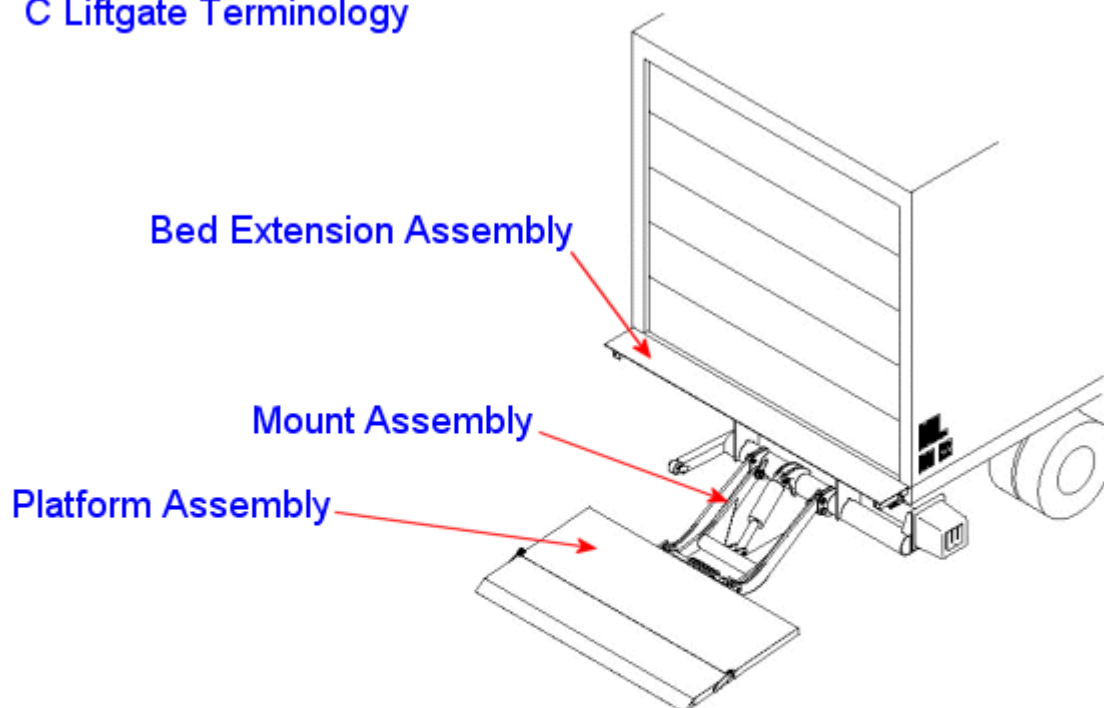


C-Series / C-RM Series

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.

C-Series / C-RM Series

[C Liftgate Terminology](#)



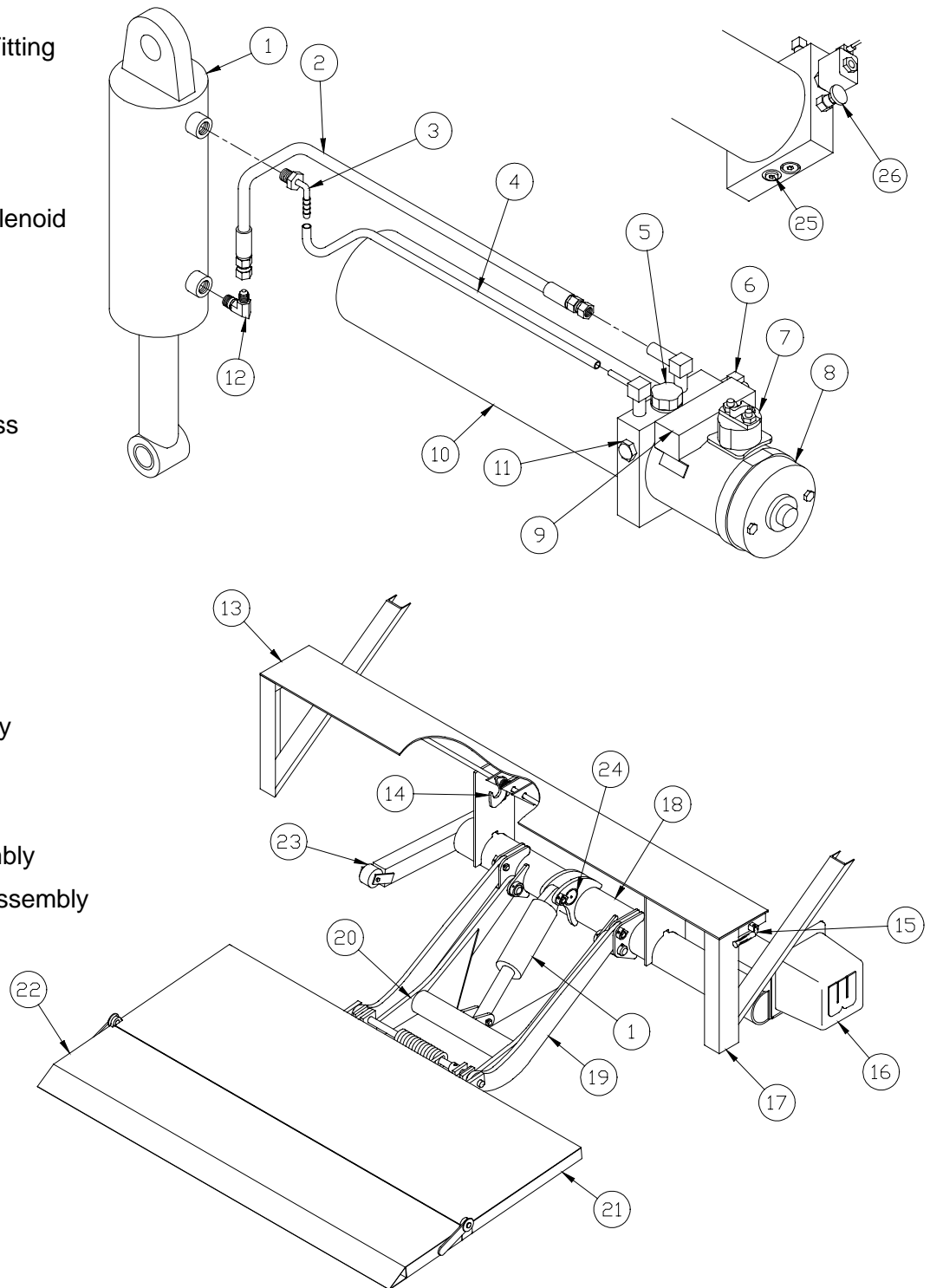
[Hydraulic Layouts, Electrical Layouts and Schematics, Pumps, and Cylinders](#)

[Prior to 2-94](#)
[From 2-94 thru 3-96](#)
[From 3-96 thru 2-00](#)
[From 2-00](#)

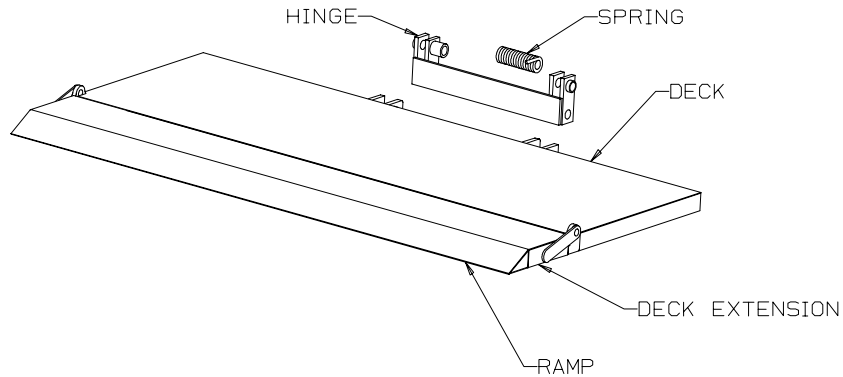
[Tech Tips](#)

1. LIFTGATE TERMINOLOGY

1. Hydraulic Cylinder
2. Hose Assembly
3. Return Line Barbed Fitting
4. Return Line
5. Breather
6. Dump Solenoid
7. Pump Unit Starter Solenoid
8. Pump Unit Motor
9. Thermalpak® with Voltage Guard™
10. Pump Unit Reservoir
11. Fluid Level Sight Glass
12. Hose fitting
13. Bed extension
14. Safety Hook
15. Transit Latch Handle
16. Pump Unit Cover
17. Dock Bumper
18. Mount Tube Assembly
19. Parallel Arm
20. Lift Arm Assembly
21. Platform Deck Assembly
22. Platform Extension Assembly
23. Parting Bar
24. Specification Tag
25. Drain Plug
26. Flow Control Valve



C-SERIES PLATFORM ASSEMBLY



Common Features

- Narrow arm design
- Capacity decal
- Platforms are 72" or 84" wide
- Platform depths as indicated below
- Single spring and hinge
- Reduced Maintenance Design (No grease required) (Released 8-97)
- Reduced Installation Design (No grease required. Pump attached to Mount Tube with reservoir inserted into end of Mount Tube) (Released 1-00)
- Reduced Installation Design (No grease required. Pump attached to Mount Tube with reservoir outside of Mount Tube) (Released 5-02)

Capacity decal	1600 or 2000 Pounds
----------------	---------------------

Platform Depths

Standard	
Standard Wedge	
Low Bed Standard	
Low Bed Wedge	

PM-21 Built thru 8-97

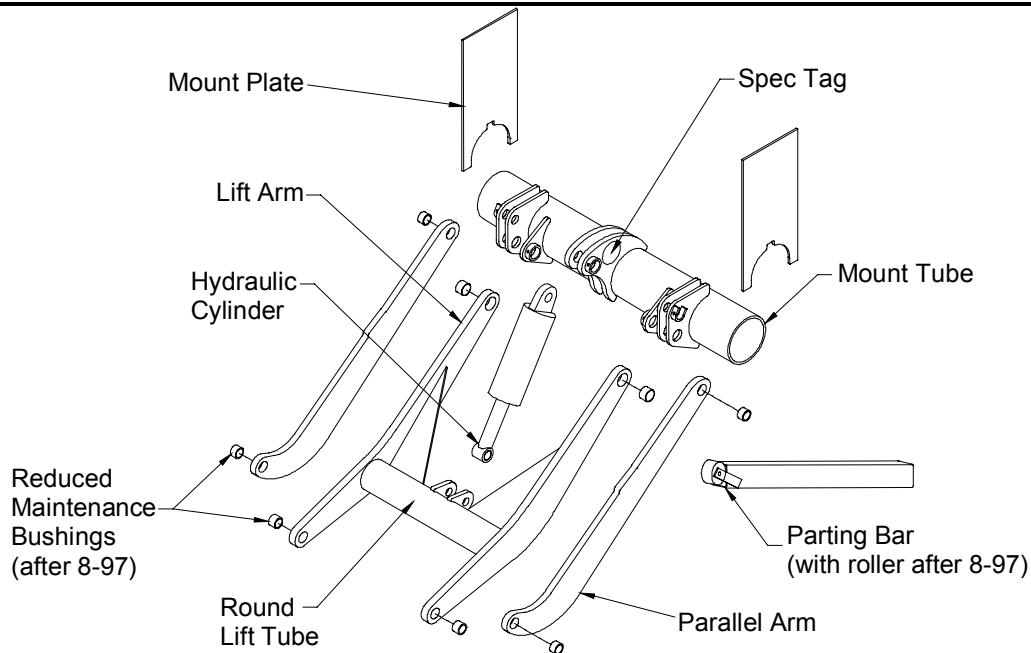
PM-411 Built from 8-97 thru 1-00

PM-517 Built from 1-00 thru 5-02

PM-517A Built from 5-02 thru 5-03

PM-517B Built from 5-03

C-SERIES MOUNT ASSEMBLY



Common Features

- Narrow arm design
- Single cylinder
- Spec tag on clevis
- Round mount tube
- Parting bar (with roller after 8-97)
- Round lift tube
- Reduced Maintenance Design (No grease required) (Released 8-97)
- Reduced Installation Design (No grease required. Pump attached to Mount Tube with reservoir inserted into end of Mount Tube) (Released 1-00)
- Reduced Installation Design (No grease required. Pump attached to Mount Tube with reservoir outside of Mount Tube) (Released 5-02)

PM-21 Built thru 8-97

PM-411 Built from 8-97 thru 1-00

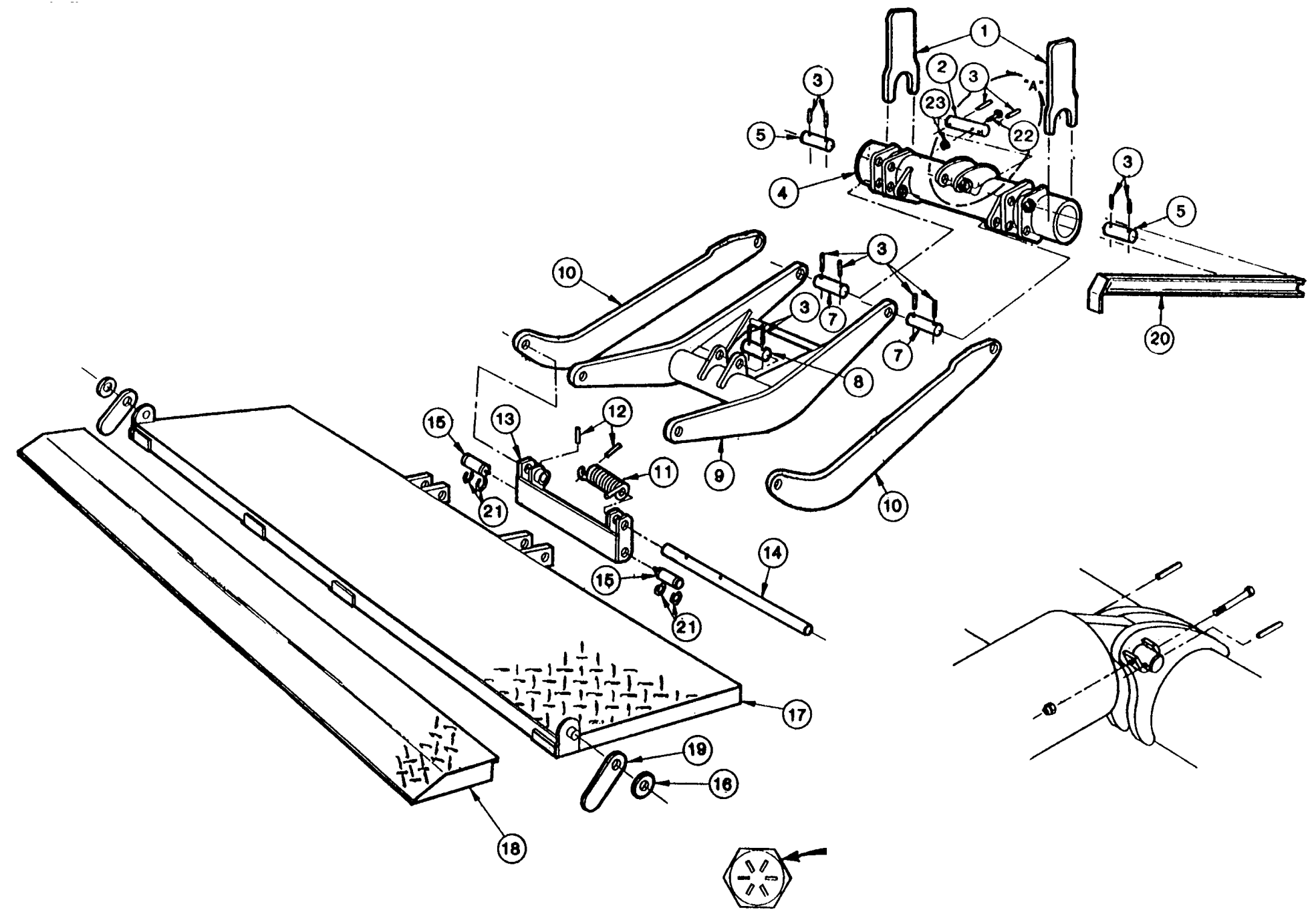
PM-517 Built from 1-00 thru 5-02

PM-517A Built from 5-02 thru 5-03

PM-517B Built from 5-03

Lift Arm	C-15	C-20
Thickness	3/4" thick (thru 5-02) 7/8" thick (after 5-02)	7/8" thick
Center - Center Standard	32" standard	32" standard
Center - Center Low Bed Option	29"	29"

C-15, 20 LIFTGATE ASSEMBLY



WALTCO
TRUCK EQUIPMENT CO.
C-SERIES

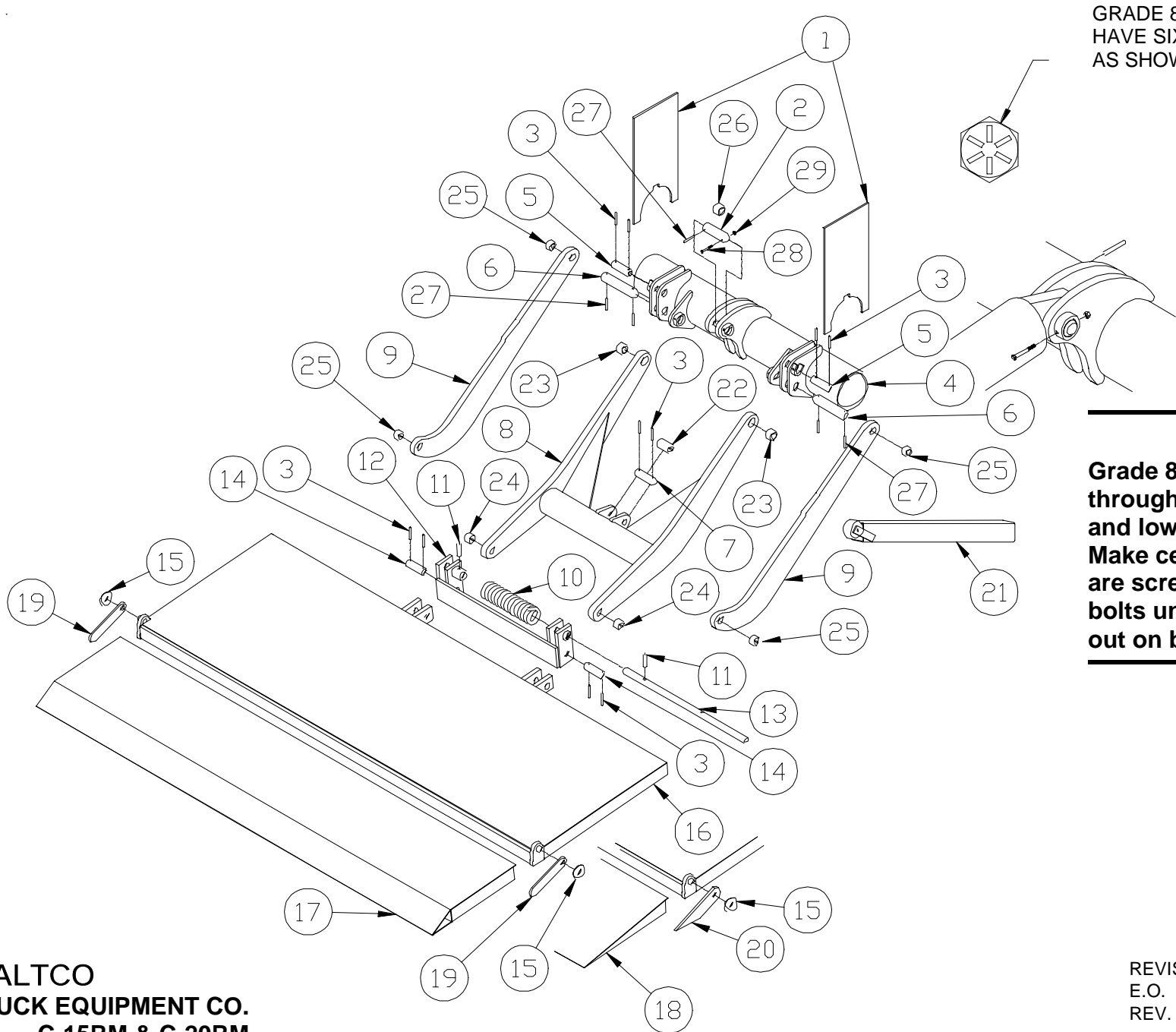
REVISED: 1-15-97
E.O. 3048
REV. 06

PM-21

ITEM	PART NUMBER	QTY	DESCRIPTION
1	25170100	2	Mount Plate
2	11170502*	1	Upper Cylinder Pin
3	75089541*	13	Coiled Pin
4	22120000	1	Mount Tube Assembly
5	20211200	2	Upper Parallel Arm Pin
7	20270700*	2	Main Pin
8	11171500*	1	Lower Cylinder Pin
9	22130000	1	Lift Arm Assembly (C-15)
	22230000	1	Lift Arm Assembly (C-20)
	22230010	1	Lift Arm Assembly (Low Bed Only)
10	22155100	2	Parallel Arm
	22255100	2	Parallel Arm (Low Bed Only)
11	22114300	1	Torsion Spring
12	75089542*	2	Coiled Pin
13	22151000	1	Hinge Assembly
14	22111100*	1	Hinge Pin
15	10411200*	2	Lower Lift Arm Pin
16	75088058	2	3/4" S.A.E. Flat Washer
17	22111072	1	Deck Assembly (72" Wide)
	22111084	1	Deck Assembly (84" Wide)
18	22113072	1	Deck Extension Assembly (72" Wide)
	22113084	1	Deck Extension Assembly (84" Wide)
19	30155200	2	Link
20	22192000	1	Parting Bar Assembly
	22292000	1	Parting Bar Assembly (Low Bed Only)
21	75001004*	4	Snap Ring
22	75086215*	1	1/4"-20 x 2-1/2" Bolt (Grade 8)
23	75085175*	1	1/4"-20 Self Locking Nut

PART NUMBER	DESCRIPTION
22110034	Platform Assembly Complete 32" x 72" + 4"
22110064	Platform Assembly Complete 32" x 84" + 4"
22210072	Platform Assembly Complete 32" x 72" + 4" Low Bed Only
22210084	Platform Assembly Complete 32" x 84" + 4" Low Bed Only

LIFTGATE ASSEMBLY



GRADE 8 BOLTS
HAVE SIX (6) MARKS
AS SHOWN.

