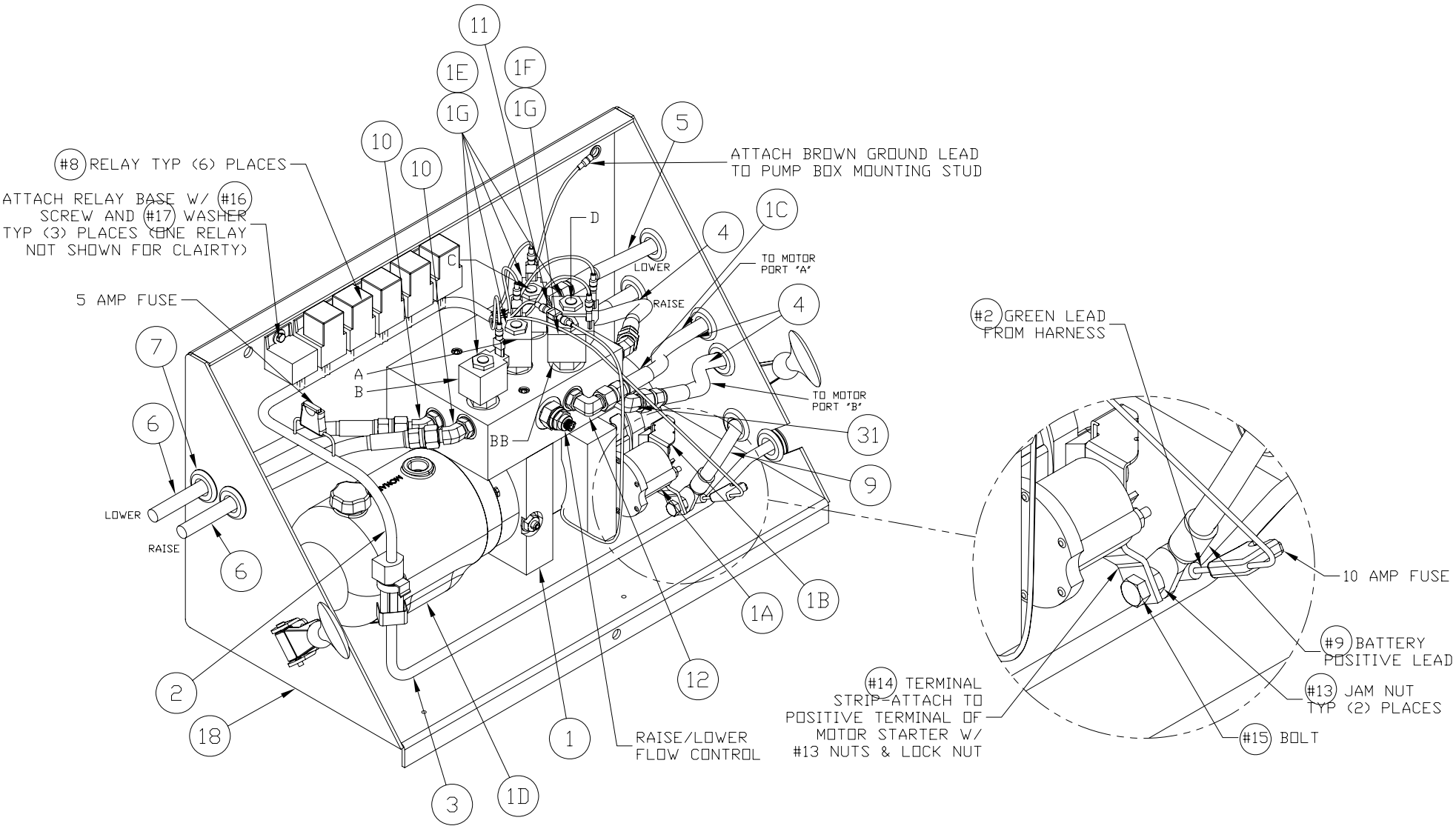
ITEM	PART NUMBER	QTY	DESCRIPTION
30	75082882	1	Straight Connector, 9/16-18 JIC Male x 9/16-18 SAE Male
31	75082869	2	Elbow 90, 9/16-18 JIC Male, x 9/16-18 SAE Male
32	27490100**	1	Control Box
33	75085093	4	Hex Jam Nut, 5/16-18
34	10099500	1	Terminal Strip
35	75082617	2	Hex Bolt, 5/16-18 x 1-1/4"
36	75086850	3	Self-Tap Screw, #10-24 x 1/2"
37	75088050	3	Washer, 3/16"
38	27321002	1	Pump Enclosure Base
39	75082030	1	Ring Terminal, 16 Ga. x 5/16" Hole

* Included in Motor/Solenoid Assembly 70400858
** Included in WSL Control Box Kit 80001091

40	80001105	1	Latch Kit
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PUMP BOX DETAILS

(Built from 4-03)



WALTco

TRUCK EQUIPMENT CO.

WSL SERIES

REVISED:

E.O.

REV.

8-1-09

6251

05

PM-584

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401800	1	Pump Unit 2900 PSI
1A	75089833*	1	Starter Solenoid
1B	75089834*	1	Bus Bar
1C	7043002-1*	1	Motor
1D	70400826	1	Reservoir
1E	70092501	4	Valve Assembly, 3-Way, 2-Pos w/ Coil
1F	70092503	1	Valve Assembly, 2-Way, 2-Pos w/ Coil
1G	70402303	5	Coil, 10V, 25A
2	27391501	1	Harness Motor/Valve Control Wiring
3	37475506	1	Harness Control Wiring
4	75083207	2	Hydraulic Hose Assembly
5	75083205	2	Hydraulic Hose Assembly
6	75083208	2	Hydraulic Hose Assembly 42" & 48" Wide
	75083206		Hydraulic Hose Assembly 60" & 72" Wide
7	27391401	8	Rubber Grommet
8	85803921	6	12-Volt Relay
9	10195810	1	Cable Assembly 10-Ft (Positive)
10	75082866	3	Elbow 45, 9/16-18 JIC Male x 9/16-18 SAE Male
11	75082882	1	Straight Connector, 9/16-18 JIC Male x 9/16-18 SAE Male
12	75082869	2	Elbow 90, 9/16-18 JIC Male, x 9/16-18 SAE Male
13	75085093	4	Hex Jam Nut, 5/16-18
14	10099500	1	Terminal Strip
15	75082617	1	Hex Bolt, 5/16-18 x 1-1/4"
16	75086850	3	Self-Tap Screw, #10-24 x 1/2"
17	75088050	3	Washer, 3/16"
18	27321002	1	Pump Enclosure Base

* Included in Motor/Solenoid Assembly 70400858



WSL Series

Schematics

WSL Series Electrical Schematics

[Power Down Electrical Schematic](#)
(Built from 5-94 thru 12-96)

[Power Down Electrical Schematic](#)
(Built from 12-96 thru 6-99)

[Power Down Electrical Schematic](#)
(Built from 6-99 thru 4-03)

[Power Down Electrical Schematic](#)
(Built from 4-03 thru 4-04)

[Power Down Electrical Schematic](#)
(Built from 4-04 thru 6-07)

[Power Down Electrical Schematic](#)
(Built from 6-07)

WSL Series Hydraulic Schematics

[Power Down Hydraulic Schematic](#)
(Built from 5-94 thru 12-96)

[Power Down Hydraulic Schematic](#)
(Built from 12-96 thru 6-99)