IMPORTANT:
Grade 8 bolts to be installed
through retaining collars
and lower cylinder pins.
Make certain that lock nuts
are screwed fully on to
bolts until threads bottom
out on bolt shanks.

WALTCO
TRUCK EQUIPMENT CO.
C-15RM & C-20RM

REVISED: 9-28-01
E.O. 4585
REV. 10

PM-411

ITEM	PART NUMBER	QTY	DESCRIPTION
1	25170100	2	Mount Plate
2	22170400 ^{B C}	1	Upper Cylinder Pin
3	75089541 ^{B C}	10	Coiled Pin 1/4" x 1-7/8"
4	22120010	1	Mount Tube Assembly
	22120070		Mount Tube Assembly (Low Bed Only)
5	20370500 ^B	2	Upper Parallel Arm Pin
6	22170500 ^B	2	Upper Lift Arm Pin
7	20271501 ^{B C}	1	Lower Cylinder Pin
8	22130010	1	Lift Arm Assembly (C-15RM Only)
	22230020		Lift Arm Assembly (C-20RM Only)
	22230070		Lift Arm Assembly (Low Bed Only)
9	22155200	2	Parallel Arm
	22255200		Parallel Arm (Low Bed Only)
10	22114300	1	Torsion Spring
11	75089542 ^B	2	Coiled Pin 1/2" x 2"
12	22152000	1	Hinge Assembly
	22153000		Hinge Assembly (Low Bed and Wedge Only)
13	22170100 ^B	1	Lower Parallel Arm Pin
14	26212200 ^B	2	Lower Lift Arm Pin
15	75088058	2	3/4" S.A.E. Flat Washer
16	22111001	1	Deck Assembly (72" Wide)
	22111002		Deck Assembly (84" Wide)
	22111007		Deck Assembly (72" Wide)(Low Bed Only)
	22111008		Deck Assembly (84" Wide)(Low Bed Only)
17	22113072	1	Deck Extension (32" x 72" + 4")
	22113084		Deck Extension (32" x 84" + 4")
	22113077		Deck Extension (32" x 72" + 4")("LB" Only)
	22113088		Deck Extension (32" x 84" + 4")("LB" Only)
18	22113032		Deck Extension (36" x 72" Wedge)
	22113044		Deck Extension (36" x 84" Wedge)
	22113057		Deck Extension (36" x 72" Wedge) ("LB"Only)
	22113068		Deck Extension (36" x 84" Wedge) ("LB"Only)
19	30155200	2	Hinge Bar (4" Ramp Extensions Only)
20	22113700	2	Hinge Bar (Wedge Extensions Only)
21	26292000	1	Parting Bar Assembly
22	10010133 ^A	1	Bearing, 7/8" I.D. x 1-3/4"
23	10010162 ^A	2	Bearing, 1-1/4" I.D. x 3/4" (C-15RM Only)
	10010163 ^A		Bearing, 1-1/4" I.D. x 7/8" (C-20RM Only)

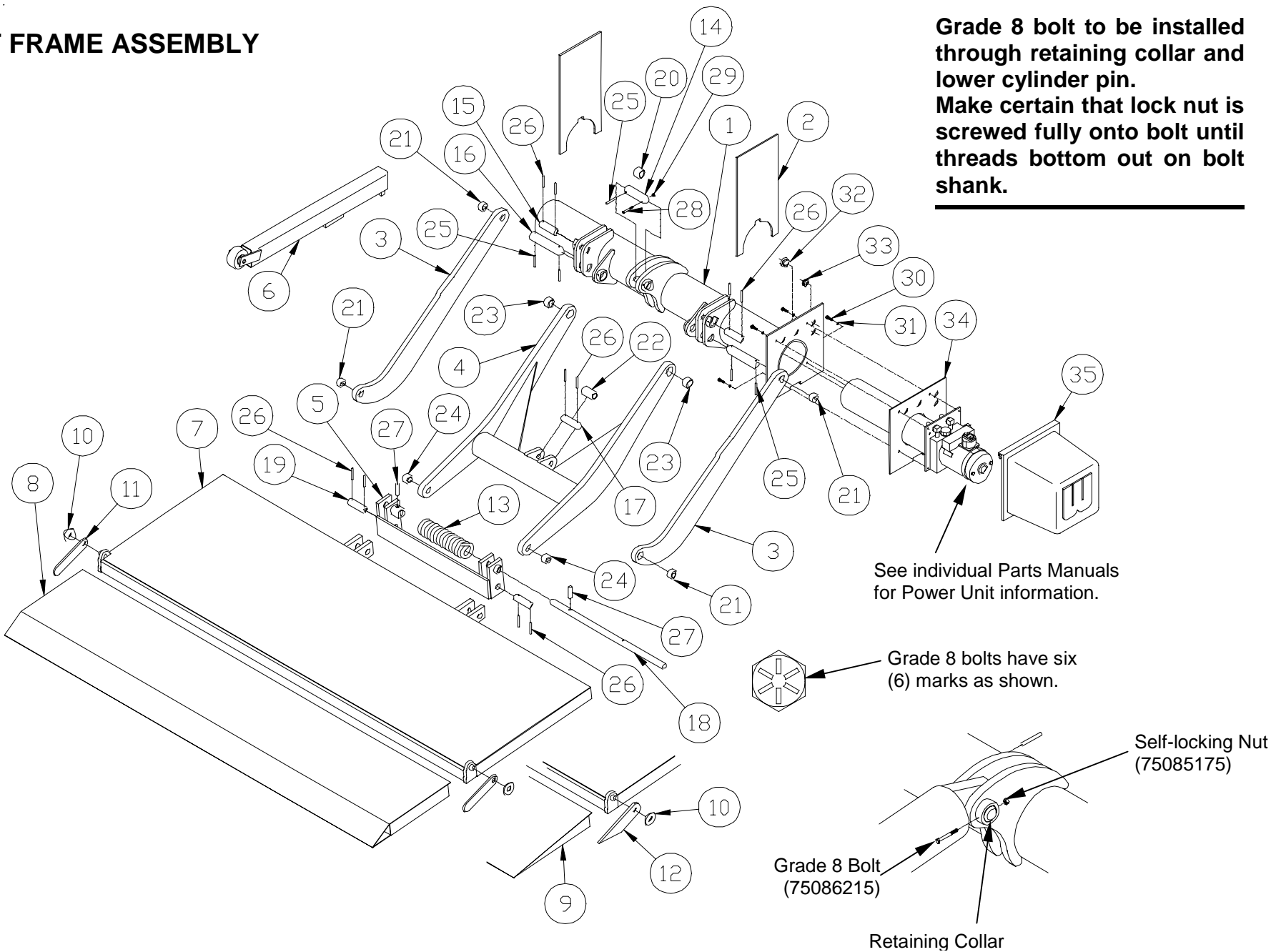
ITEM	PART NUMBER	QTY	DESCRIPTION
24	10010142 ^A	2	Bearing, 1" I.D. x 3/4" (C-15RM Only)
	10010141 ^A		Bearing, 1" I.D. x 7/8" (C-20RM Only)
25	10010142 ^A	4	Bearing, 1" I.D. x 3/4"
26	10010164 ^A	1	Bearing, 1-1/4" I.D. x 1"
27	75089543 ^{B C}	5	Coiled Pin, 1/4" x 2-1/4"
28	75086215 ^{B C}	1	1/4"-20 x 2-1/2" Bolt (Grade 8)
29	75085175 ^{B C}	1	1/4"-20 Self Locking Nut
PLATFORM ASSEMBLIES COMPLETE:			
	22110010		Platform Assembly, 32" x 72" + 4"
	22110020		Platform Assembly, 32" x 84" + 4"
	22110030		Platform Assembly, 36" x 72" Wedge
	22110040		Platform Assembly, 36" x 84" Wedge
	22110050		Platform Assembly, 36" x 72" Low Bed Wedge
	22110060		Platform Assembly, 36" x 84" Low Bed Wedge
	22110070		Platform Assembly, 32" x 72" + 4" Low Bed
	22110080		Platform Assembly, 32" x 84" + 4" Low Bed

^A Included in Bearing Replacement Kit No. 80000729 for C-15RM & C-15LBRM
^A Included in Bearing Replacement Kit No. 80000733 for C-20RM & C-20LBRM
^B Included in Pin Replacement Kit No. 80000737
^C Included in Cylinder Replacement Kits 80000937 and 80000938

MOUNT FRAME ASSEMBLY

IMPORTANT:

Grade 8 bolt to be installed through retaining collar and lower cylinder pin. Make certain that lock nut is screwed fully onto bolt until threads bottom out on bolt shank.



WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 9-28-01
E.O. 4585
REV. 05

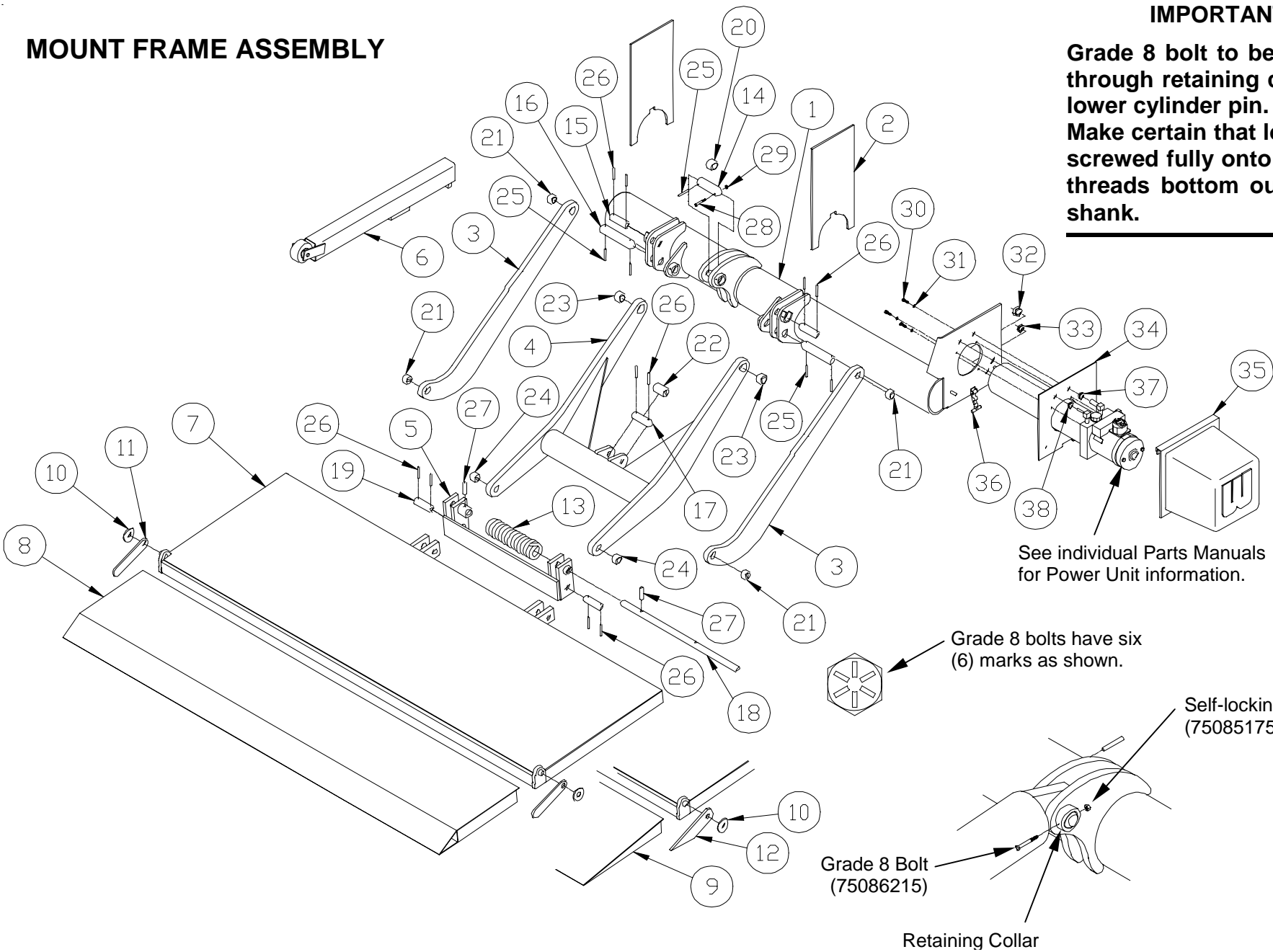
PM-517

ITEM	PART NUMBER	QTY	DESCRIPTION
1	22120020	1	Mount Frame
2	25170100	2	Mount Plate
3	22155200	2	Parallel Arm (Standard 32" CC)
	22255200		Parallel Arm (Low Bed 29" CC)
4	22230020	1	Lift Arm Assembly (Standard 32" CC)
	22230070		Lift Arm Assembly (Low Bed 29" CC)
5	22152000	1	Hinge Assembly (Half Dip)
	22153000		Hinge Assembly (Wedge and Low Bed)
6	26292000	1	Parting Bar
7	22111001	1	Deck Assembly (72" wide)
	22111002		Deck Assembly (84" wide)
	22111007		Deck Assembly (72" wide Low Bed)
	22111008		Deck Assembly (84" wide Low Bed)
8	22113172	1	Deck Extension (72" wide)
	22113184		Deck Extension (84" wide)
	22113177		Deck Extension (72" wide Low Bed)
	22113188		Deck Extension (84" wide Low Bed)
9	22113032	1	Deck Extension (72" wide Wedge)
	22113044		Deck Extension (84" wide Wedge)
	22113057		Deck Extension (72" wide Wedge L. B.)
	22113068		Deck Extension (84" wide Wedge L. B.)
10	75088066	2	3/4" S.A.E. Washer
11	30155200	2	Hinge Bar (4" Ramp Extensions only)
12	22113700	2	Hinge Bar (Wedge Extensions only)
13	22114300	1	Torsion Spring
14	22170400 ^{A D}	1	Upper Cylinder Pin
15	20370500 ^A	2	Upper Parallel Arm Pin
16	22170500 ^A	2	Upper Lift Arm Pin
17	20271501 ^{A D}	1	Lower Cylinder Pin
18	22170100 ^A	1	Lower Parallel Arm Pin
19	26212200 ^A	2	Lower Lift Arm Pin
20	10010169 ^{B C}	1	Bearing, 1-1/4" I. D. x 1" lg.
21	10010142 ^{B C}	4	Bearing, 1" I. D. 3/4" lg.
22	10010133 ^{B C}	1	Bearing, 7/8" I. D. x 1-3/4" lg.
23	10010162 ^B	2	Bearing, 1-1/4" I. D. x 3/4" lg.
	10010163 ^{B C}		Bearing, 1-1/4" I. D. x 7/8" lg.
24	10010142 ^B	2	Bearing, 1" I. D. x 3/4" lg.
	10010141 ^{B C}		Bearing, 1" I. D. x 7/8" lg.
25	75089543 ^D	5	Roll Pin, 1/4" x 2-1/4" lg.
26	75089541 ^D	10	Roll Pin, 1/4" x 1-7/8" lg.

ITEM	PART NUMBER	QTY	DESCRIPTION
27	75089542	2	Roll Pin, 1/2" x 2" lg.
28	75086215 ^D	1	1/4-20 x 2-1/2" lg. Bolt
29	75085175 ^D	1	1/4-20 Self-locking Nut
30	75086212	4	1/4"-20 x 1-1/4" lg. Bolt
31	75088079	4	1/4" Lock Washer
32	75089334	1	Grommet, for Battery Cable
33	75089342	1	Grommet, for Control Cord
34	10090410	1	Gasket, Pump Cover
35	10090400	1	Pump Cover (with Latch)
36	10090420	1	Pump Cover Latch (Not Shown)

^A Included in Pin Replacement Kit 80000737
^B Included in Bearing Replacement Kit 80000729 (C-15RM)
^C Included in Bearing Replacement Kit 80000733 (C-20RM)
^D Included in Cylinder Replacement Kits 80000937 and 80000938

MOUNT FRAME ASSEMBLY



IMPORTANT:

Grade 8 bolt to be installed through retaining collar and lower cylinder pin. Make certain that lock nut is screwed fully onto bolt until threads bottom out on bolt shank.

See individual Parts Manuals for Power Unit information.

Grade 8 bolts have six (6) marks as shown.