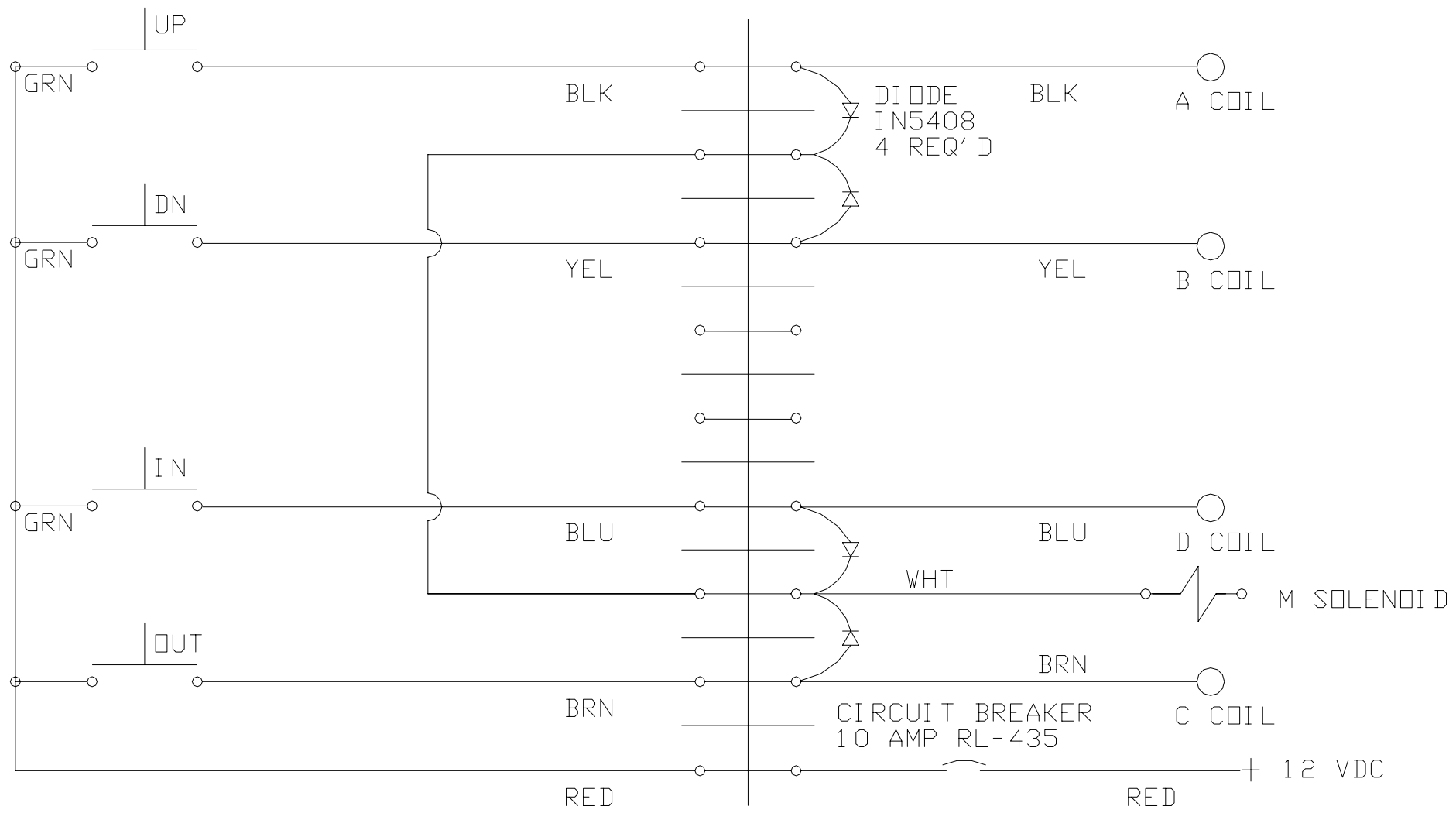
[Power Down Hydraulic Schematic](#)
(Built from 6-99 thru 4-03)

[Power Down Hydraulic Schematic](#)
(Built from 4-03)

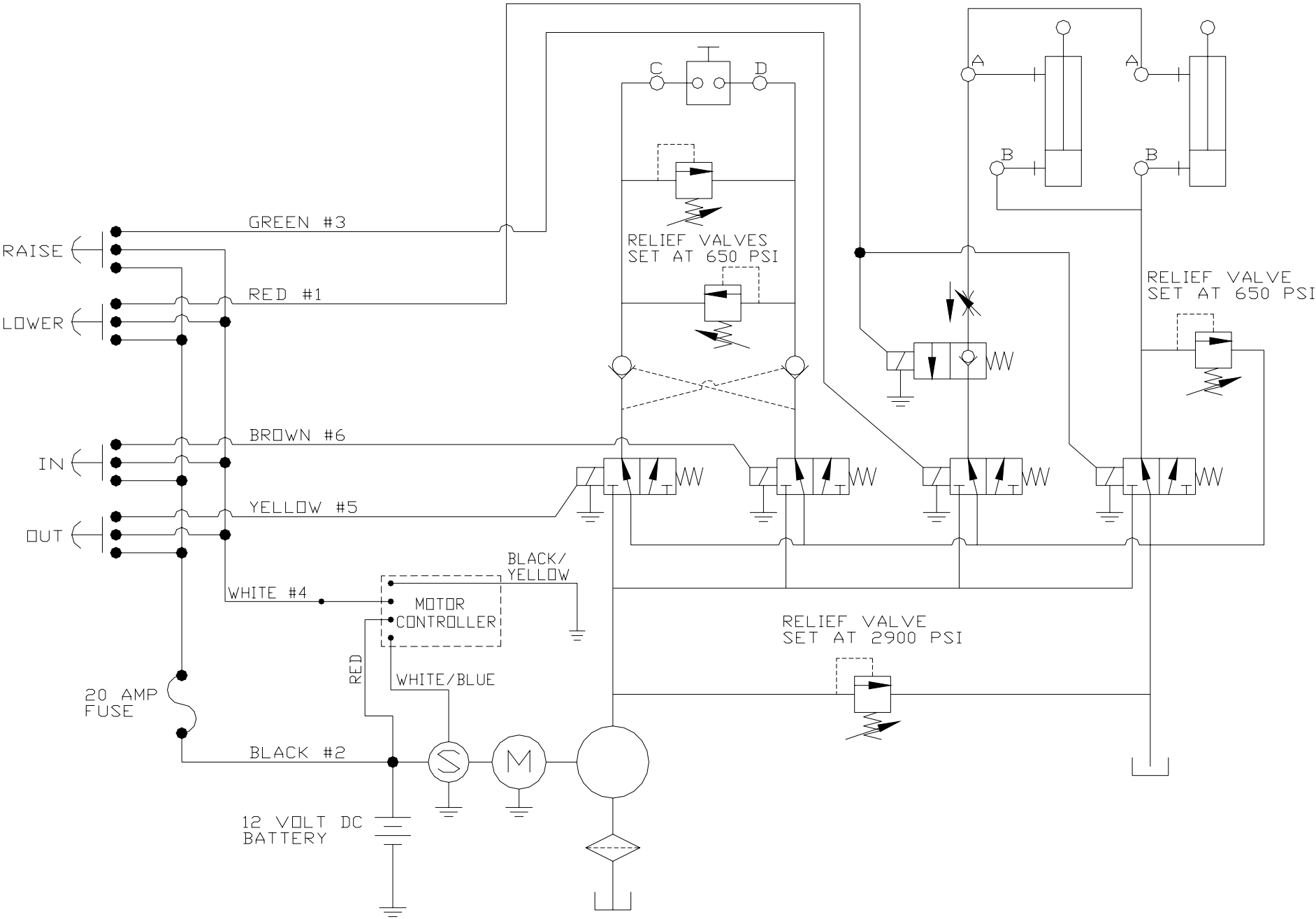
[Click here for a list of liftgate serial numbers, organized by approximate ship dates.](#)