Self-locking Nut (75085175)

Grade 8 Bolt (75086215)

Retaining Collar

WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 5/02
E.O. 4665
REV. 01

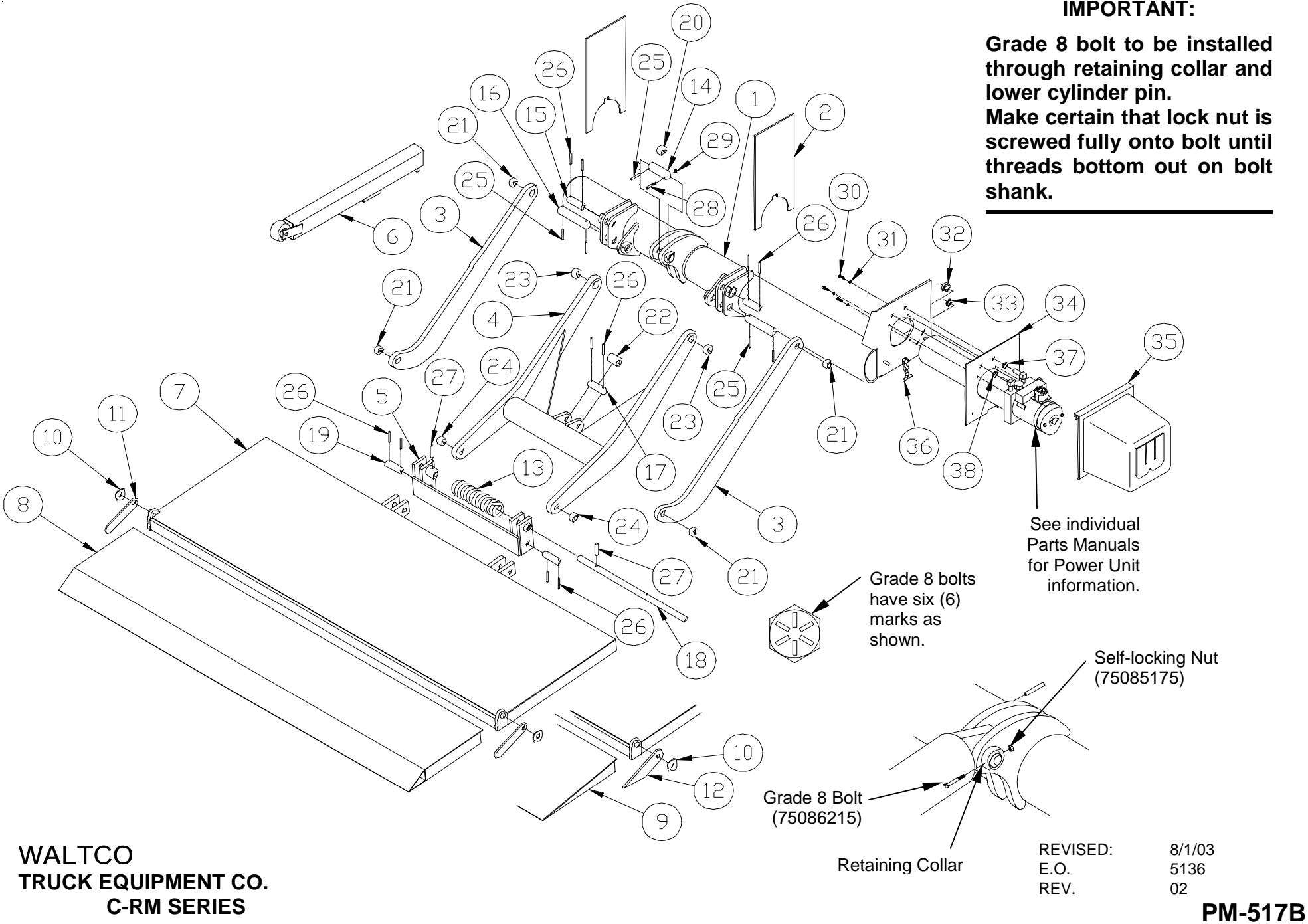
PM-517A

ITEM	PART NUMBER	QTY	DESCRIPTION
1	22120030	1	Mount Frame
2	25170100	2	Mount Plate
3	22155200	2	Parallel Arm (Standard 32" CC)
	22255200		Parallel Arm (Low Bed 29" CC)
4	22230020	1	Lift Arm Assembly (Standard 32" CC)
	22230070		Lift Arm Assembly (Low Bed 29" CC)
5	22152000	1	Hinge Assembly (Half Dip)
	22153000		Hinge Assembly (Wedge and Low Bed)
6	26292000	1	Parting Bar
7	22111001	1	Deck Assembly (72" wide)
	22111002		Deck Assembly (84" wide)
	22111007		Deck Assembly (72" wide Low Bed)
	22111008		Deck Assembly (84" wide Low Bed)
8	22113172	1	Deck Extension (72" wide)
	22113184		Deck Extension (84" wide)
	22113177		Deck Extension (72" wide Low Bed)
	22113188		Deck Extension (84" wide Low Bed)
9	22113032	1	Deck Extension (72" wide Wedge)
	22113044		Deck Extension (84" wide Wedge)
	22113057		Deck Extension (72" wide Wedge L. B.)
	22113068		Deck Extension (84" wide Wedge L. B.)
10	75088066	2	3/4" S.A.E. Washer
11	30155200	2	Hinge Bar (4" Ramp Extensions only)
12	22113700	2	Hinge Bar (Wedge Extensions only)
13	22114300	1	Torsion Spring
14	22170400 ^{A C}	1	Upper Cylinder Pin
15	20370500 ^A	2	Upper Parallel Arm Pin
16	22170500 ^A	2	Upper Lift Arm Pin
17	20271501 ^{A C}	1	Lower Cylinder Pin
18	22170100 ^A	1	Lower Parallel Arm Pin
19	26212200 ^A	2	Lower Lift Arm Pin
20	10010169 ^B	1	Bearing, 1-1/4" I. D. x 1" lg.
21	10010142 ^B	4	Bearing, 1" I. D. 3/4" lg.
22	10010133 ^B	1	Bearing, 7/8" I. D. x 1-3/4" lg.
23	10010163 ^B	2	Bearing, 1-1/4" I. D. x 7/8" lg.
24	10010141 ^B	2	Bearing, 1" I. D. x 7/8" lg.
25	75089543 ^{A B C}	5	Roll Pin, 1/4" x 2-1/4" lg.
26	75089541 ^{A B C}	10	Roll Pin, 1/4" x 1-7/8" lg.
27	75089542 ^{A B}	2	Roll Pin, 1/2" x 2" lg.
28	75086215 ^{A B C}	1	1/4-20 x 2-1/2" lg. Bolt

ITEM	PART NUMBER	QTY	DESCRIPTION
29	75085175 ^{A B C}	1	1/4-20 Self-locking Nut
30	75086212	3	1/4"-20 x 1-1/4" lg. Bolt
31	70091724	3	1/4" Star Washer
32	75089342	1	Grommet, for Control Cord
33	75089334	1	Grommet, for Battery Cable
34	10090460	1	Gasket, Pump Cover
35	10090450	1	Pump Cover
36	27391301	1	Pump Cover Latch
37	70401408	1 or 2	Grommet for 7/16" JIC fitting
38	70401409	1	Grommet for 1/4" hose stem fitting

^A Included in Pin Replacement Kit 80000737
^B Included in Bearing Replacement Kit 80000733
^C Included in Cylinder Replacement Kits 80000937 and 80000938

MOUNT FRAME ASSEMBLY



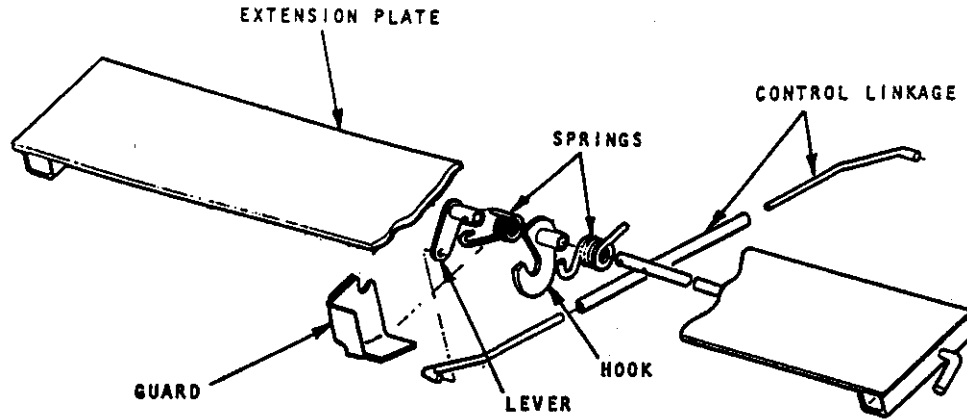
WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

ITEM	PART NUMBER	QTY	DESCRIPTION
1	22120030	1	Mount Frame
2	25170100	2	Mount Plate
3	22155200	2	Parallel Arm (Standard 32" CC)
	22255200		Parallel Arm (Low Bed 29" CC)
4	22230020	1	Lift Arm Assembly (Standard 32" CC)
	22230070		Lift Arm Assembly (Low Bed 29" CC)
5	22152000	1	Hinge Assembly (Half Dip)
	22153000		Hinge Assembly (Wedge and Low Bed)
	22154000		Hinge Assembly (Level Ride)
6	26292000	1	Parting Bar
7	22111011	1	Deck Assembly (72" wide)
	22111012		Deck Assembly (84" wide)
	22111017		Deck Assembly (72" wide Low Bed)
	22111018		Deck Assembly (84" wide Low Bed)
8	22113172	1	Deck Extension (72" wide)
	22113184		Deck Extension (84" wide)
	22113177		Deck Extension (72" wide Low Bed)
	22113188		Deck Extension (84" wide Low Bed)
9	22113032	1	Deck Extension (72" wide Wedge)
	22113044		Deck Extension (84" wide Wedge)
	22113057		Deck Extension (72" wide Wedge L. B.)
	22113068		Deck Extension (84" wide Wedge L. B.)
10	75088066	2	3/4" S.A.E. Washer
11	30155200	2	Hinge Bar (4" Ramp Extensions only)
12	22113700	2	Hinge Bar (Wedge Extensions only)
13	22114300	1	Torsion Spring
14	22170400 ^{A C}	1	Upper Cylinder Pin
15	20370500 ^A	2	Upper Parallel Arm Pin
16	22170500 ^A	2	Upper Lift Arm Pin
17	20271501 ^{A C}	1	Lower Cylinder Pin
18	22170100 ^A	1	Lower Parallel Arm Pin
19	26212200 ^A	2	Lower Lift Arm Pin
20	10010169 ^B	1	Bearing, 1-1/4" I. D. x 1" lg.
21	10010142 ^B	4	Bearing, 1" I. D. 3/4" lg.
22	10010171 ^B	1	Bearing, 7/8" I. D. x 1-3/4" lg.
23	10010163 ^B	2	Bearing, 1-1/4" I. D. x 7/8" lg.
24	10010141 ^B	2	Bearing, 1" I. D. x 7/8" lg.
25	75089543 ^{A B C}	5	Roll Pin, 1/4" x 2-1/4" lg.
26	75089541 ^{A B C}	10	Roll Pin, 1/4" x 1-7/8" lg.
27	75089542 ^{A B}	2	Roll Pin, 1/2" x 2" lg.

ITEM	PART NUMBER	QTY	DESCRIPTION
28	75086215 ^{A B C}	1	1/4-20 x 2-1/2" lg. Bolt
29	75085175 ^{A B C}	1	1/4-20 Self-locking Nut
30	75086212	3	1/4"-20 x 1-1/4" lg. Bolt
31	75088079	3	1/4" Lock Washer
32	75089342	1	Grommet, for Control Cord
33	75089334	1	Grommet, for Battery Cable
34	10090460	1	Gasket, Pump Cover
35	10090450	1	Pump Cover
36	27391301	1	Pump Cover Latch
37	70401408	1 or 2	Grommet for 7/16" JIC fitting
38	70401409	1	Grommet for 1/4" hose stem fitting

^A Included in Pin Replacement Kit 80000737
^B Included in Bearing Replacement Kit 80000733
^C Included in Cylinder Replacement Kits 80000937 and 80000938

C-SERIES BED EXTENSION ASSEMBLY

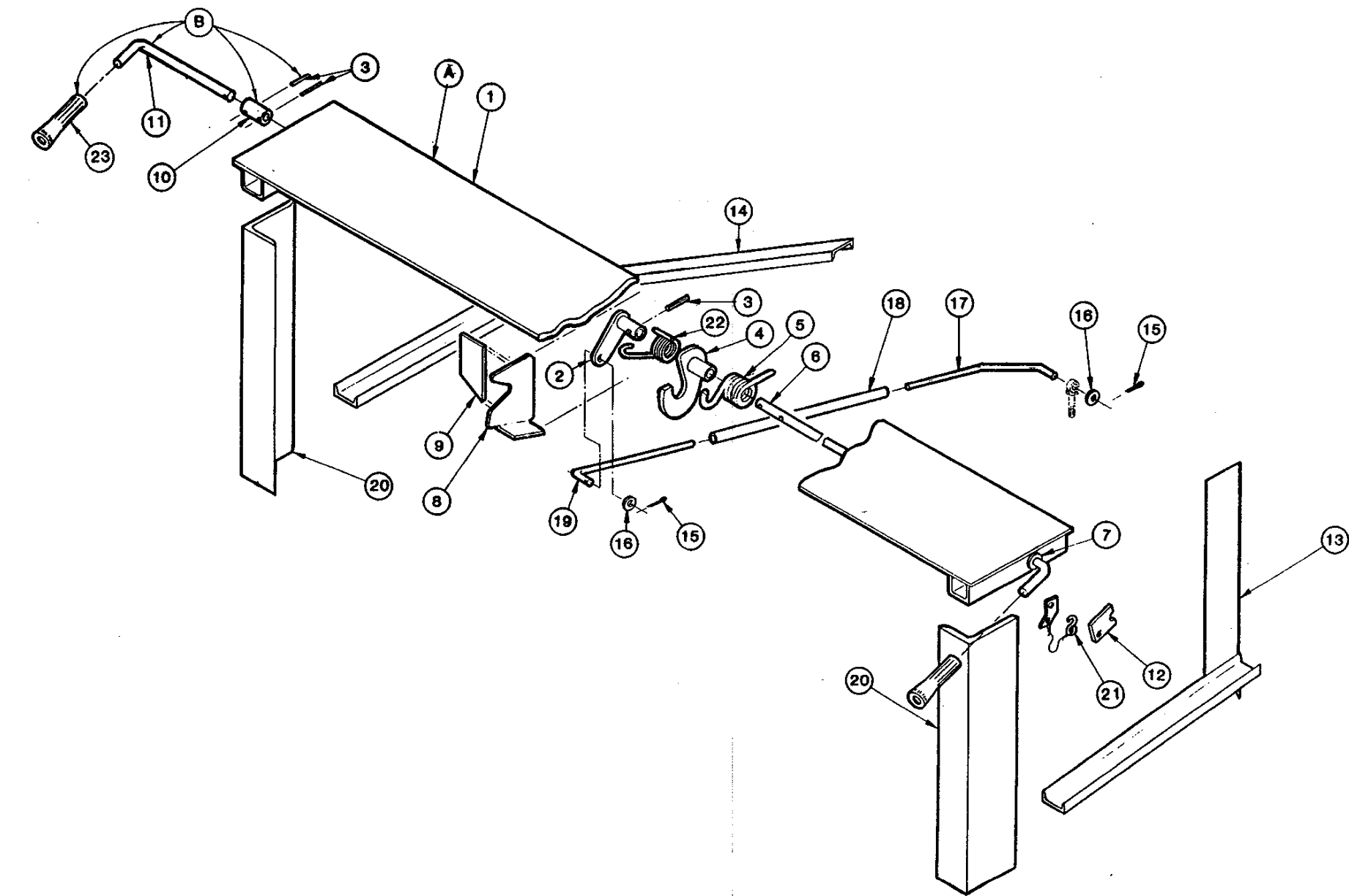


Common Features

- 10" deep extension plate
- 94" or 100" wide extension plate
- 1/4" extension plate

<p>PM-188 Built thru 2-94</p>	<p>PM-381 Built from 2-94 thru 3-95</p>	<p>PM-189A Built from 3-95 thru 3-96</p> <p>PM-417 Built from 3-96 thru 1-00</p> <p>PM-508 Built from 1-00 thru 5-03</p> <p>PM-508A Built from 5-03</p>
Manual or Electric Controls	Electric Controls Only	Electric Controls Only
Guard	No guard	No guard
Two springs	One spring	One spring
Lever	No lever	No lever
Control linkage (on manual units only)	No control linkage	No control linkage
<p>Hook with lever actuator</p>	<p>Hook without lever actuator</p>	<p>Hook with nub</p>

C-15, 20 BED EXTENSION and CONTROL RODS



WALT
CO
TRUCK EQUIPMENT CO.
C-SERIES

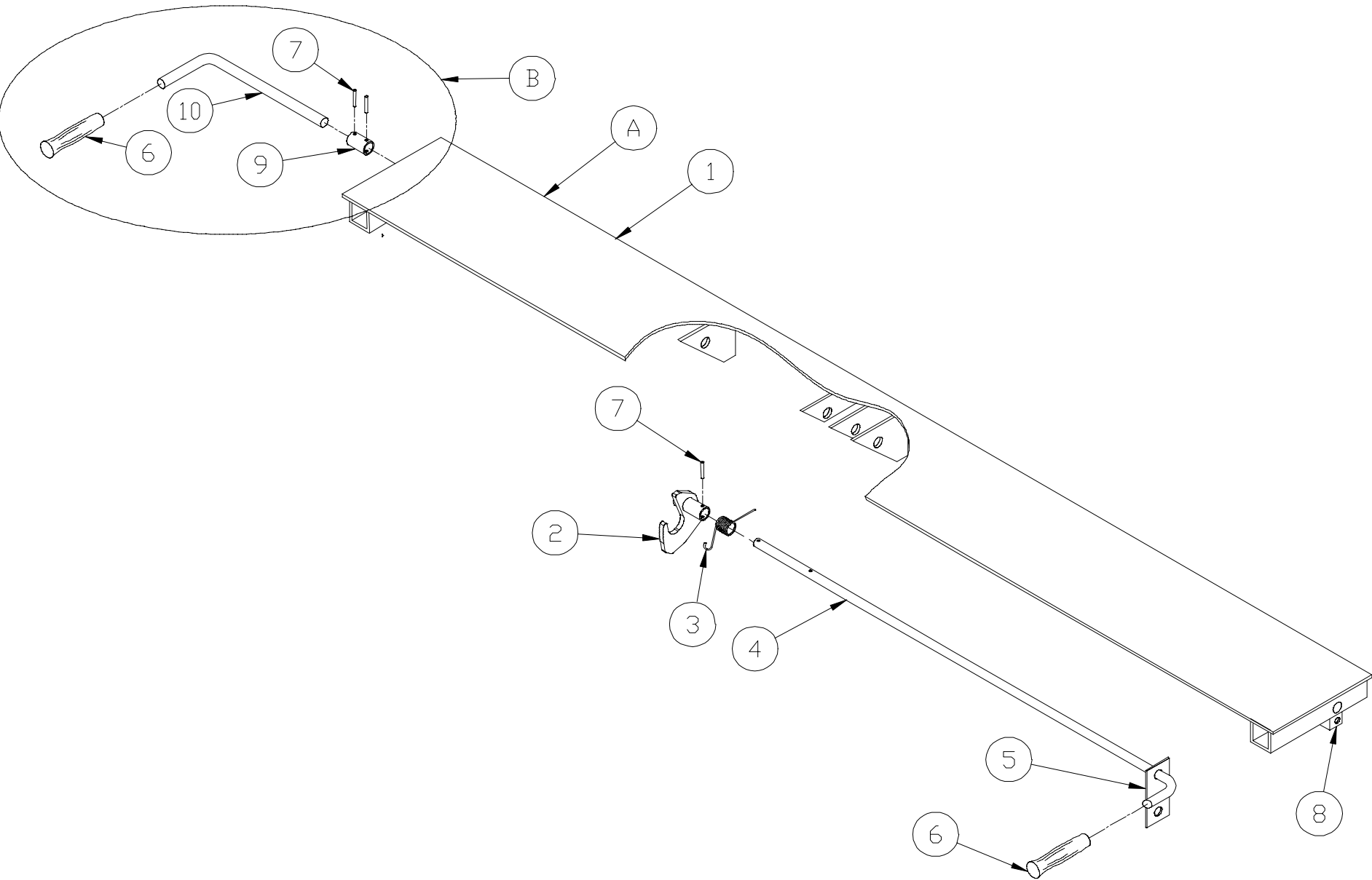
REVISED: 11/86

PM-188

ITEM	PART NUMBER	QTY	DESCRIPTION
A	22160003	1	Bed Extension Includes Items 1 to 9)
B	80000420	1	Dual Control Kit (Includes Items 3, 10, 11, & 23)
1	22161003	1	Bed Extension Sub-Assembly
2	26263000	1	Control Lever Assembly
3	75089547	1	3/16" x 1" Coil Pin (3 on Dual Control)
4	22162003	1	Hook Assembly
5	20261600	1	Torsion Spring
6	20265100	1	Control Handle
7	75088057	1	5/8" Flat Washer
8	22161503	1	Guard
9	22161403	1	Guard Brace
10	26263202	1	Connector Sleeve (used on Dual Control Only)
11	26265102	1	Dual Control Handle (used on Dual Control Only)
12	22197103	1	Lockout Bar
13	26298001	1	Dock Bumper Brace Assembly (Curb Side Only)
14	26298051	1	Dock Bumper Brace Assembly (Driver's Side Only)
15	75084053	2	3/32" Dia. x 1" Cotter Pin
16	75088052	2	5/16" Flat Washer
17	26291100	1	Control Rod
18	20291200	1	Control Rod Tube
19	10191100	1	Control Rod
20	26297100	2	Dock Bumper
21	26297000	1	Lockout Device Assembly
22	20261800	1	Return Spring
23	75089330	1	Rubber Grip (2 used on dual control Units)

F, C, E, SERIES BED EXTENSION, ELECTRIC CONTROLS

* For some Bed Extensions sold between February 1994 and March 1995



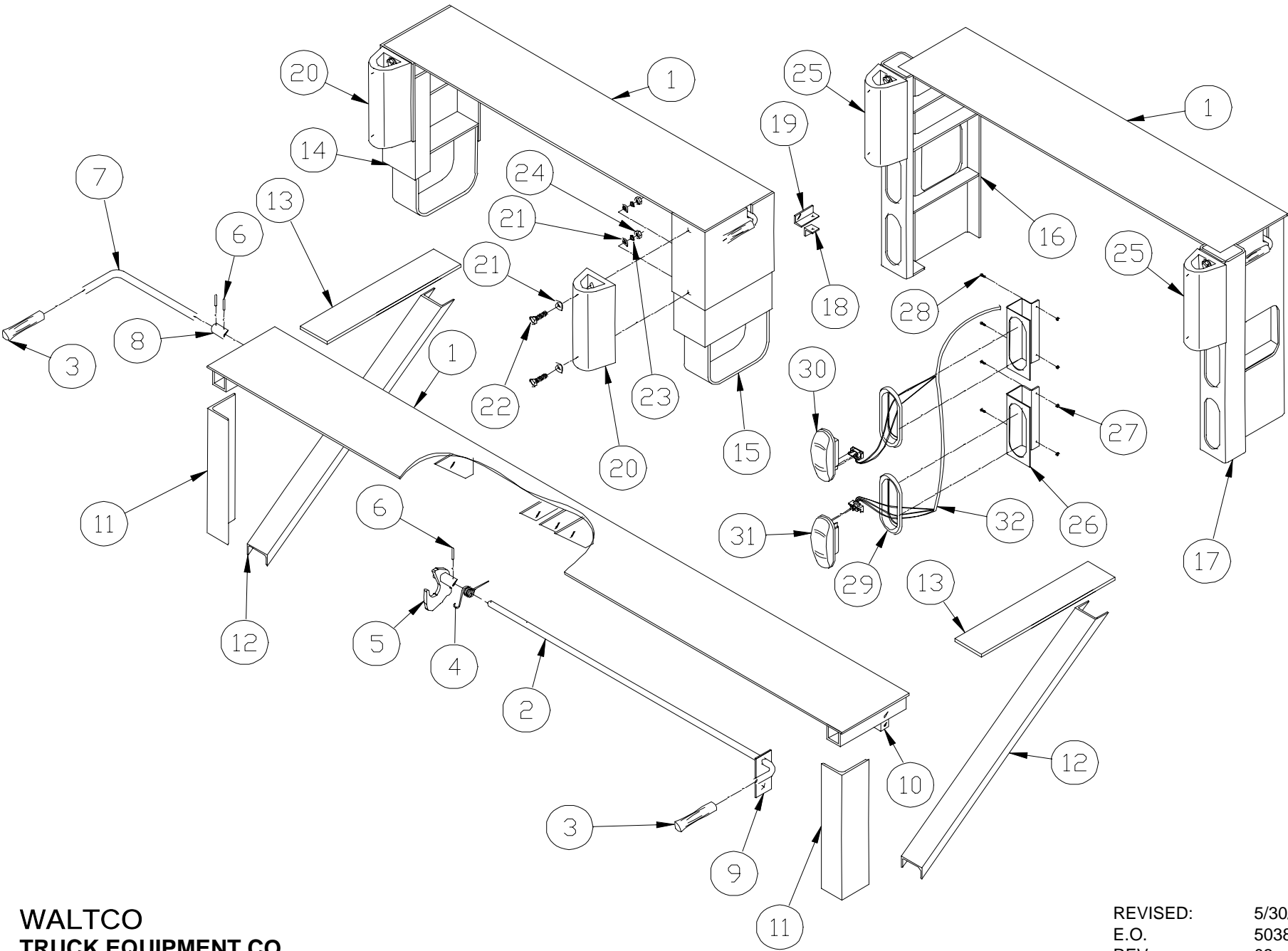
WALTCO
TRUCK EQUIPMENT CO.
F, C, E, SERIES

REVISED: 10-11-96
E.O. 2968
REV. 02

PM-381

ITEM	PART NUMBER	QTY	DESCRIPTION
A	20260005	1	Bed Extension Assembly Complete (96" Wide) (F-Series Only)
	20260006	1	Bed Extension Assembly Complete (102" Wide) (F-Series Only)
	22160005	1	Bed Extension Assembly Complete (C-Series Only)
	26260001	1	Bed Extension Assembly Complete (E-Series Only)
B	80000420	1	Flipaway Dual Control Kit (Includes Items 3, 7, 9, 10)
1	26261004	1	Bed Extension Sub Assembly (96" Wide) (F-Series Only)
	26261005	1	Bed Extension Sub Assembly (102" Wide) (F-Series Only)
	22161005	1	Bed Extension Sub Assembly (C-Series Only)
	26261001	1	Bed Extension Sub Assembly (E Series Only)
2	20262005	1	Hook Assembly (F-Series Only)
	22162005	1	Hook Assembly (C-Series Only)
	26262001	1	Hook Assembly (E-Series Only)
3	20261600	1	Torsion Spring
4	20265105	1	Control Handle (96" Wide)
	20265106	1	Control Handle (102" Wide)
5	22197104	1	Lock Out Clip
6	75089330	1	Rubber Grip (2 Used on Dual Control)
7	75089547	1	3/16" Dia. Coiled Pin (3 Used on Dual control)
8	33021800	1	Lock Out Clip
9	26263202	1	Dual Control Sleeve
10	26265102	1	Dual Control Handle

F, C, E SERIES BED EXTENSION



WALTCO
TRUCK EQUIPMENT CO.
F, C, E SERIES

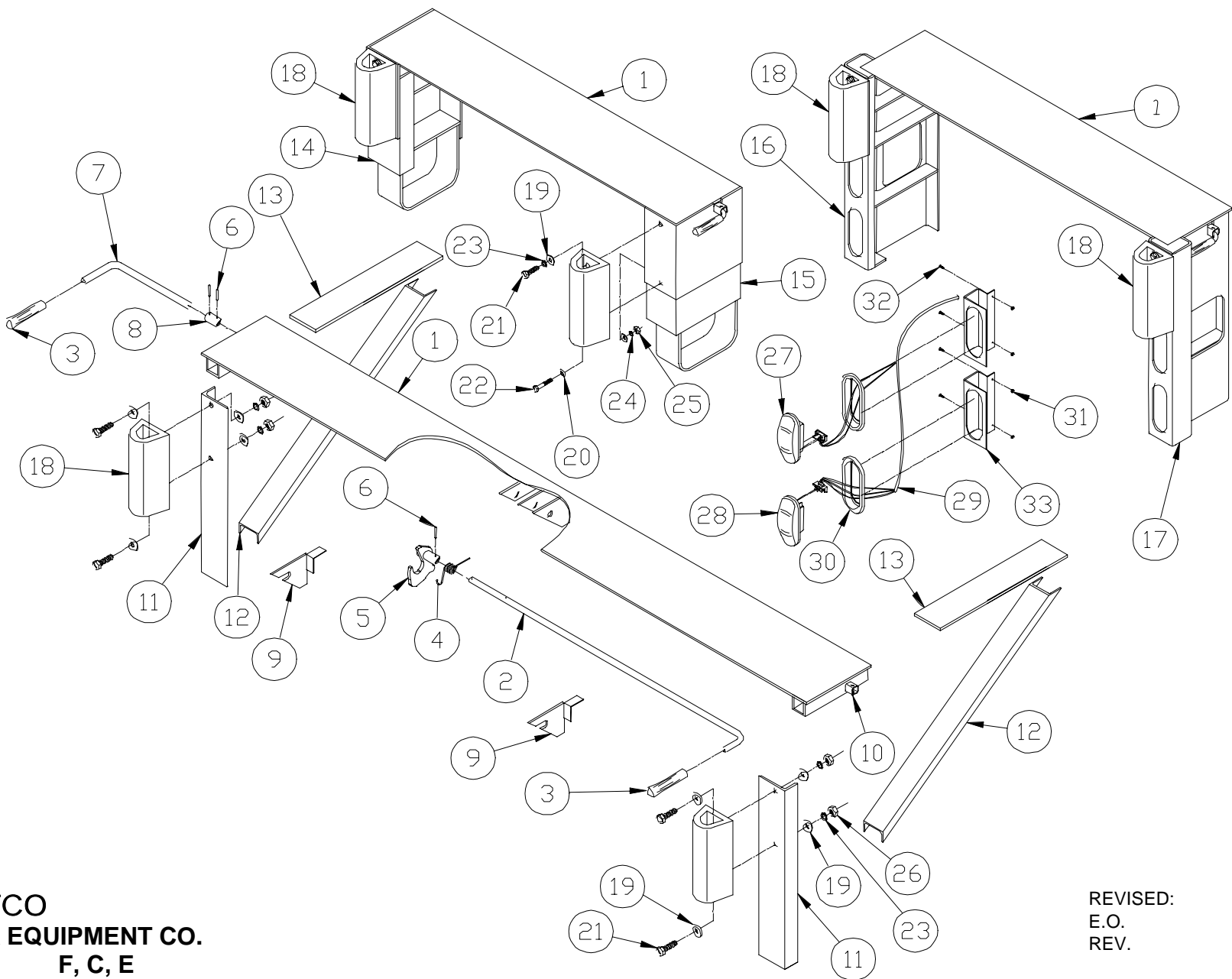
REVISED: 5/30/03
E.O. 5038
REV. 03

PM-417

ITEM	PART NUMBER	QTY	DESCRIPTION
1	26260002	1	Bed Extension - 96"
	26260003	1	Bed Extension - 102"
2	20265105	1	Control Handle (96" Bed Extension)
	20265106	1	Control Handle (102" Bed Extension)
3	75089330 ❖	1	Rubber Grip (2 Used On Dual Control)
4	20261600	1	Torsion Spring
5	26262002	1	Hook Assembly
6	75089547 ❖	1	Coiled Pin (3 Used On Dual Control Units)
7	26265102 ❖	1	Dual Control Handle (Dual Control Only)
8	26263202 ❖	1	Connector Sleeve (Dual Control Only)
9	22197104	1	Lockout Bar
10	33021800	1	Lockout Clip
11	26297102 ⌘	2	Dock Bumper Angle
12	26298003 ⌘	2	Support Channel
13	26298004 ⌘	2	Support Bar
14	26298052 ■	1	Dock Bumper (Driver's Side)
15	26298002 ■	1	Dock Bumper (Curb Side)
16	22597051 ○	1	Dock Bumper for lights (Driver's Side)
17	22597001 ○	1	Dock Bumper for lights (Curb Side)
18	26298600 ■○	1	Lockout Angle
19	26298500 ■○	1	Lockout Angle
20	26297602 ◆	2	Rubber Bumper
21	75088057 ●◆	8	Washer 5/8"
22	75086159 ●◆	4	Hex Bolt 5/8"-11 x 3" lg. Grade 2
23	75088085 ●◆	4	Lock Washer 5/8"
24	75085012 ●◆	4	Hex Nut 5/8"-11
25	26297600 ●	2	Rubber Bumper
26	22597102 ○	4	Tail Light Bracket
27	75085000 ○	8	Hex Nut #10-32
28	75086732 ○	8	Machine Screw #10-32 x 1" lg.
29	75089376 ○	4	Light Grommet
30	75089374 ○	2	Tail Light Backup (Tractors only) (Clear)
	75089373 ○	2	Tail Light S, T & T (Trailers only) (Red)
31	75089373 ○	2	Tail Light S, T & T (Red)
32	22575200 ○	2	Harness, 2 Lamp

- ❖ Included in dual control kit 80000420
- Rubber Bumper Kit 26297003 (For Heavy Duty Dock Bumper Kits)
- Rubber Bumper Kit 22596011 (For Super Duty Dock Bumper Kits with Lights)
- ◆ Rubber Bumper Kit 26297002 (For Super Duty without Lights)
- Super Duty Dock Bumper Kit 26296002 (without Lights)
- Super Duty Dock Bumper Kit With (4) Lights 22596001 (Tractor)
- Super Duty Dock Bumper Kit With (4) Lights 22596001 (Trailer)
- ⌘ Heavy Duty Dock Bumper Kit 26296003

BED EXTENSION



WALTCO
TRUCK EQUIPMENT CO.
F, C, E

REVISED: 5/30/03
E.O. 5038
REV. 04

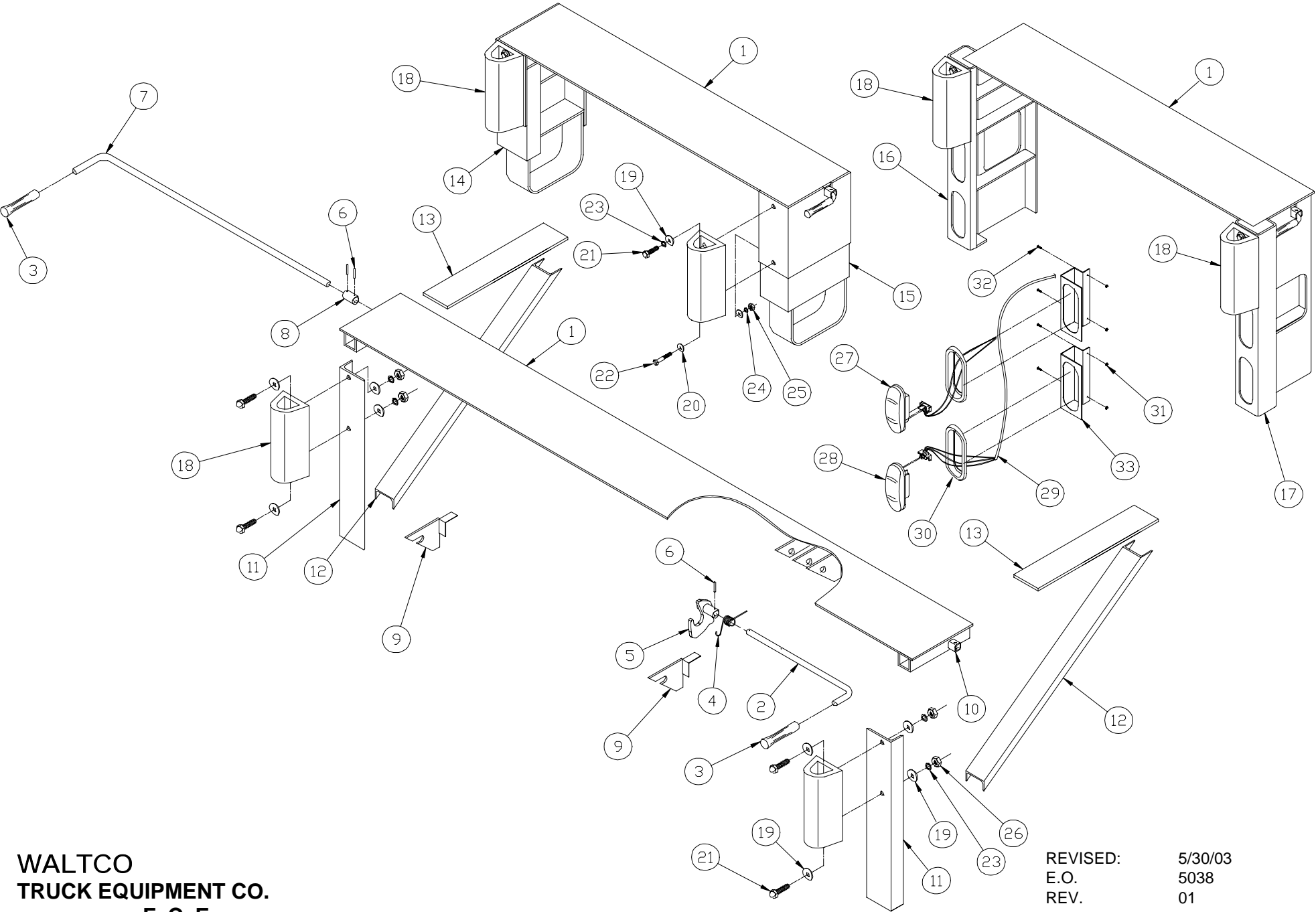
PM-508

ITEM	PART NUMBER	QTY	DESCRIPTION
1	26360001	1	Bed Extension – 96” E-30 only
	26360002		Bed Extension – 102” E-30 only
	26260006		Bed Extension – 96”
	26260007		Bed Extension – 102”
2	26360101 ^L	1	Control Handle 96” Bed Extension E-30 only
	26360102		Control Handle 102” Bed Extension E-30 only
	26265100 ^I		Control Handle 96” Bed Extension
	26265101		Control Handle 102” Bed Extension
3	75089330 ^{A I K L}	1	Handle Grip (2 used with dual controls)
4	20261600 ^{I L}	1	Torsion Spring
5	26262002 ^{I L}	1	Hook Assembly
6	75089547 ^{A I K L}	1	Roll Pin (3 used with dual control)
7	26265102 ^A	1	Dual Control Handle (Dual Control only)
	26365102 ^K		Dual Control Handle (Dual Control only) E-30 only
8	26263202 ^{A K}	1	Connector Sleeve (Dual Control only)
9	26266001	2	Bed Extension Gauge/Gusset
10	26265200	1	Control Handle Collar
11	26297102 ^B	2	Dock Bumper Angle
12	26298003 ^B	2	Support Channel
13	26298004 ^B	2	Support Bar
14	26298050 ^C	1	Super Duty Dock Bumper (Driver’s Side)
15	26298010 ^C	1	Super Duty Dock Bumper (Curb Side)
16	22597051 ^{D E}	1	Super Duty Dock Bumper w/lights (D.S.)
17	22597001 ^{D E}	1	Super Duty Dock Bumper w/lights (C.S.)
18	26297600 ^{F G H}	2	Rubber Bumper
19	75088057 ^{F G H}	8*	Washer, 5/8”
20	75088067 ^G	4	Washer, 1/2”
21	75086155 ^{F G H}	4 ^Δ	Hex Bolt, 5/8”-11 x 2” lg.
22	75086110 ^G	2	Hex Bolt, 1/2”-13 x 2-1/2” lg.
23	75088085 ^{F G H}	4 ^Δ	Lock Washer, 5/8”
24	75088083 ^G	2	Lock Washer, 1/2”
25	75085008 ^G	2	Hex Nut, 1/2”-13
26	75085012 ^F	4	Hex Nut, 5/8”-11
27	75089374 ^D	2	Taillight Backup (Tractors only) (Clear)
	75089373 ^{D E}		Taillight S, T & T (Trailers only) (Red)
28	75089373 ^{D E}	2	Taillight S, T & T (Red)
29	22575200 ^{D E}	2	Harness, 2 Lamp
30	75089376 ^{D E}	4	Light Grommet
31	75085000 ^{D E}	8	Hex Nut, #10-32

ITEM	PART NUMBER	QTY	DESCRIPTION
32	75086732 ^{D E}	8	Machine Screw, #10-32 x 1” lg.
33	22597102 ^{D E}	4	Taillight Bracket