WSL SERIES POWER DOWN ELECTRICAL SCHEMATIC - Built from 5-94 thru 12-96

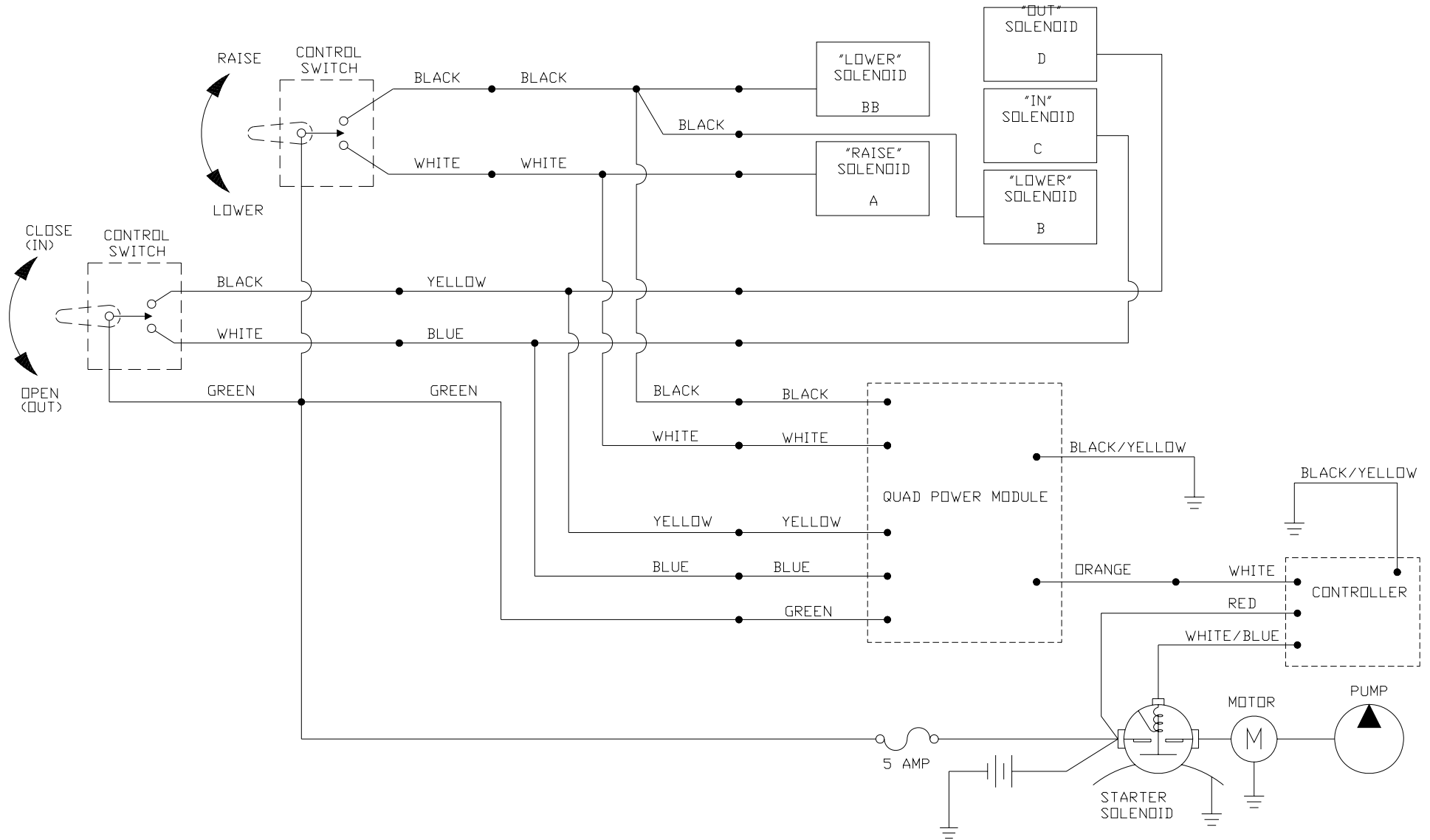
© 2009 Walco Lift Corp. All rights reserved



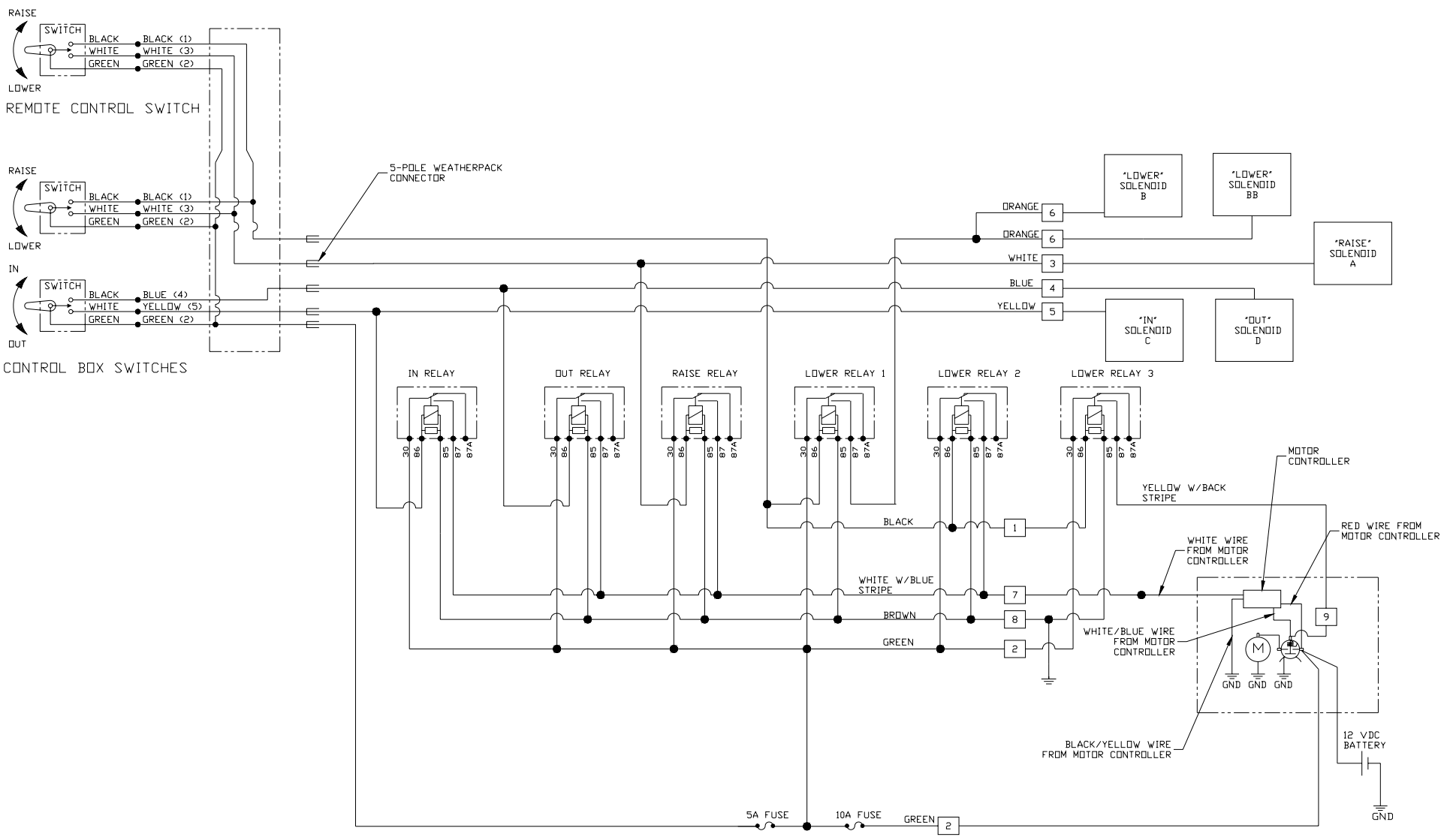
WSL SERIES POWER DOWN HYDRAULIC and ELECTRICAL SCHEMATIC - Built from 12-96 thru 6-99