- ^A Included in Dual Control Kit (80000420)
- ^B Heavy Duty dock Bumper Kit 26296003
- ^C Super Duty dock Bumper Kit 262960004 (without lights)
- ^D Super Duty dock Bumper Kit With (4) Lights 22596001 (Tractor)
- ^E Super Duty dock Bumper Kit With (4) Lights 22596003 (Trailer)
- ^F Rubber Bumper Kit 26297003 (For Heavy Duty Dock Bumper Kit)
- ^G Rubber Bumper Kit 26297004 (For Super Duty Dock Bumper Kit w/o Lights)
- ^H Rubber Bumper Kit 22596011 (For Super Duty Dock Bumper Kit With Lights)
- ^I Included in bed Extension Replacement Kit 80000951 (F,C,E)
- ^K Included in Dual Control Kit (80000431)
- ^L Included in E-30 Bed Extension Replacement Kit (80000969).
- * Quantity of 4 for 22596011, Quantity of 2 for 26297004
- ^Δ Quantity of 2 for 26297004

BED EXTENSION



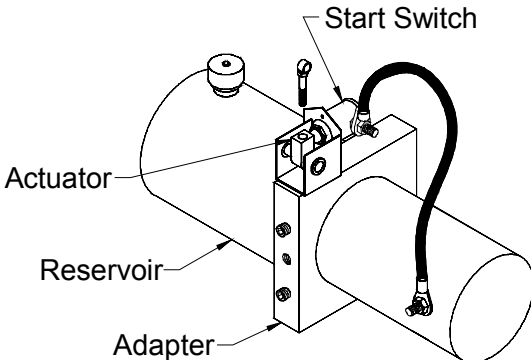
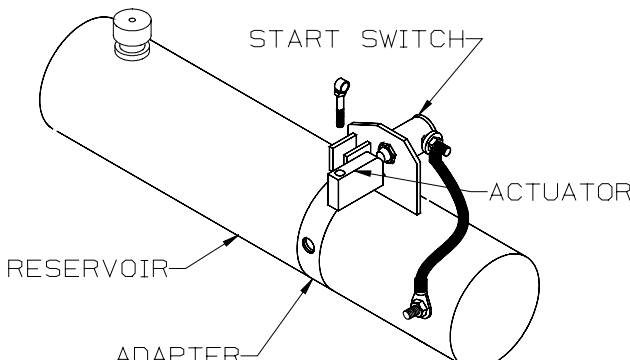
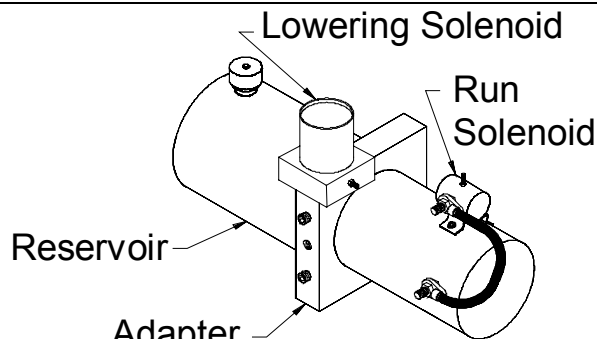
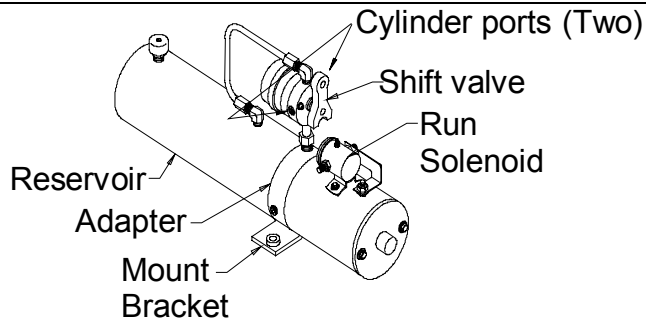
WALTCO
TRUCK EQUIPMENT CO.
F, C, E

ITEM	PART NUMBER	QTY	DESCRIPTION
1	26360001	1	Bed Extension – 96"
	26360002		Bed Extension – 102"
2	26360101 ^L	1	Control Handle 96" Bed Extension
	26360102		Control Handle 102" Bed Extension
3	75089330 ^{L K}	1	Handle Grip (2 used with dual controls)
4	20261600 ^L	1	Torsion Spring
5	26262002 ^L	1	Hook Assembly
6	75089547 ^{L K}	1	Roll Pin (3 used with dual control)
7	26365102 ^K		Dual Control Handle (Dual Control only)
8	26263202 ^K	1	Connector Sleeve (Dual Control only)
9	26266001	2	Bed Extension Gauge/Gusset
10	26265200	1	Control Handle Collar
11	26297102 ^B	2	Dock Bumper Angle
12	26298003 ^B	2	Support Channel
13	26298004 ^B	2	Support Bar
14	26298050 ^C	1	Super Duty Dock Bumper (Driver's Side)
15	26298010 ^C	1	Super Duty Dock Bumper (Curb Side)
16	22597051 ^{D E}	1	Super Duty Dock Bumper w/lights (D.S.)
17	22597001 ^{D E}	1	Super Duty Dock Bumper w/lights (C.S.)
18	26297600 ^{F G H}	2	Rubber Bumper
19	75088057 ^{F G H}	8*	Washer, 5/8"
20	75088067 ^G	4	Washer, 1/2"
21	75086155 ^{F G H}	4 ^Δ	Hex Bolt, 5/8"-11 x 2" lg.
22	75086110 ^G	2	Hex Bolt, 1/2"-13 x 2-1/2" lg.
23	75088085 ^{F G H}	4 ^Δ	Lock Washer, 5/8"
24	75088083 ^G	2	Lock Washer, 1/2"
25	75085008 ^G	2	Hex Nut, 1/2"-13
26	75085012 ^F	4	Hex Nut, 5/8"-11
27	75089374 ^D	2	Taillight Backup (Tractors only) (Clear)
28	75089373 ^{DE}	2	Taillight S, T & T (Trailers only) (Red)
	75089373 ^{DE}		Taillight S, T & T (Red)
29	22575200 ^{DE}	2	Harness, 2 Lamp
30	75089376 ^{DE}	4	Light Grommet
31	75085000 ^{DE}	8	Hex Nut, #10-32
32	75086732 ^{DE}	8	Machine Screw, #10-32 x 1" lg.
33	22597102 ^{DE}	4	Taillight Bracket

- ^B Heavy Duty dock Bumper Kit 26296003
- ^C Super Duty dock Bumper Kit 262960004 (without lights)
- ^D Super Duty dock Bumper Kit With (4) Lights 22596001 (Tractor)
- ^E Super Duty dock Bumper Kit With (4) Lights 22596003 (Trailer)
- ^F Rubber Bumper Kit 26297003 (For Heavy Duty Dock Bumper Kit)
- ^G Rubber Bumper Kit 26297004 (For Super Duty Dock Bumper Kit w/o Lights)
- ^H Rubber Bumper Kit 22596011 (For Super Duty Dock Bumper Kit With Lights)
- ^K Included in Dual Control Kit (80000431)
- ^L Included in Bed Extension Replacement Kit (80000969).
- * Quantity of 4 for 22596011, Quantity of 2 for 26297004
- ^Δ Quantity of 2 for 26297004

C-SERIES HYDRAULICS

(Prior to 2-94)

				
C-15, 20 Manual Control - Fenner	C-15, 20 Manual Control - Monarch			
				
C-15, 20 Electric Control	C-15, 20 Manual Power Down			
Common Features <ul style="list-style-type: none">• Fenner and Monarch power units• Manual or electric controls• "C" Series cylinders• Pressure set at 2700 psi• Pump mounted to brackets in middle of mount tube				
	C-15, 20			
	Manual Control Fenner Pump	Manual Control Monarch Pump	Electric Control	Manual Power Down
Reservoir	Round	Round	Round	Round
Control	Start switch with actuator	Start switch with actuator	Release and control solenoid	Shift valve with control solenoid
Adapter	Square	Round	Square	Round
Motor	Spline drive	Spline drive	Spline drive	Tang drive
Hydraulic Layout	PM-26	PM-26	80100131	PM-272
Pump	PM-110B	PM-286	PM-111B	PM-247A
Cylinder	PM-210 (C-15) PM-209 (C-20)	PM-210 (C-15) PM-209 (C-20)	PM-210 (C-15) PM-209 (C-20)	PM-210 (C-15) PM-209 (C-20)

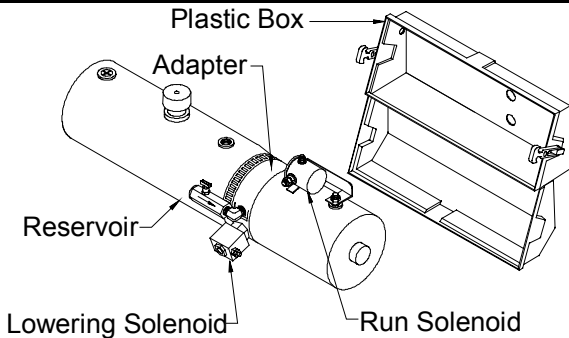
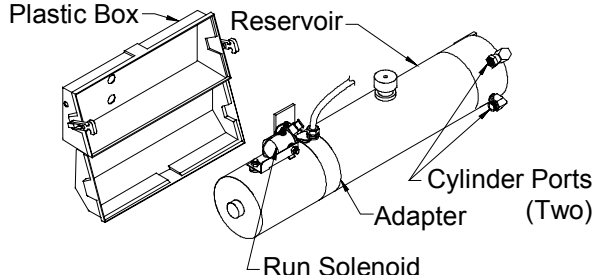
©2004 Waltco Truck Equipment Co. All rights reserved

80101091 Rev. 02 04/03

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

C-SERIES ELECTROPAK®

(Manufactured from 2-94 thru 8-97)

		
C-15, 20 Electric Control	C-15, 20 Electric Control Power Down	
Common Features <ul style="list-style-type: none">• Monarch power units with ElectroPak®• Electric controls• "C" Series cylinder• Pressure set at 2700 psi• Pump units shipped with weather box• Pump mounted remotely to vehicle chassis• Thermalpak added as an option on 6-97		
	C-15, 20	
	Electric Control	Electric Control Power Down
Reservoir	Round	Round
Pump Box	Plastic	Plastic
Adapter	Round	Round
Hydraulic Layout	PM-336A – Electropak PM-430A - Thermalpak	PM-342A – Electropak PM-431A - Thermalpak
Electrical Layout & Schematic	PM-343	PM-344
Pump	PM-352 – Electropak PM-510 – Thermalpak	PM-354 – Electropak PM-511 – Thermalpak
Cylinder	PM-210 (C-15) PM-209 (C-20)	PM-210 (C-15) PM-209 (C-20)

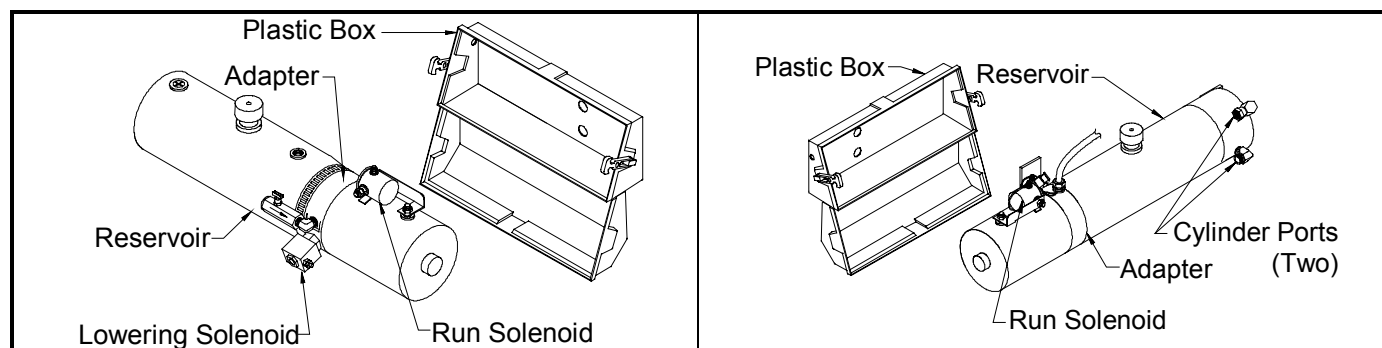
©2004 Waltco Truck Equipment Co. All rights reserved

80101091 Rev. 02 04/03

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

C-SERIES ELECTROPAK® and THERMALPAK®

(Manufactured from 8-97 thru 1-00)



C-15, 20 Electric Control

C-15, 20 Electric Control Power Down

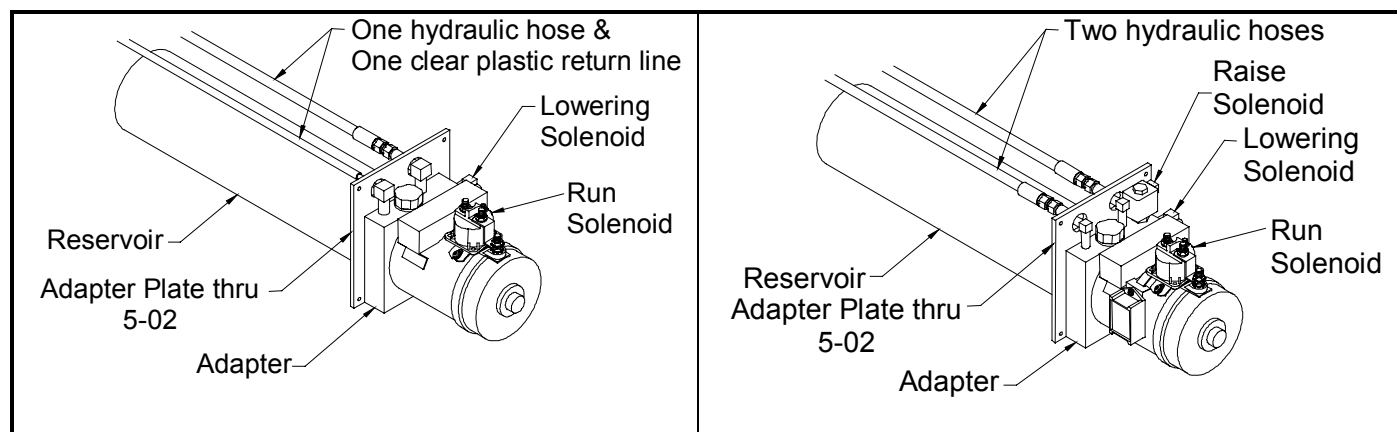
Common Features

- Monarch power units with ElectroPak® or ThermalPak® decal
- Electric controls:
Toggle Switch or Push Button control from 8-97 thru 10-98
Super Switch Control from 10-98 thru 1-00
- "C" Series reduced maintenance cylinder
- Pressure set at 2700 psi
- Pump mounted remotely to vehicle chassis

	C-15, 20			
	Electric Control		Electric Control Power Down	
	Electro-Pak®	Thermal-Pak®	Electro-Pak®	Thermal-Pak®
Reservoir	Round	Round	Round	Round
Pump Box	Plastic	Plastic	Plastic	Plastic
Adapter	Round	Round	Round	Round
Hydraulic Layout	PM-437	PM-430	PM-342 (Built from 8-97 thru 10-98) PM-492 (Built from 10-98 thru 1-00)	PM-431 (Built from 8-97 thru 10-98) PM-493 (Built from 10-98 thru 1-00)
Electrical Layout & Schematic	PM-343	PM-343	PM-344 (Built from 8-97 thru 10-98) PM-489 (Built from 10-98 thru 1-00)	PM-344 (Built from 8-97 thru 10-98) PM-489 (Built from 10-98 thru 1-00)
Pump	PM-352	PM-510	PM-354	PM-511
Cylinder	PM-470 (C-15RM) PM-471 (C-20RM)	PM-470 (C-15RM) PM-471 (C-20RM)	PM-470 (C-15RM) PM-471 (C-20RM)	PM-470 (C-15RM) PM-471 (C-20RM)

C-SERIES ELECTROPAK® and THERMALPAK®

(Manufactured from 1-00)



C-15, 20 Electric Control

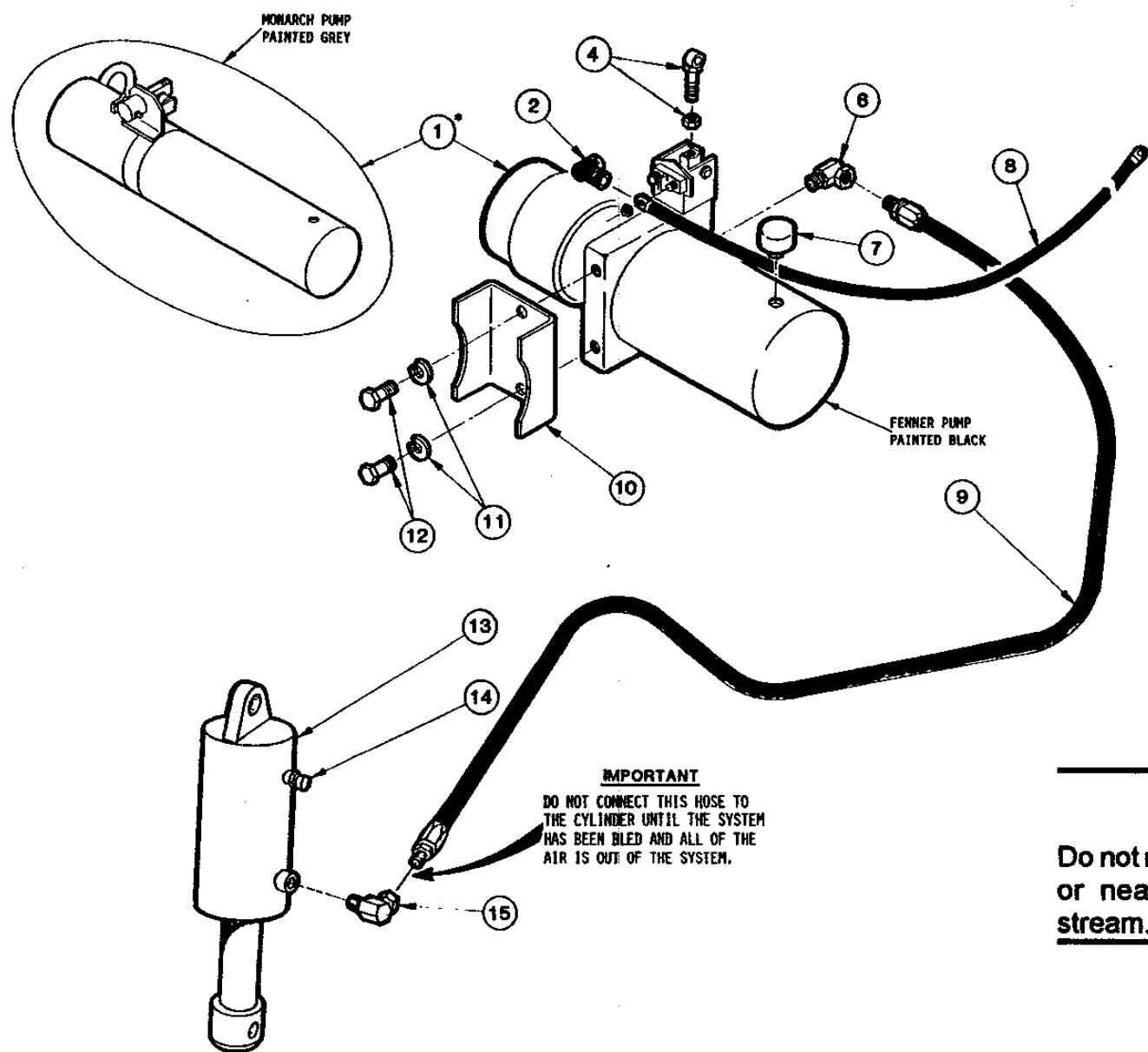
C-15, 20 Electric Control Power Down

Common Features

- Monarch power units with ElectroPak® or ThermalPak® decal
- Electric controls
- "C" Series reduced maintenance cylinder
- Pressure set at 2700 psi
- Pump units shipped with weather box
- Pump mounted to curb side of liftgate mount tube
(1-00 thru 5-02 Pump Reservoir is inserted into Mount Tube)
(After 5-02 Pump reservoir is outside of Mount Tube)

	C-15, 20			
	Electric Control		Electric Control Power Down	
	Electro-Pak®	Thermal-Pak®	Electro-Pak®	Thermal-Pak®
Reservoir	Round	Round	Round	Round
Pump Box	Plastic	Plastic	Plastic	Plastic
Adapter	Round	Round	Round	Round
Hydraulic Layout	PM-513 (Built from 1-00 thru 5-02) PM-570 (Built from 5-02 thru 3-04) PM-621 (Built from 3-04)	PM-515 (Built from 1-00 thru 5-02) PM-572 (Built from 5-02 thru 3-04) PM-623 (Built from 3-04)	PM-514 (Built from 1-00 thru 5-02) PM-571 (Built from 5-02 thru 3-04) PM-622 (Built from 3-04)	PM-516 (Built from 1-00 thru 5-02) PM-573 (Built from 5-02 thru 3-04) PM-624 (Built from 3-04)
Electrical Layout & Schematic	PM-617	PM-617	PM-618	PM-618
Pump	PM-555	PM-556	PM-558	PM-559
Cylinder	PM-470 (C-15RM) PM-471 (C-20RM)	PM-470 (C-15RM) PM-471 (C-20RM)	PM-470 (C-15RM) PM-471 (C-20RM)	PM-470 (C-15RM) PM-471 (C-20RM)

C-15, C-20 ELECTRO HYDRAULIC LAYOUT



WALTCO
TRUCK EQUIPMENT CO.
C-SERIES

REVISED: 11-91

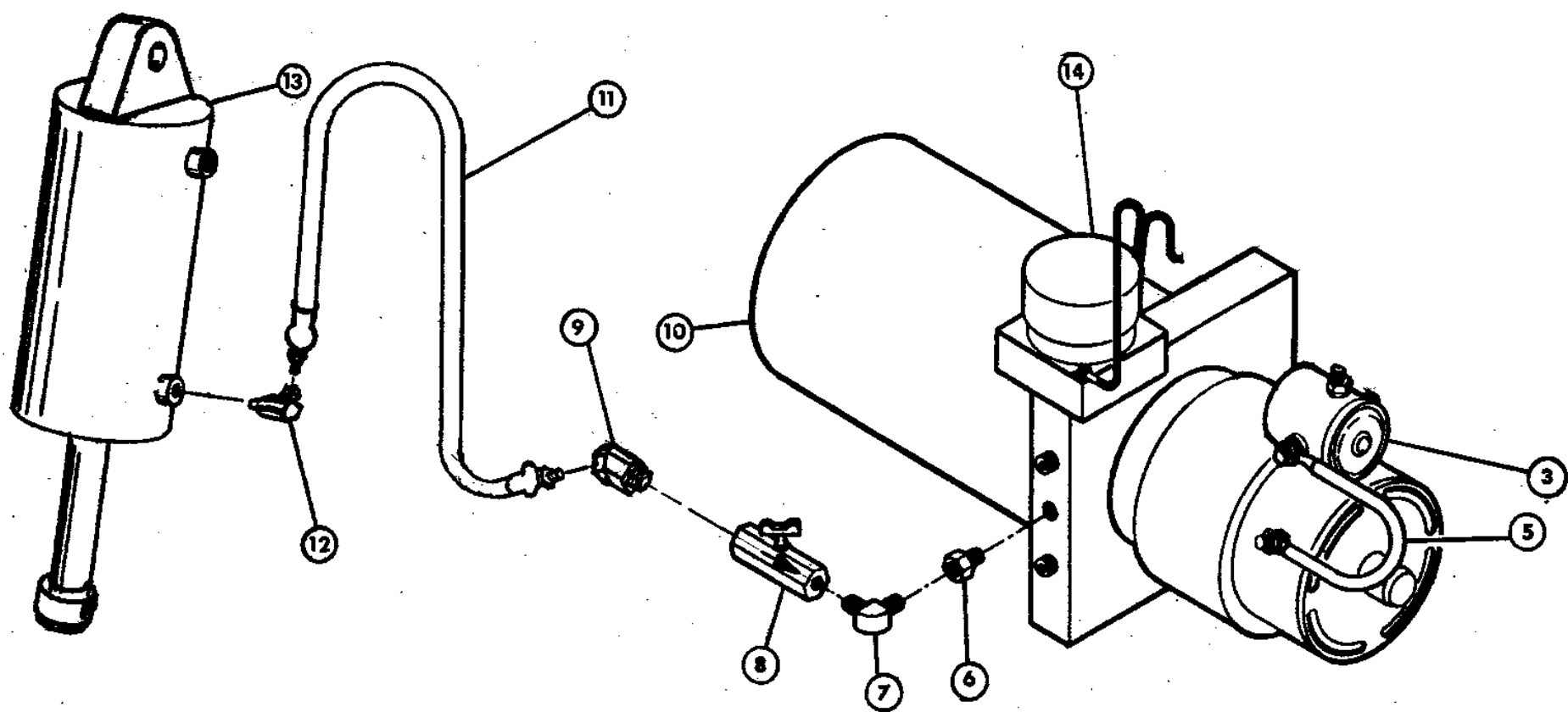
PM-26

ITEM	PART NUMBER	QTY	DESCRIPTION
1	22195000 *♦	1	Hydraulic Pump Unit (Fenner Stone)
	22195050 *♦		Hydraulic Pump Unit (Monarch)
2	75089327	1	Rubber Boot
3	75085005	1	3/8"-16 Hex Nut Serrated
4	20294002	1	Valve Handle
5	22195200	1	Weather Cover
6	75083035	1	3/8" Male x 1/4" Female 90° Elbow
7	70091270	1	Pump Breather Cap
8	10195625	1	4 Ga. x 25 Ft. Battery Cable
9	75083056	1	1/4" I.D. x 34" Hose Assembly
10	20220900	1	Pump Mounting Bracket
11	75088081	2	3/8" Lock Washer
12	75086055	2	3/8"-16 x 3/4" Hex Head Screw
13	22180050	1	Hydraulic Cylinder (C-15 Only)
	22280050		Hydraulic Cylinder (C-20 Only)
14	75089315	1	Cylinder Breather Cap
15	75083031	1	1/4" x 90° Elbow

NOTES:

- * Refer to Model & Serial Number on Pump Reservoir when ordering replacement parts or a new Pump.
- ♦ When ordering a complete replacement pump. Please use Part Number 70400300

HYDRAULIC LAYOUT FOR ELECTRIC CONTROL



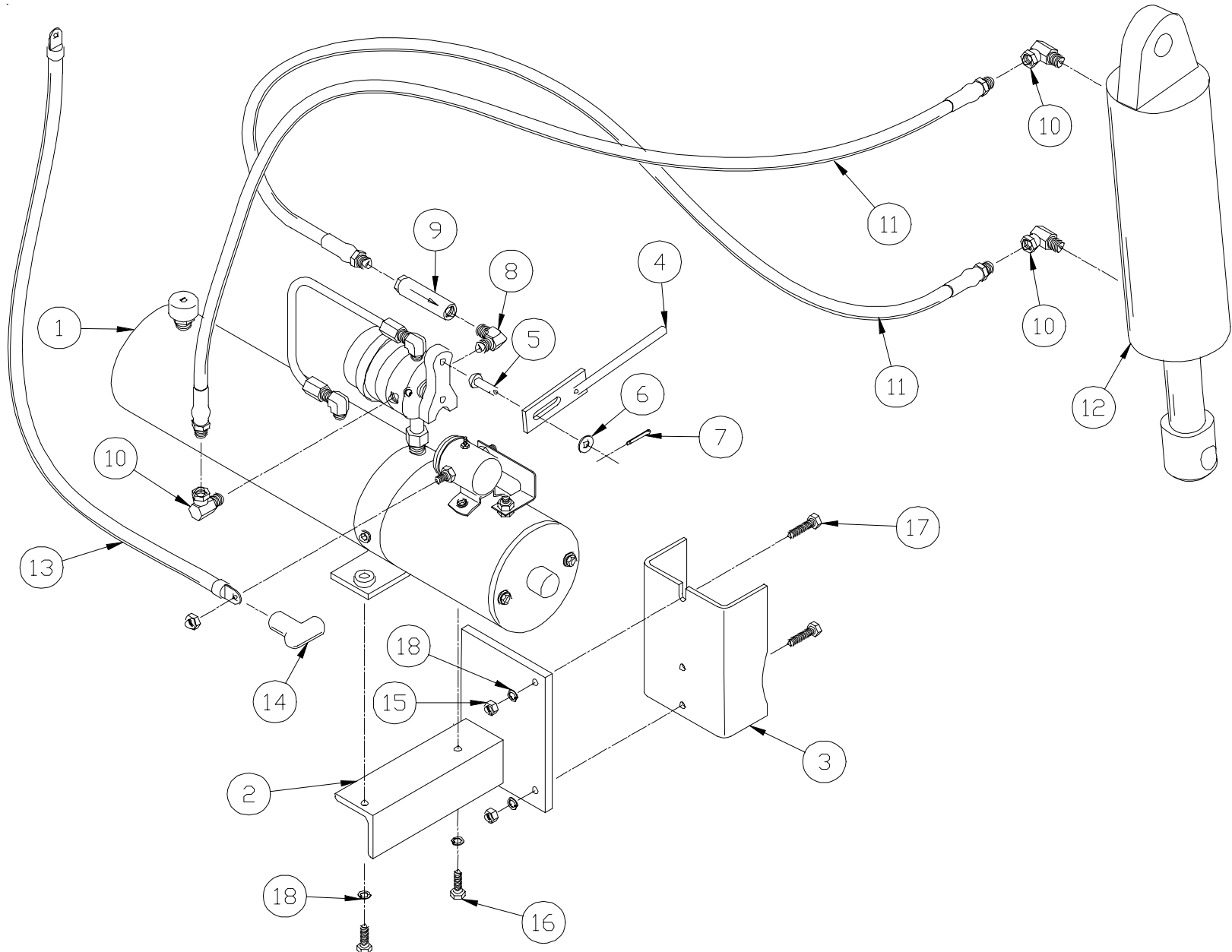
WALTCO
TRUCK EQUIPMENT CO.
C & LD Series

REVISED: 5-93

80100131

ITEM	PART NUMBER	QTY	DESCRIPTION
3	75089822	1	Solenoid
5	10195500	1	Cable Assembly
6	75082908	1	Adapter
7	75082611	1	90° Elbow
8	70189860	1	Pneutrol Valve
9	75083016	1	45° Swivel Elbow
10	30195000	1	Hydraulic Pump Unit
11	75083056	1	Hose Assembly
12	75083031	1	90° Swivel Elbow
13	22180050	1	Hydraulic Cylinder Assembly
	22280050	1	Hydraulic Cylinder Assembly (C-20 Only)
14	70091631	1	Release Solenoid

C-SERIES POWER DOWN ELECTRO HYDRAULIC LAYOUT



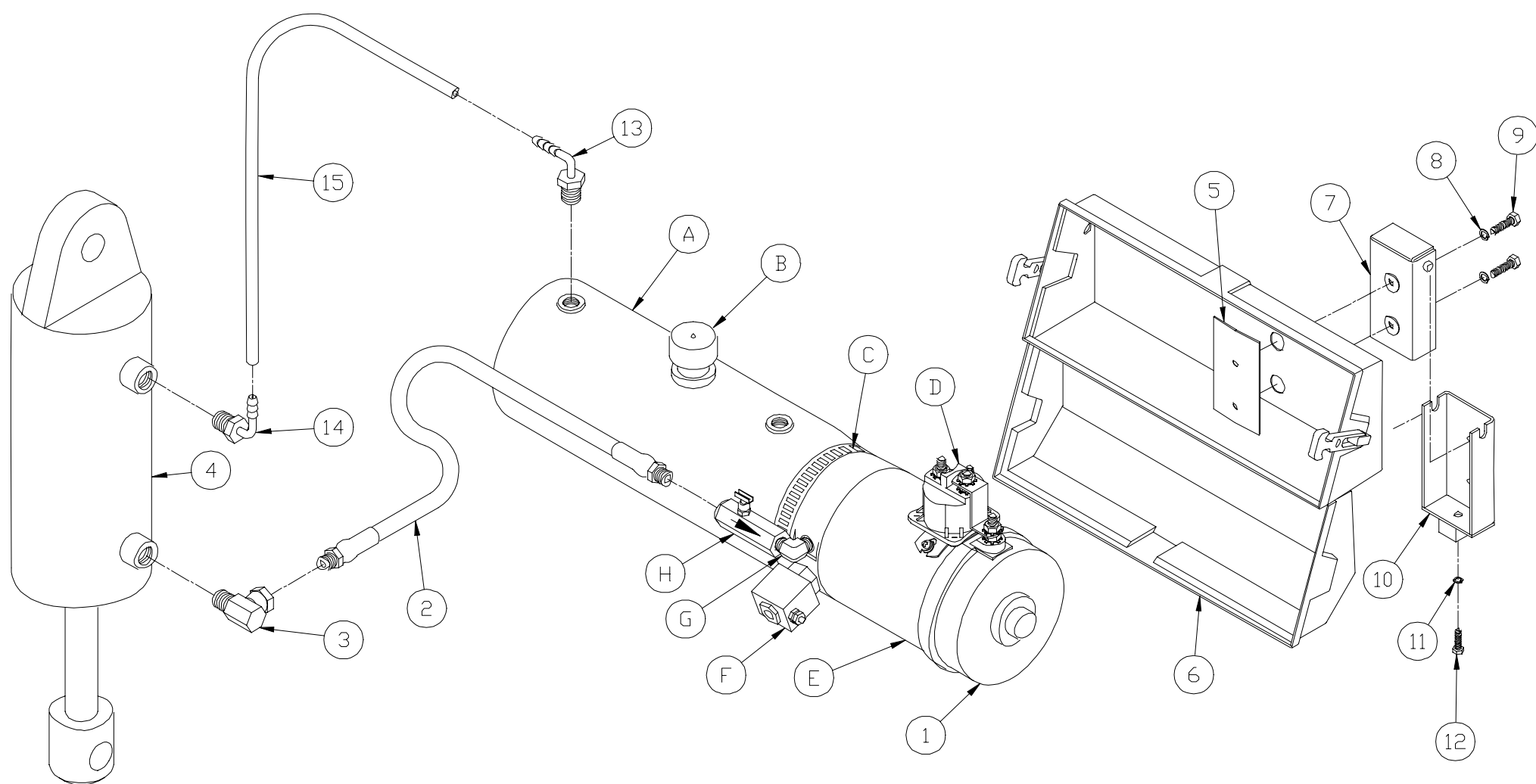
WALTCO
TRUCK EQUIPMENT CO.
C-SERIES

REVISED: 5-93

PM-272

ITEM	PART NUMBER	QTY	DESCRIPTION
1	20295000	1	Pump Unit, Power Down
2	20221002	1	Pump Bracket Adapter
3	20220900	1	Pump Bracket
4	20291501	1	Slide Assembly
5	75089531	1	5/16" DIA. x 23/32" Clevis Pin
6	75088052	1	5/16" Flat Washer
7	75084053	1	3/32" DIA x 1" Cotter Pin
8	75082611	1	1/4" NPT x 90° Elbow
9	70110040	1	Flow Control Valve
10	75083031	3	1/4" NPT x 90° Swivel Elbow
11	75083056	2	1/4" I.D. x 34" Hose Assembly
12	22180050	1	Hydraulic Cylinder (C-15 Only)
	22280050	1	Hydraulic Cylinder (C-20 Only)
13	10195625	1	4 GA. x 25 FT. Battery Cable
14	75089327	1	Rubber Boot
15	75085005	2	3/8"-16 Hex Nut
16	75086055	2	3/8"-16 x 3/4" Hex Bolt Gr 5
17	75086058	2	3/8"-16 x 1-1/2" Hex Bolt Gr 5
18	75088081	4	3/8" Lock Washer

ELECTRIC CONTROLS, ELECTROPAK®



WALTCO
TRUCK EQUIPMENT CO.
C-SERIES and LD-SERIES

REVISED:
E.O.
REV.

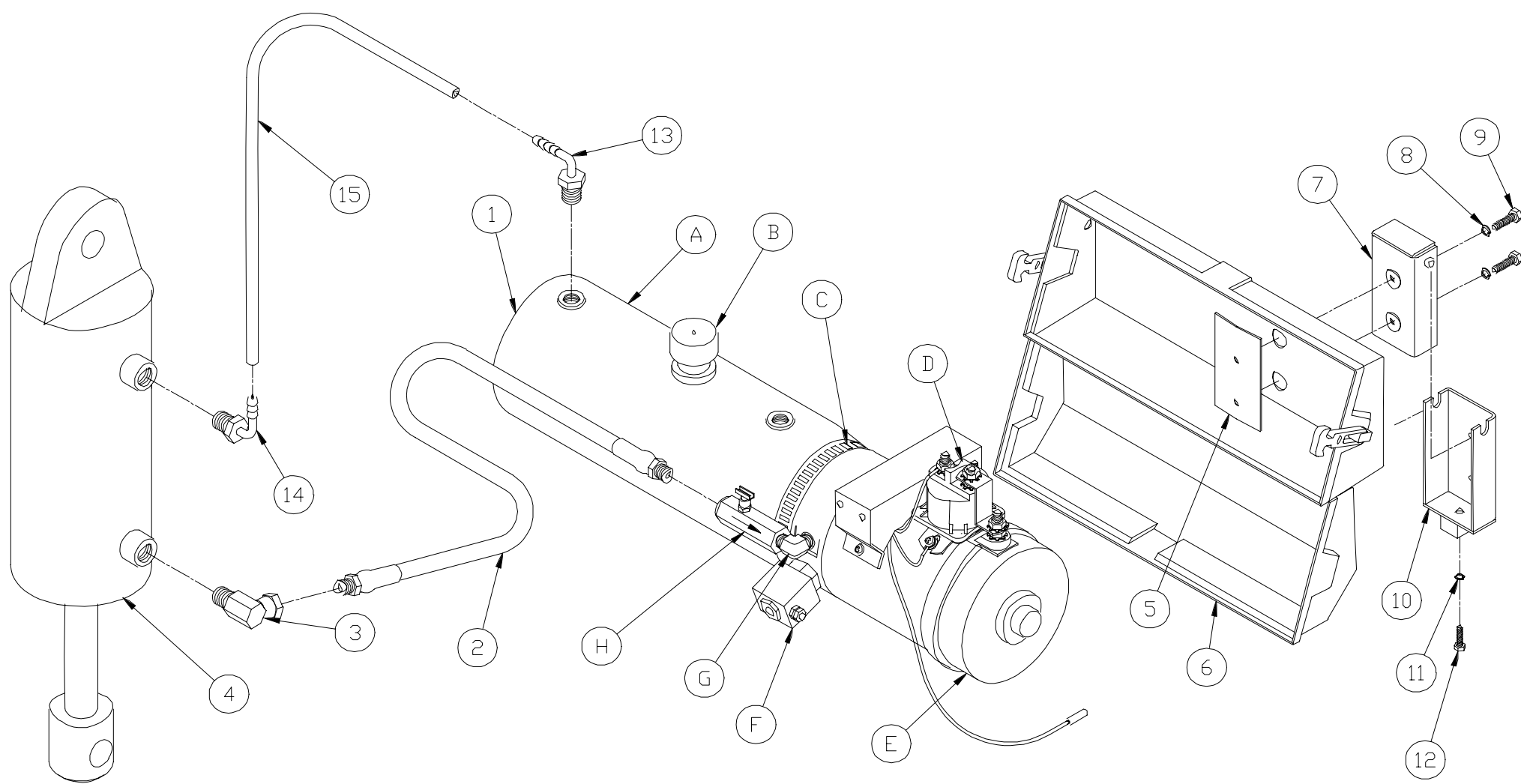
12-1-03
5221
01

PM-336A

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400000	1	Hydraulic Pump Unit
*A	70400001	1	Hydraulic Reservoir
*B	70091734	1	Breather
*C	70400002	1	Reservoir Clamp
*D	75089831	1	Solenoid only
	75092531		Solenoid with Cable
*E	70092359	1	Motor
*F	70400003	1	Release Valve
*G	75082611	1	90° Male Elbow
*H	70189860	1	Flow Control Valve
2	75083061	1	Hose Assembly
3	75083031	1	90° Swivel Elbow
4	22180050	1	Hydraulic Cylinder
	22280050		Hydraulic Cylinder (C-20 Only)
5	10021400	1	Pump Bracket Plate
6	10090500	1	Pump Cover Assembly
7	10021000	1	Pump Mounting Bracket
8	75088081	2	3/8" Lock Washer
9	75086056	2	Hex Bolt 3/8"-16 x 1" LG. Grade 5
10	10021500	1	Pump Mounting Bracket
11	75088083	1	1/2" Lock Washer
12	75086108	1	Hex Bolt 1/2"-13 x 1-1/2" LG. Grade 2