WSL SERIES POWER DOWN ELECTRICAL SCHEMATIC - Built from 6-99 thru 4-03

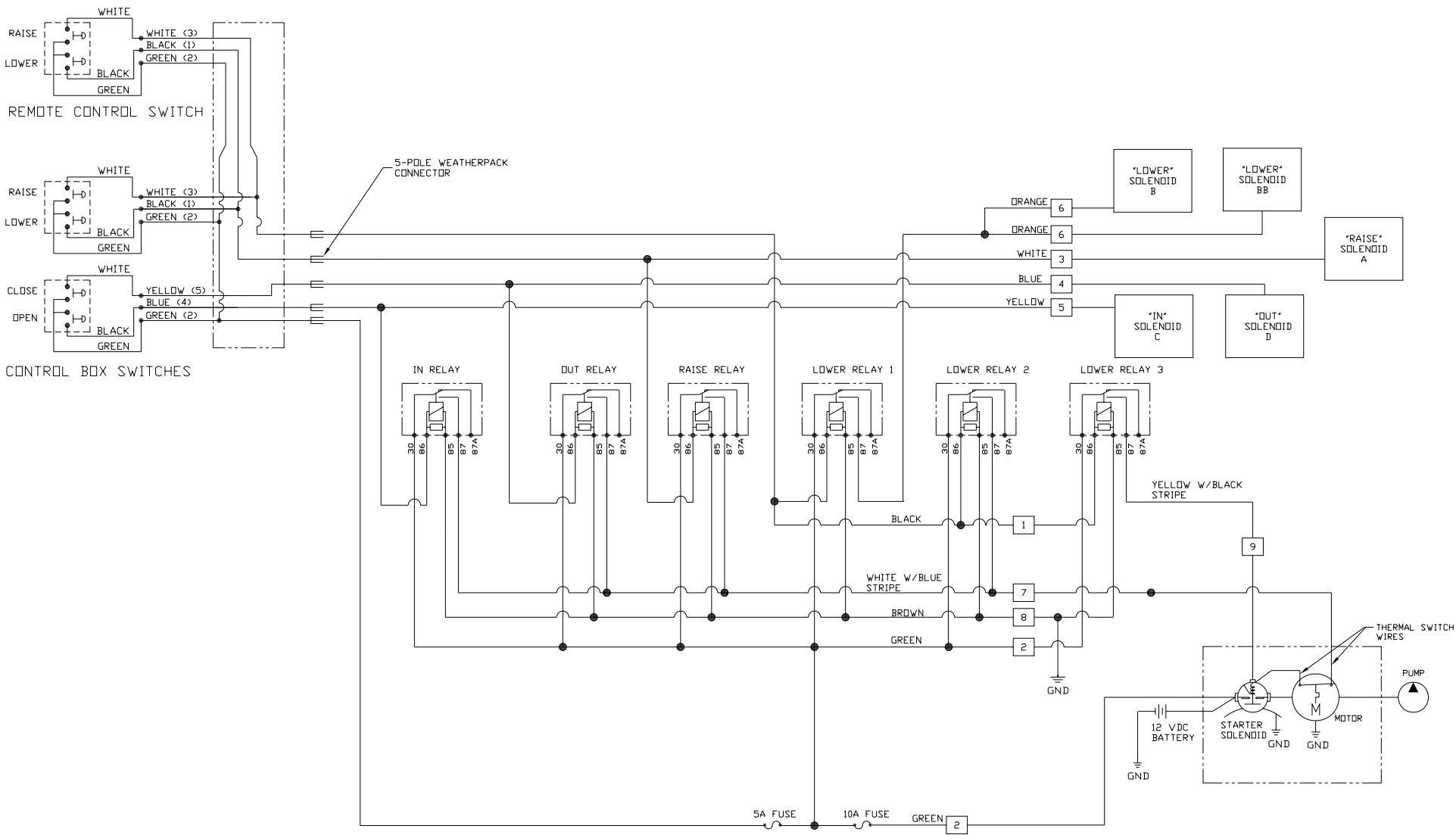


WSL SERIES POWER DOWN ELECTRICAL SCHEMATIC - Built from 4-03 thru 4-04

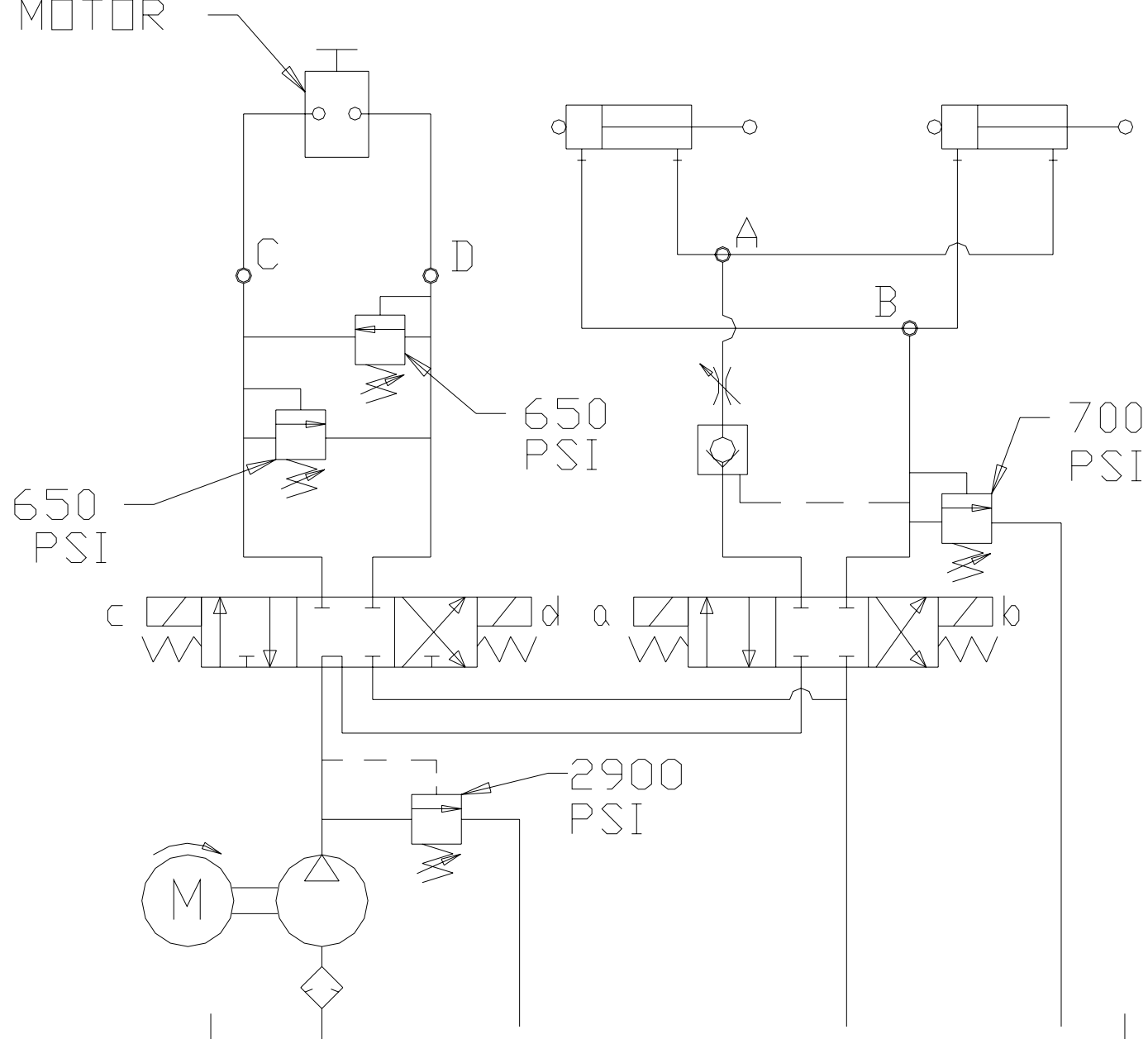


The diagram illustrates the electrical system for a boat's engine control. It features a **REMOTE CONTROL SWITCH** and **CONTROL BOX SWITCHES** (RAISE, LOWER, IN, OUT) that interface with a **5-POLE WEATHERPACK CONNECTOR**. This connector links to a series of relays: **IN RELAY**, **OUT RELAY**, **RAISE RELAY**, and three **LOWER RELAYS** (1, 2, 3). These relays control four solenoids: **'LOWER' SOLENOID B**, **'LOWER' SOLENOID BB**, **'IN' SOLENOID C**, and **'OUT' SOLENOID D**, as well as **'RAISE' SOLENOID A**. The system is powered by a **12 VDC BATTERY** through a **5A FUSE** and a **10A FUSE**. A **MOTOR CONTROLLER** is connected to the solenoids and the battery, with specific wiring for **WHITE W/BLUE STRIPE**, **BROWN**, **GREEN**, **WHITE**, **BLACK**, and **YELLOW W/BLACK STRIPE** wires. The motor controller also manages the engine **MOTOR** and a **STARTER** solenoid.

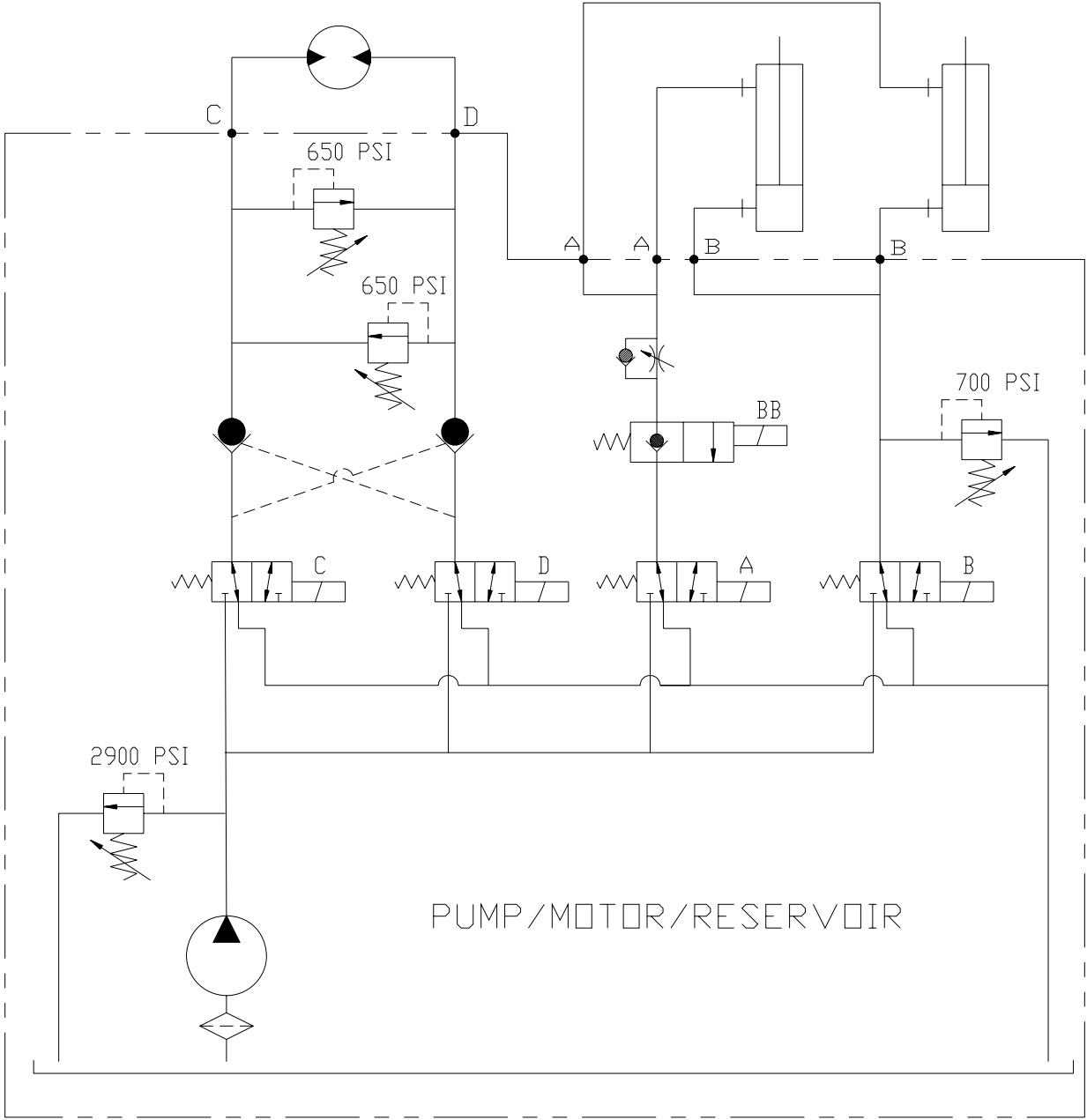
WSL SERIES POWER DOWN ELECTRICAL SCHEMATIC - Built from 6-07



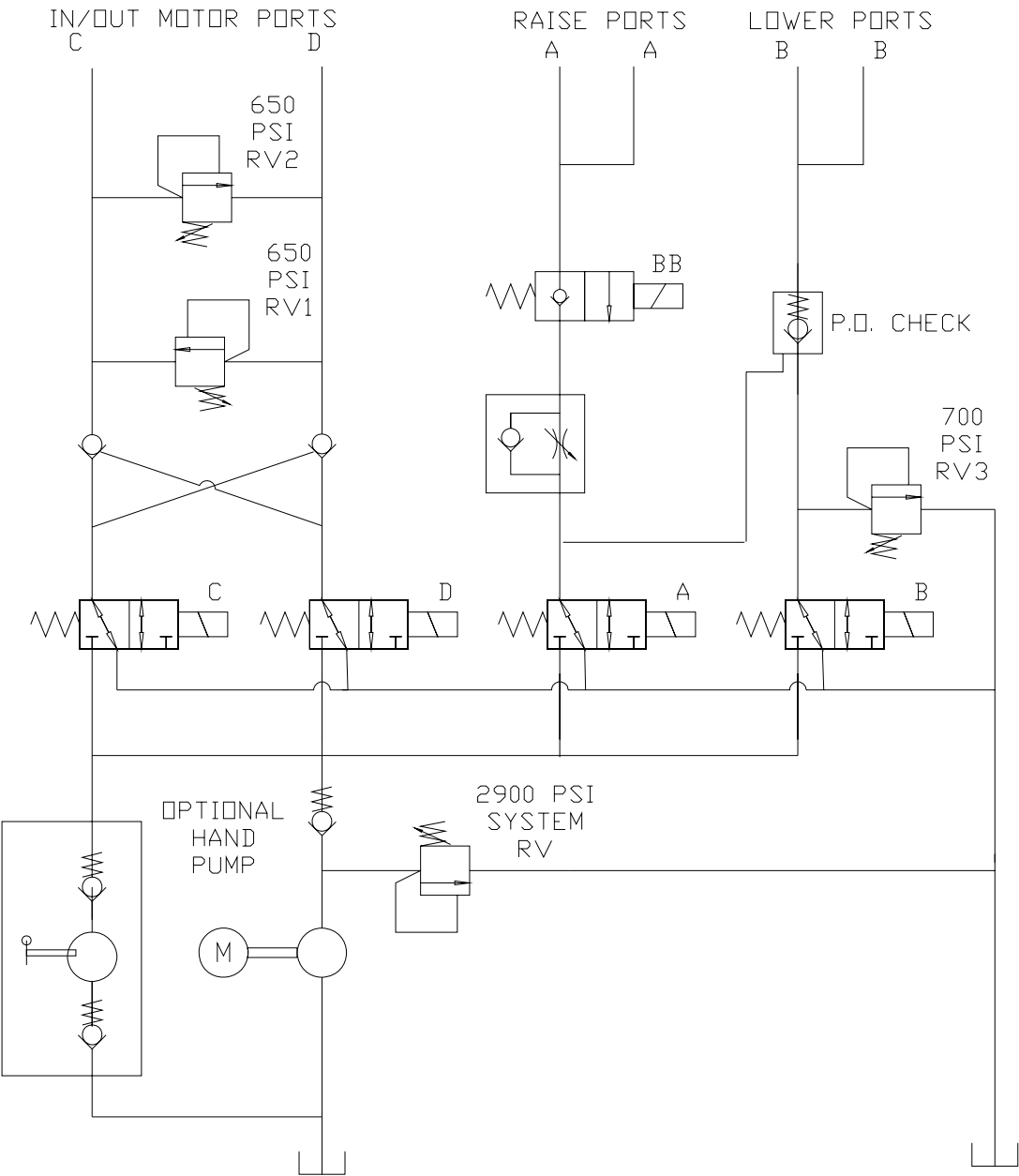
HYD. MOTOR



WSL SERIES POWER DOWN HYDRAULIC SCHEMATIC - Built from 6-99 thru 4-03



WSL SERIES POWER DOWN HYDRAULIC SCHEMATIC - Built from 4-03



WSL SERIES PUMPS & CYLINDER Parts Drawings

If unsure of the correct pump or cylinder part number, [click here](#).

QUICK TIP:

Most pumps have a pump pressure decal on them that also includes the pump part number. This number will always be an 8-digit part number. If still unsure, please contact Waltco for assistance.