These parts included in 70400000 Assembly
Parts 1, 5-9 included in 10090800 Assembly

ELECTRIC CONTROLS, THERMALPAK® WITH VOLTAGE GUARD™



WALTCO
TRUCK EQUIPMENT CO.
C-SERIES

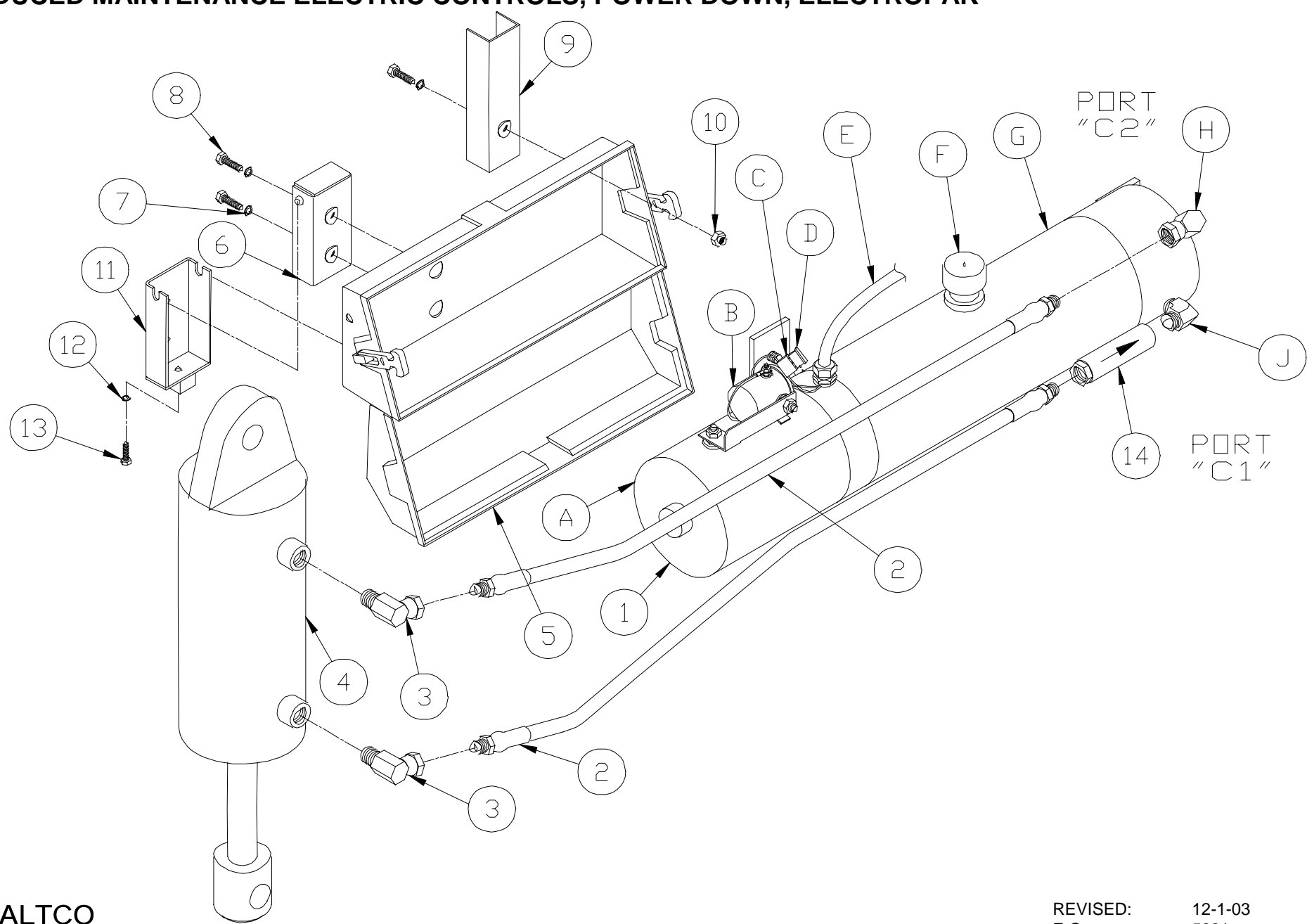
REVISED: 12-1-03
E.O. 5221
REV. 01

PM-430A

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400700 ^K	1	Hydraulic Pump Unit
*A	70400001 ^J	1	Hydraulic Reservoir
*B	70091734 ^J	1	Breather
*C	70400002 ^J	1	Reservoir Clamp
*D	75089831 ^J	1	Solenoid
*E	70400854 ^J	1	Motor, Thermalpak® with Voltage Guard™
*F	70400003 ^J	1	Release Valve
*G	75082611 ^J	1	90° Male Elbow
*H	70189860 ^J	1	Flow Control Valve
2	75083061	1	Hose Assembly
3	75083031	1	90° Swivel Elbow
4	22180050	1	Hydraulic Cylinder (C-15 Only)
	22280050		Hydraulic Cylinder (C-20 Only)
5	10021400 ^K	1	Pump Bracket Plate
6	10090500 ^K	1	Pump Cover Assembly
7	10021000 ^K	1	Pump Mounting Bracket
8	75088081 ^K	2	3/8" Lock Washer
9	75086056 ^K	2	Hex Bolt, 3/8"-16 x 1" lg. Grade 5
10	10021500	1	Pump Mounting Bracket
11	75088083	1	1/2" Lock Washer
12	75086108	1	Hex Bolt, 1/2"-13 x 1-1/2" LG. Grade 2
13	75082742 ^{L M}	1	Barbed Fitting, 3/8" NPTF x 1/4" 90°
14	75082745 ^{L M}	1	Barbed Fitting, 1/4" NPTF x 1/4" 90°
15	26299500 ^{L M}	1	Hose, 1/4" I.D. x 60" lg.

^J Included in 70400700 Replacement Assembly
^K Included in 10091800 Replacement Hydraulic Assembly

REDUCED MAINTENANCE ELECTRIC CONTROLS, POWER DOWN, ELECTROPAK



WALTCO
TRUCK EQUIPMENT CO.
C-SERIES

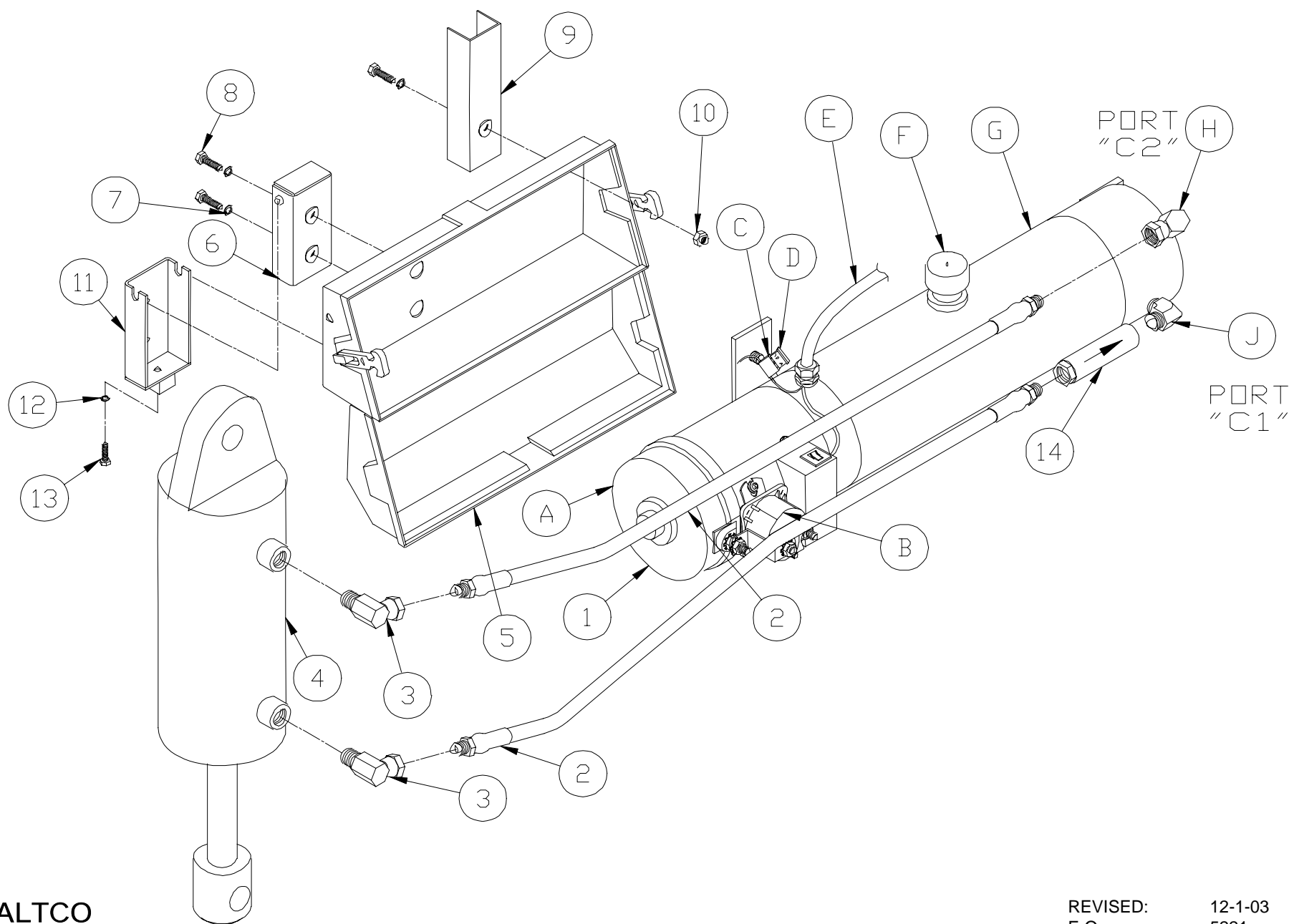
REVISED: 12-1-03
E.O. 5221
REV. 01

PM-342A

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400025	1	Hydraulic Pump Unit
*A	70091739		Motor
*B	75089822	1	Solenoid
*C	75089850	1	Fuse Holder
*D	75089852	1	20 AMP Fuse
*E	70400026	1	Control Cord
*F	70091734	1	Breather
*G	70400027	1	Hydraulic Reservoir
*H	75083031	1	90° Swivel Elbow
*J	75082611	1	90° Male Elbow
2	75083061	2	Hose Assembly
3	75083031	2	45° Swivel Elbow
4	22180050	1	Hydraulic Cylinder (C-15 Only)
	22280050		Hydraulic Cylinder (C-20 Only)
5	10090500	1	Pump Cover Assembly
6	10021000	1	Pump Mounting Bracket
7	75088081	3	3/8" Lock Washer
8	75086056	3	Hex Bolt 3/8"-16 x 1" LG. Grade 5
9	10022000	1	Pump Mounting Bracket Channel
10	75085193	1	Flex Nut 3/8"-16
11	10021500	1	Pump Mounting Bracket
12	75088083	1	1/2" Lock Washer
13	75086108	1	Hex Bolt 1/2"-13 x 1-1/2" LG. Grade 2
14	70110040	1	Flow Control Valve

These parts included in 70400025 Assembly.
Parts 1, 5-10 included in 10090900 Hydraulic Assembly

C-SERIES POWER DOWN HYDRAULIC LAYOUT - Thermalpak



WALTCO
TRUCK EQUIPMENT CO.
C-15, C-20

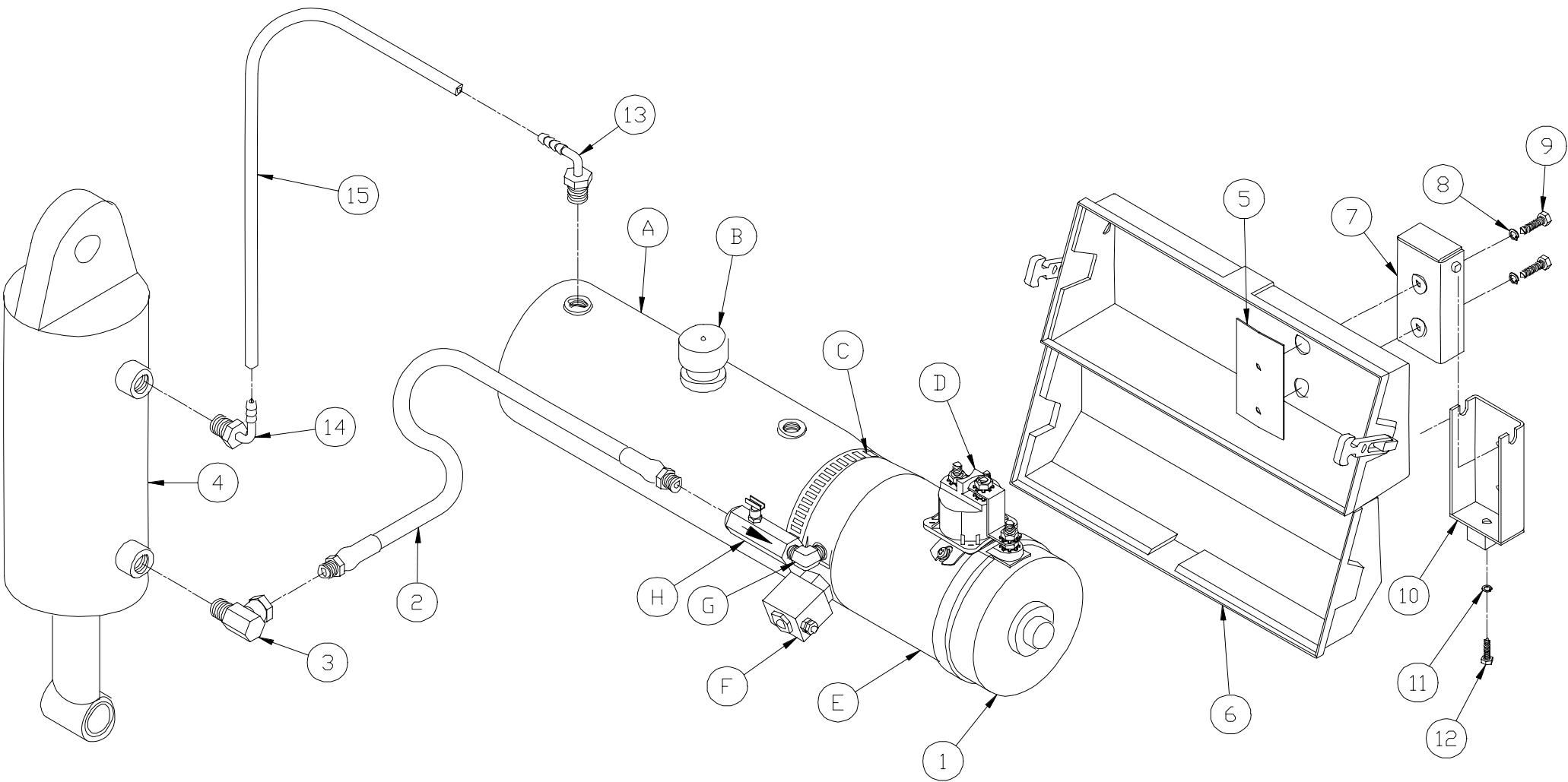
REVISED: 12-1-03
E.O. 5221
REV. 01

PM-431A

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400725	1	Hydraulic Pump Unit
*A	70400851	1	Motor W/Reset Switch
*B	75089831	1	Solenoid
*C	75089850	1	Fuse Holder
*D	75089852	1	20 AMP Fuse
*E	70400026	1	Control Cord
*F	70091734	1	Breather
*G	70400027	1	Hydraulic Reservoir
*H	75083031	1	90° Swivel Elbow
*J	75082611	1	90° Male Elbow
2	75083061	2	Hose Assembly
3	75083031	2	45° Swivel Elbow
4	22180010	1	Hydraulic Cylinder (C-15RM Only)
	22280010	1	Hydraulic Cylinder (C-20RM Only)
5	10090500	1	Pump Cover Assembly
6	10021000	1	Pump Mounting Bracket
7	75088081	3	3/8" Lock Washer
8	75086056	3	Hex Bolt 3/8"-16 x 1" LG. Grade 5
9	10022000	1	Pump Mounting Bracket Channel
10	75085193	1	Flex Nut 3/8"-16
11	10021500	1	Pump Mounting Bracket
12	75088083	1	1/2" Lock Washer
13	75086108	1	Hex Bolt 1/2"-13 x 1-1/2" LG. Grade 2
14	70110040	1	Flow Control Valve

* These parts included in 70400000 Assembly
Parts 1,5-9 Included in 10090800 Hydraulic Assembly