CYLINDERS

Part Number	Description	PM No.
27380050	Lift Cylinder	PM-677
27380010	Lift Cylinder	PM-348
27480010	Lift Cylinder	PM-349

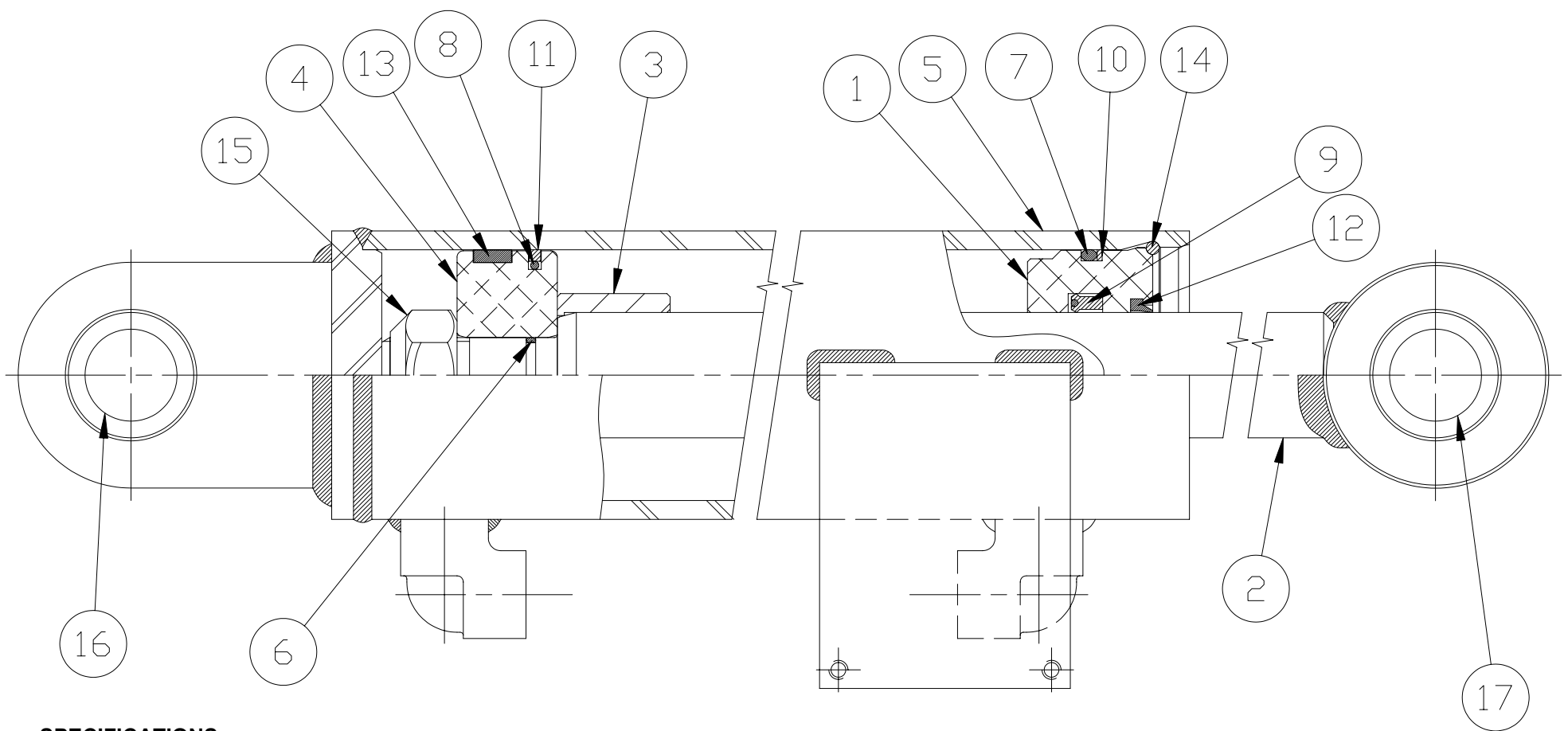
HYDRAULIC PUMPS

Part Number	Description	Pump Mfr.	PM No.
70400825	Hydraulic Pump Assembly	Monarch	PM-699
70401050	Hydraulic Pump Assembly	Monarch	PM-699
70401800	Hydraulic Pump Assembly	Monarch	PM-700
70401850	Hydraulic Pump Assembly with Hand Pump	Monarch	PM-701

We're Sorry,

**This Parts Drawing is not
available, at this time**

LIFT CYLINDER – 27380000 or 27380050



SPECIFICATIONS:
Retracted 20.38"
Extended 30.63"
Barrel O.D. 2.88"

WALTCO
TRUCK EQUIPMENT CO.
LIFT CYLINDER – 27380000 or
27380050

REVISED: 4-1-05
E.O. 5221G
REV. 01

PM-677

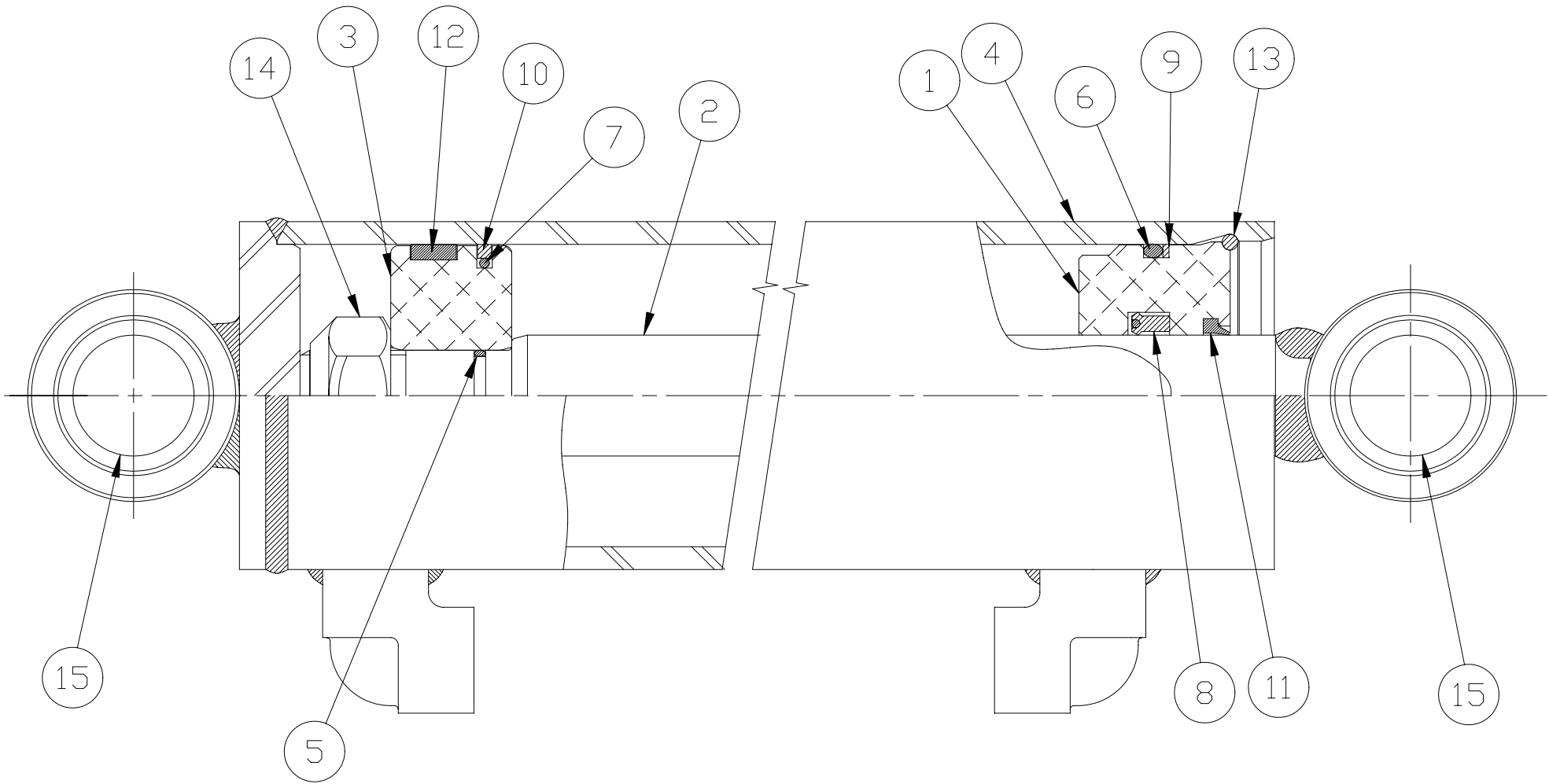
ITEM	PART NUMBER	QTY	DESCRIPTION
1	32480210	1	Gland
2	27381150	1	Rod Assembly
3	27381250	1	Stop Tube
4	32481510	1	Piston
5	27382050	1	Barrel Assembly
6	-----*	1	“O” Ring
7	-----*	1	“O” Ring
8	-----*	1	“O” Ring
9	-----*	1	Rod Seal
10	-----*	1	Backup Ring
11	-----*	1	Piston Seal
12	-----*	1	Rod Wiper
13	-----*	1	Wear Ring
14	35282950	1	Retaining Ring
15	13581650	1	Locknut
16	27382001	1	Bearing
17	27381001	1	Bearing

* Indicates parts included in repair kit No. 32480095.

NOTE: Refer to cylinder serial number located on the cylinder barrel when ordering parts.

Example: 21420-XXXXXX

LIFT CYLINDER - 27380010



SPECIFICATIONS:

Retracted 20.00”
Extended 34.13”
Barrel O.D. 2.88”

WALTCO
TRUCK EQUIPMENT CO.
LIFT CYLINDER - 27380010

REVISED: 4-1-05
E.O. 5221G
REV. 02

PM-348

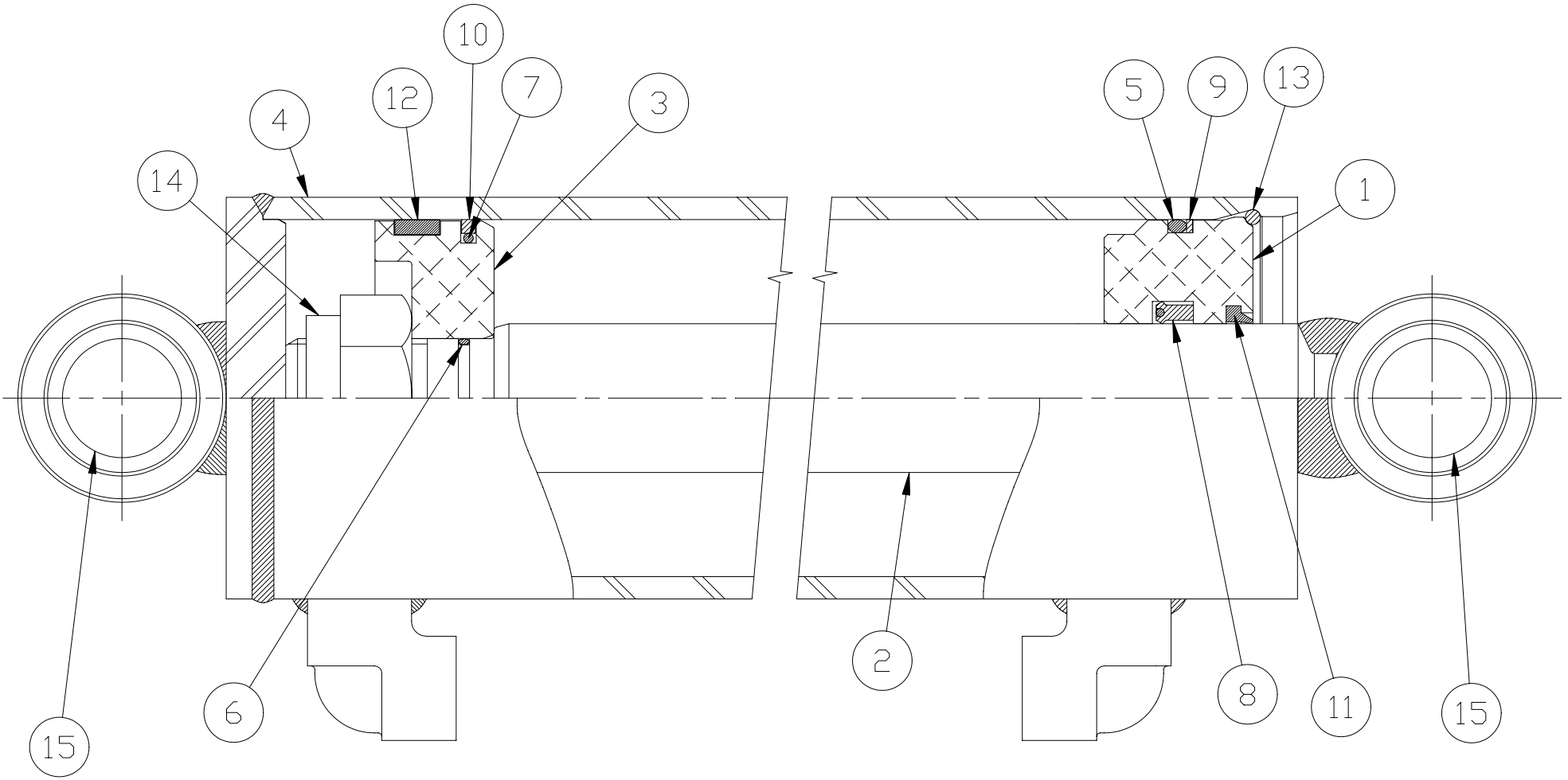
ITEM	PART NUMBER	QTY	DESCRIPTION
1	32480210	1	Gland
2	27381110	1	Rod Assembly
3	32481510	1	Piston
4	27382010	1	Barrel Assembly
5	-----*	1	“O” Ring
6	-----*	1	“O” Ring
7	-----*	1	“O” Ring
8	-----*	1	Rod Seal
9	-----*	1	Backup Ring
10	-----*	1	Piston Seal
11	-----*	1	Rod Wiper
12	-----*	1	Wear Ring
13	35282950	1	Retaining Ring
14	13581650	1	Locknut
15	27381710	4	Bearing

* Indicates parts included in repair kit No. 27380095.

NOTE: Refer to cylinder serial number located on the cylinder barrel when ordering parts.

Example: 11403-XXXXX

LIFT CYLINDER - 27480010



SPECIFICATIONS:
Retracted 20.00”
Extended 34.13”
Barrel O.D. 3.38”

WALTCO
TRUCK EQUIPMENT CO.
LIFT CYLINDER - 27480010

REVISED: 4-21-00
E.O. 3443
REV. 01

PM-349

ITEM	PART NUMBER	QTY	DESCRIPTION
1	27480210	1	Nose Bearing
2	27481110	1	Rod Assembly
3	35481550	1	Piston
4	27482010	1	Barrel Assembly
5	-----*	1	“O” Ring
6	-----*	1	“O” Ring
7	-----*	1	“O” Ring
8	-----*	1	Rod Seal
9	-----*	1	Backup Ring
10	-----*	1	Piston Seal
11	-----*	1	Rod Wiper
12	-----*	1	Wear Ring
13	10182950	1	Retaining Ring
14	35481650	1	Locknut
15	27381710	4	Bearing

* Indicates parts included in repair kit No. 27480095.

NOTE: Refer to cylinder serial number located on the cylinder barrel when ordering parts.

Example: 11404-XXXXX

Tallmadge

Revised 12-14-10

Ser No	Date	Ser No	Date	Ser No	Date	Ser No	Date	Ser No	Date
220000	11/88	322000	03/95	424000	03/00	526000	06/05	618000	11/10
221000	12/88	323000	04/95	425000	04/00	527000	07/05	619000	12/10
222000	01/89	324000	06/95	426000	05/00	528000	07/05		
223000	03/89	325000	07/95	427000	07/00	529000	09/05		
224000	04/89	326000	09/95	428000	08/00	540000	09/05		
225000	05/89	327000	09/95	429000	08/00	541000	10/05		
226000	06/89	328000	11/95	440000	09/00	542000	11/05		
227000	08/89	329000	01/96	441000	11/00	543000	11/05		
228000	10/89	340000	02/96	442000	12/00	544000	12/05		
229000	11/89	341000	03/96	443000	02/01	545000	02/06		
240000	01/90	342000	04/96	444000	04/01	546000	03/06		
241000	02/90	343000	05/96	445000	05/01	547000	03/06		
242000	07/90	344000	07/96	446000	09/01	548000	03/06		
243000	04/90	345000	08/96	447000	09/01	549000	04/06		
244000	05/90	346000	10/96	448000	11/01	560000	05/06		
245000	07/90	347000	12/96	449000	01/02	561000	06/06		
246000	09/90	348000	03/97	460000	04/00	562000	06/06		
247000	12/90	349000	03/97	461000	05/02	563000	06/06		
248000	12/90	360000	04/97	462000	06/02	564000	06/06		
249000	02/91	361000	05/97	463000	09/02	565000	07/06		
260000	04/91	362000	06/97	464000	10/02	566000	08/06		
261000	05/91	363000	07/97	465000	12/02	567000	09/06		
262000	08/91	364000	08/97	466000	01/03	568000	10/06		
263000	10/91	365000	10/97	467000	02/03	569000	11/06		
264000	12/91	366000	11/97	468000	05/03	580000	01/07		
265000	02/92	367000	12/97	469000	05/03	581000	01/07		
266000	03/92	368000	01/98	480000	07/03	582000	02/07		
267000	05/92	369000	06/98	481000	08/03	583000	03/07		
268000	06/92	380000	03/98	482000	10/03	584000	05/07		
269000	08/92	381000	06/98	483000	11/03	585000	06/07		
280000	09/92	382000	06/98	484000	01/04	586000	07/07		
281000	11/92	383000	08/98	485000	02/04	587000	10/07		
282000	12/92	384000	08/98	486000	02/04	588000	11/07		
283000	02/93	385000	11/98	487000	03/04	589000	01/08		
284000	03/93	386000	12/98	488000	03/04	600000	02/08		
285000	04/93	387000	12/98	489000	05/04	601000	05/08		
286000	06/93	388000	01/99	500000	05/04	602000	07/08		
287000	07/93	389000	04/99	501000	06/04	603000	09/08		
288000	08/93	400000	02/99	502000	06/04	604000	01/09		
289000	10/93	401000	03/99	503000	07/04	605000	04/09		
300000	11/93	402000	05/99	504000	09/04	606000	07/09		
301000	02/94	403000	05/99	505000	10/04	607000	08/09		
302000	02/94	404000	06/99	506000	12/04	608000	10/09		
303000	03/94	405000	08/99	507000	01/05	609000	11/09		
304000	04/94	406000	08/99	508000	02/05	610000	12/09		
305000	05/94	407000	10/99	509000	02/05	611000	01/10		
306000	08/94	408000	11/99	520000	03/05	612000	03/10		
307000	09/94	409000	11/99	521000	03/05	613000	05/10		
308000	10/94	420000	12/99	522000	03/05	614000	06/10		
309000	10/94	421000	12/99	523000	04/05	615000	08/10		
320000	12/94	422000	04/00	524000	04/05	616000	09/10		
321000	01/95	423000	03/00	524500	05/05	617000	10/10		

***All Serial Number
Dates are approximate**

Gardena

Ser No	Date
116000	01/83
117000	05/83
118000	09/83
119000	12/83
130000	03/84
131000	05/84
132000	07/84
133000	10/84
134000	12/84
135000	03/85
136000	04/85
137000	07/85
138000	10/85
139000	11/85
150000	03/86
151000	05/86
152000	09/86
153000	12/86
154000	03/87
155000	05/87
156000	07/87
157000	10/87
158000	11/87
159000	12/87
170000	02/88
171000	04/88
172000	06/88

Ser No	Date
173000	08/88
174000	10/88
175000	11/88
176000	01/89
177000	03/89
178000	04/89
179000	07/89
190000	09/89
191000	11/89
192000	01/90
193000	03/90
194000	05/90
195000	07/90
196000	10/90
197000	12/90
198000	03/91
199000	06/91
210000	09/91
211000	12/91
212000	04/92
213000	06/92
214000	09/92
215000	12/92
216000	02/93
217000	05/93
218000	08/93
219000	12/93

Ser No	Date
230000	02/94
231000	05/94
232000	08/94
233000	10/94
234000	12/94
235000	02/95
236000	05/95
237000	08/95
238000	11/95
239000	01/96
250000	03/96
251000	06/96
252000	09/96
253000	12/96
254000	03/97
255000	05/97
256000	08/97
257000	10/97
258000	01/98
259000	03/98
270000	05/98
271000	07/98
272000	10/98
273000	12/98
274000	02/99
275000	04/99
276000	06/99

Ser No	Date
277000	08/99
278000	10/99
279000	12/99
290000	02/00
291000	04/00
292000	06/00
293000	08/00
294000	11/00
295000	02/01
296000	05/01
297000	07/01
298000	09/01
299000	01/02
310000	04/02
311000	07/02
312000	10/02
313000	01/03
314000	04/03
315000	07/03
316000	11/03
317000	03/04
318000	04/04
330000	04/04
331000	07/04
332000	10/04
333000	12/04
334000	04/05

Ser No	Date
335000	05/05
336000	11/05
337000	11/05
338000	03/06
339000	04/06
350000	08/06
351000	01/07
352000	04/07
353000	09/07
354000	01/08
355000	08/08

***All Serial Number
Dates are approximate**

Shipped From Warehouses**Marietta (Georgia)**

Ser No	Date
M1000	12/87
M1100	12/88
M1500	04/89
M2000	03/90
M2500	12/90
M3000	09/91
M3500	07/92
M4000	04/93
M4500	02/94
M5000	06/94
M5500	11/94
M6000	04/95
M6500	09/95
M7000	04/96
M7500	10/96
M8000	04/97
M8500	09/97

Ser No	Date
M9000	02/98
M9500	06/98
M10000	09/98
M10500	01/99
M11000	04/99
M11500	08/99
M12000	01/00
M12500	09/00
M13000	10/00
M13500	02/01
M14000	07/01
M14500	01/02
M15000	06/02
M15500	01/03
M16000	07/03
M16500	11/03
M17000	04/04

Ser No	Date
M17500	07/04
M18000	10/04
M19000	01/05
M19500	04/05
M20000	01/06
M20500	03/06
M21000	08/06
M21500	01/07
M21600	03/07
M21700	04/07
M21800	05/07
M21900	07/07
M22000	08/07
M22100	11/07
M22200	12/07
M22300	01/08
M22600	06/08

Others

Ser No	Date
D1000	01/91
D2000	06/92
D3000	03/94
D4000	03/95
D5000	11/96
D6000	04/98
D7000	04/99
F1000	02/00
S1000	04/00
A1000	04/00
T8000	05/00
T9000	09/02
T9500	11/03
T9900	06/04

Burlington (Wisconsin)

Ser No	Date
W1000	11/94
W1100	02/95
W1200	04/95
W1300	06/95
W1400	08/95
W1500	10/95
W1600	12/95
W1700	03/96
W1800	05/96
W1900	08/96
W2000	09/96
W2100	12/96
W2200	02/97
W2300	04/97
W2400	06/97
W2500	08/97

Ser No	Date
W2600	10/97
W2700	12/97
W2800	01/98
W2900	06/98
W3000	07/98
W3100	09/98
W3200	12/98
W3300	03/99
W3400	05/99
W3500	07/99
W3600	09/99
W3700	10/99
W3800	12/99
W3900	03/00
W4000	04/00
W4100	05/00

Ser No	Date
W4200	07/00
W4300	09/00
W4400	11/00
W4500	01/01
W4600	03/01
W4700	05/01
W4800	07/01
W4900	10/01
W5000	12/01
W5100	12/01
W5200	02/02
W5300	03/02
W5400	06/02
W5500	07/02
W5600	09/02
W5700	01/03

Ser No	Date
W5800	01/03
W5900	02/03
W6000	04/03
W6100	06/03
W6200	08/03
W6300	10/03
W6400	01/04
W6500	03/04
W6600	06/04
W6700	09/04
W6800	12/04
W6900	02/05
W7000	05/05

***All Serial Number
Dates are approximate**

MISC.

Ser No	Date
CMC100	05/07
CMC200	07/07
CMC300	09/07
CMC400	10/07
CMC500	12/07
CMC600	01/08
CMC700	06/08

Ser No	Date
CMT100	05/07
CMT200	
CMT300	
CMT400	
CMT500	
CMT600	