C-15RM, C-20RM ELECTRIC CONTROLS ELECTROPAK



WALTCO
TRUCK EQUIPMENT CO.
C-15RM, C-20RM

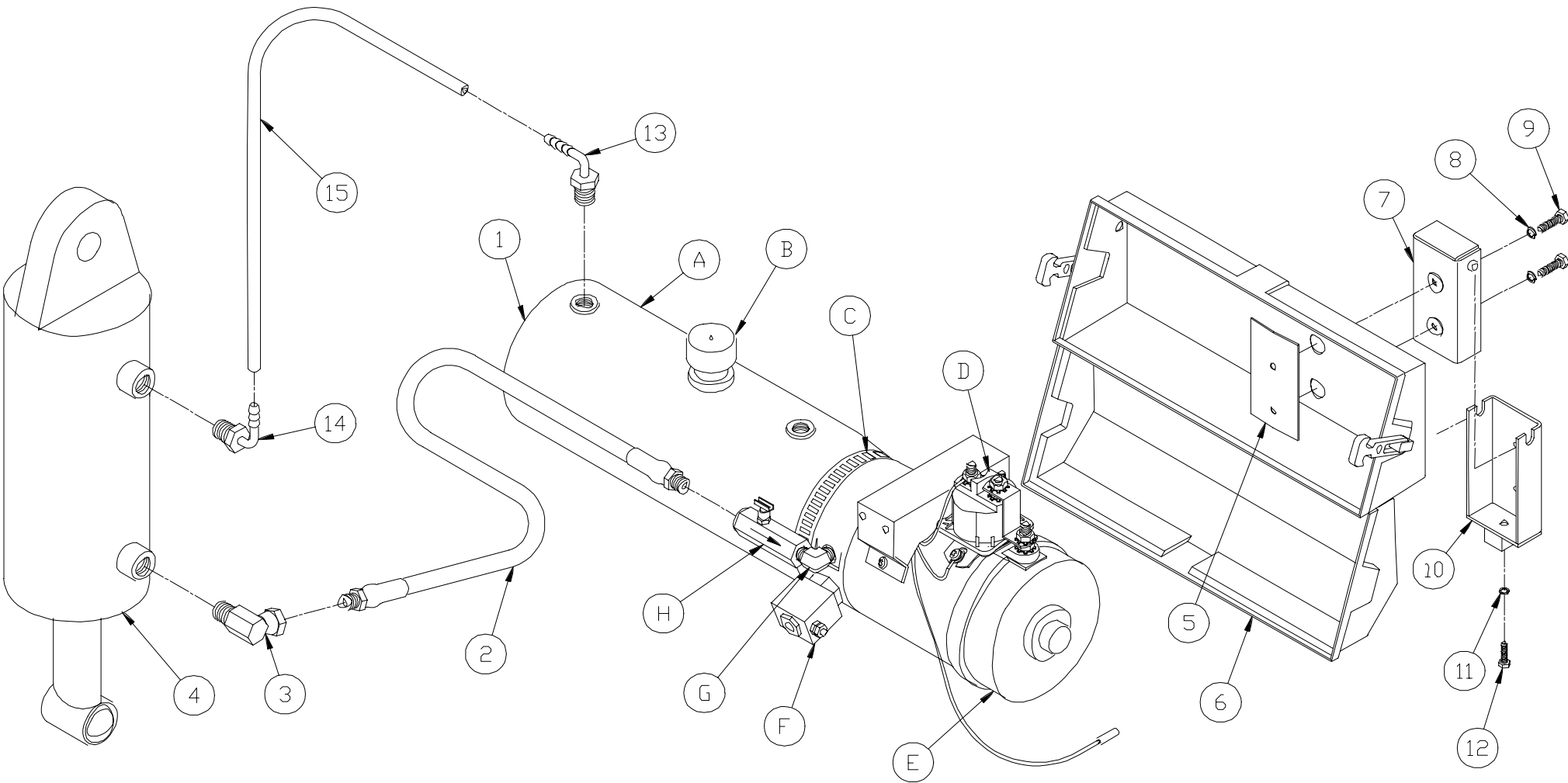
REVISED: 10-98
E.O. 3744
REV. 02

PM-437

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400000	1	Hydraulic Pump Unit
*A	70400001	1	Hydraulic Reservoir
*B	70091734	1	Breather
*C	70400002	1	Reservoir Clamp
*D	75089822	1	Solenoid
*E	70092359	1	Motor
*F	70400003	1	Release Valve
*G	75082611	1	90° Male Elbow
*H	70189860	1	Flow Control Valve
2	75083061	1	Hose Assembly
3	75083031	1	90° Swivel Elbow
4	22180010	1	Hydraulic Cylinder (C-15RM Only)
	22280010	1	Hydraulic Cylinder (C-20RM Only)
5	10021400	1	Pump Bracket Plate
6	10090500	1	Pump Cover Assembly
7	10021000	1	Pump Mounting Bracket
8	75088081	2	3/8" Lock Washer
9	75086056	2	Hex Bolt 3/8"-16 x 1" LG. Grade 5
10	10021500	1	Pump Mounting Bracket
11	75088083	1	1/2" Lock Washer
12	75086108	1	Hex Bolt 1/2"-13 x 1-1/2" LG. Grade 2
13	75082742	1	Barbed Fitting 3/8" NPTF x 1/4" 90°
14	75082745	1	Barbed Fitting 1/4" NPTF x 1/4" 90°
15	26299500	1	Hose 1/4" I.D. x 60" lg.

*These parts included in 70400000 Assembly
Parts 1,5-9 Included in 10090800 Hydraulic Assembly

ELECTRIC CONTROLS, THERMALPAK® WITH VOLTAGE GUARD™



WALTCO
TRUCK EQUIPMENT CO.
C-SERIES

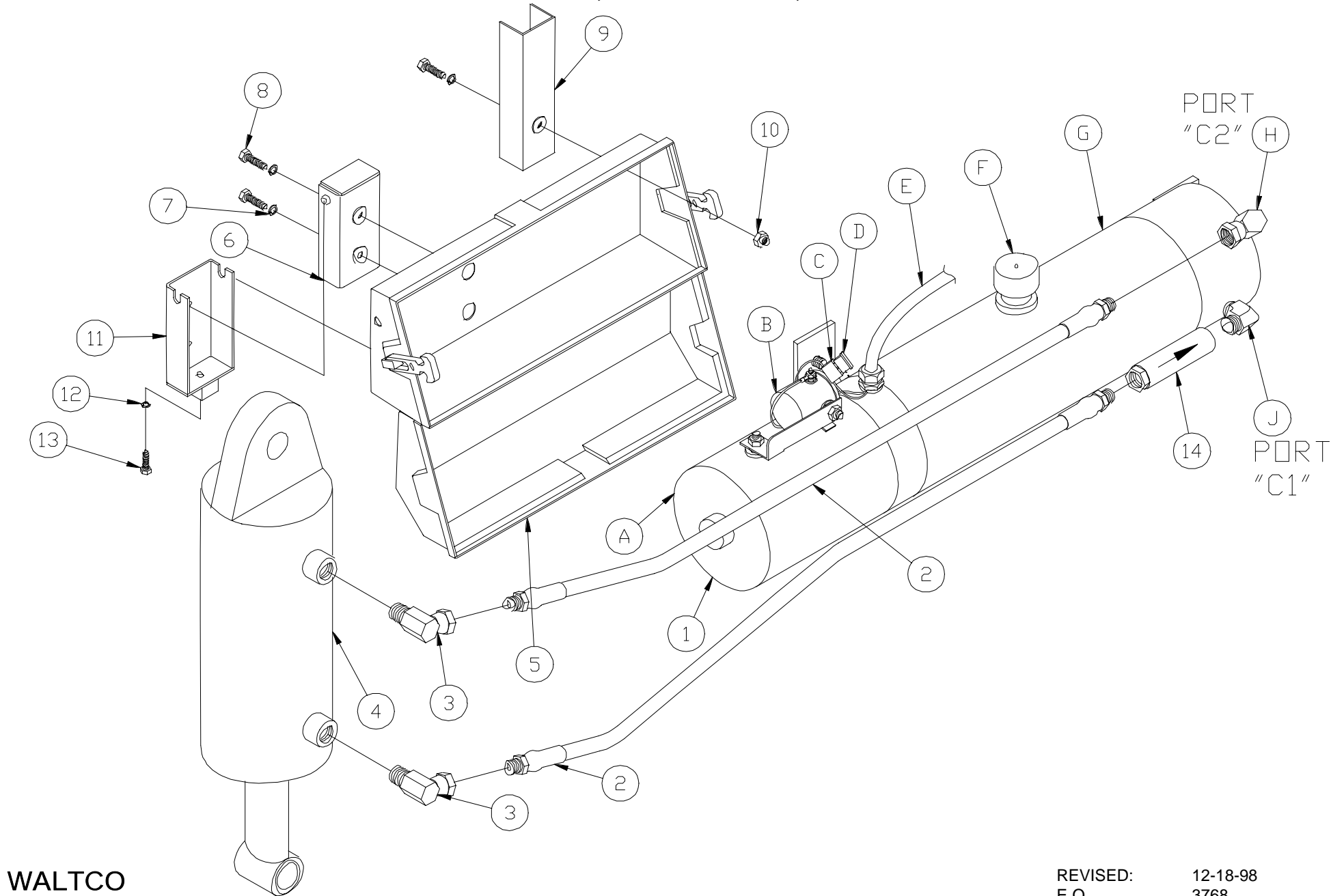
REVISED: 9-28-01
E.O. 4585
REV. 05

PM-430

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400700 ^K	1	Hydraulic Pump Unit
*A	70400001 ^J	1	Hydraulic Reservoir
*B	70091734 ^J	1	Breather
*C	70400002 ^J	1	Reservoir Clamp
*D	75089831 ^J	1	Solenoid
*E	70400854 ^J	1	Motor, Thermalpak® with Voltage Guard™
*F	70400003 ^J	1	Release Valve
*G	75082611 ^J	1	90° Male Elbow
*H	70189860 ^J	1	Flow Control Valve
2	75083061	1	Hose Assembly
3	75083031	1	90° Swivel Elbow
4	22180010 ^L	1	Hydraulic Cylinder (C-15RM Only)
	22280010 ^B		Hydraulic Cylinder (C-20RM Only)
5	10021400 ^K	1	Pump Bracket Plate
6	10090500 ^K	1	Pump Cover Assembly
7	10021000 ^K	1	Pump Mounting Bracket
8	75088081 ^K	2	3/8" Lock Washer
9	75086056 ^K	2	Hex Bolt, 3/8"-16 x 1" lg. Grade 5
10	10021500	1	Pump Mounting Bracket
11	75088083	1	1/2" Lock Washer
12	75086108	1	Hex Bolt, 1/2"-13 x 1-1/2" LG. Grade 2
13	75082742 ^{L M}	1	Barbed Fitting, 3/8" NPTF x 1/4" 90°
14	75082745 ^{L M}	1	Barbed Fitting, 1/4" NPTF x 1/4" 90°
15	26299500 ^{L M}	1	Hose, 1/4" I.D. x 60" lg.

^J Included in 70400700 Replacement Assembly
^K Included in 10091800 Replacement Hydraulic Assembly
^L Included in Cylinder Replacement Kit 80000937.
^M Included in Cylinder Replacement Kit 80000938.

REDUCED MAINTENANCE ELECTRIC CONTROLS, POWER DOWN, ELECTROPAK



WALTCO
TRUCK EQUIPMENT CO.
C-SERIES

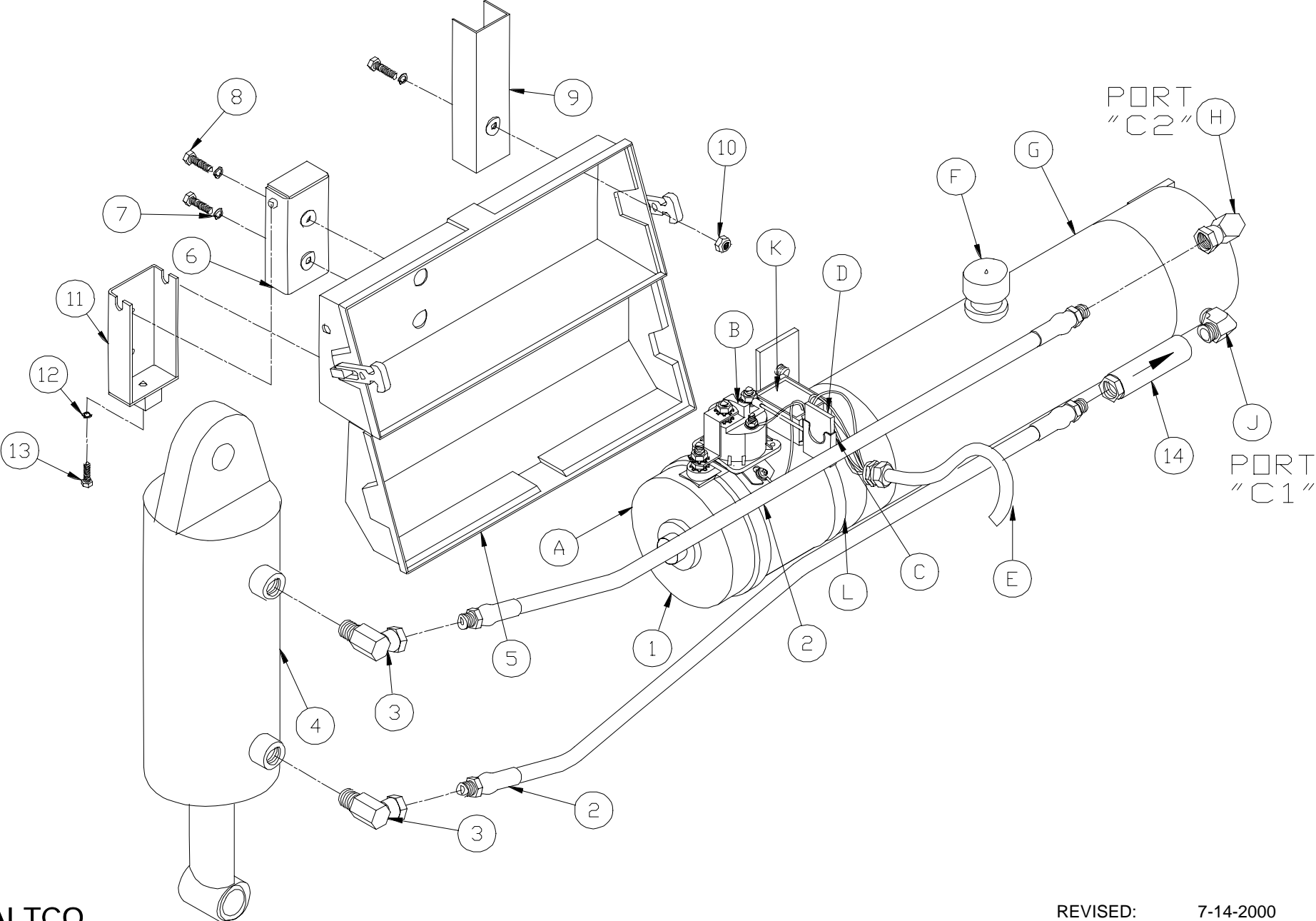
REVISED: 12-18-98
E.O. 3768
REV. 03

PM-342

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400025	1	Hydraulic Pump Unit
*A	70091739		Motor
*B	75089822	1	Solenoid
*C	75089850	1	Fuse Holder
*D	75089852	1	20 AMP Fuse
*E	70400026	1	Control Cord
*F	70091734	1	Breather
*G	70400027	1	Hydraulic Reservoir
*H	75083031	1	90° Swivel Elbow
*J	75082611	1	90° Male Elbow
2	75083061	2	Hose Assembly
3	75083031	2	45° Swivel Elbow
4	22180010	1	Hydraulic Cylinder (C-15RM Only)
	22280010		Hydraulic Cylinder (C-20RM Only)
5	10090500	1	Pump Cover Assembly
6	10021000	1	Pump Mounting Bracket
7	75088081	3	3/8" Lock Washer
8	75086056	3	Hex Bolt 3/8"-16 x 1" LG. Grade 5
9	10022000	1	Pump Mounting Bracket Channel
10	75085193	1	Flex Nut 3/8"-16
11	10021500	1	Pump Mounting Bracket
12	75088083	1	1/2" Lock Washer
13	75086108	1	Hex Bolt 1/2"-13 x 1-1/2" LG. Grade 2
14	70110040	1	Flow Control Valve

These parts included in 70400025 Assembly.
Parts 1, 5-10 included in 10090900 Hydraulic Assembly

C-SERIES, REMOTELY MOUNTED, ELECTRIC CONTROLS,
REDUCED MAINTENANCE, POWER DOWN ELECTROPAK



WALTCO
TRUCK EQUIPMENT CO.
C SERIES

REVISED: 7-14-2000
E.O. 4239
REV. 02

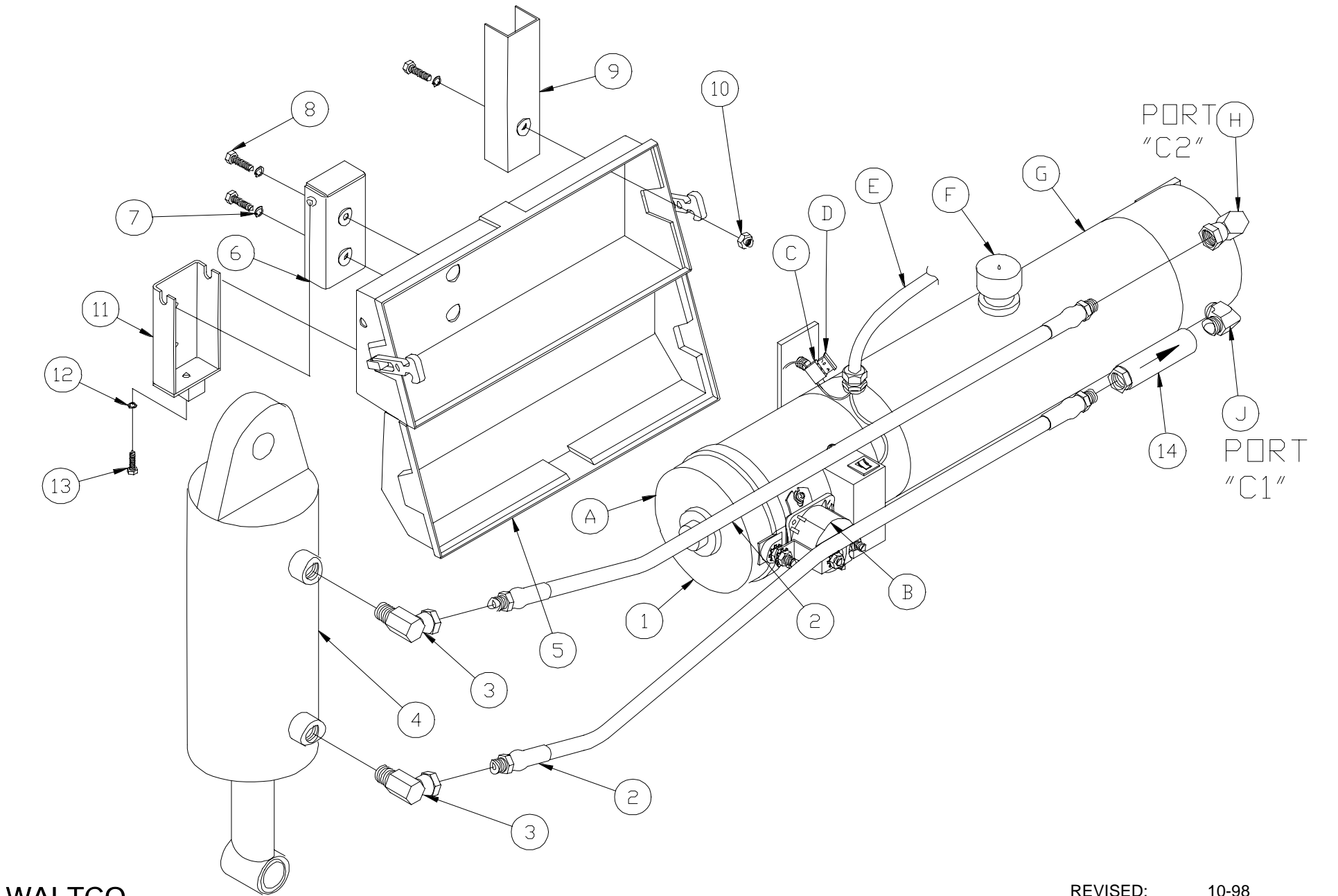
PM-492

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400025	1	Hydraulic Pump Unit
*A	70091739		Motor
*B	75089822	1	Solenoid
*C	75089850	1	Fuse Holder
*D	75089853	1	5 AMP Fuse
*E	10098408	1	Control Cord
*F	70091734	1	Breather
*G	70400027	1	Hydraulic Reservoir
*H	75083031	1	90° Swivel Elbow
*J	75082611	1	90° Male Elbow
*K	10099303	1	Power Down Module 12 volt
	10099304		Power Down Module 24 volt
L	75090052	1	Hose Clamp Worm Drive
2	75083061	2	Hose Assembly
3	75083031	2	45° Swivel Elbow
4	22180010	1	Hydraulic Cylinder (C-15RM Only)
	22280010		Hydraulic Cylinder (C-20RM Only)
5	10090500	1	Pump Cover Assembly
6	10021000	1	Pump Mounting Bracket
7	75088081	3	3/8" Lock Washer
8	75086056	3	Hex Bolt 3/8"-16 x 1" LG. Grade 5
9	10022000	1	Pump Mounting Bracket Channel
10	75085193	1	Flex Nut 3/8"-16
11	10021500	1	Pump Mounting Bracket
12	75088083	1	1/2" Lock Washer
13	75086108	1	Hex Bolt 1/2"-13 x 1-1/2" LG. Grade 2
14	70110040	1	Flow Control Valve

* These parts included in 70400025 Pump Unit Assembly.

Items 1,5,6,7,8,9,10 included in 10090900 Hydraulic Power Unit Assembly

C-SERIES REDUCED MAINTENANCE POWER DOWN HYDRAULIC LAYOUT



WALTCO
TRUCK EQUIPMENT CO.
C-15RM, C-20RM

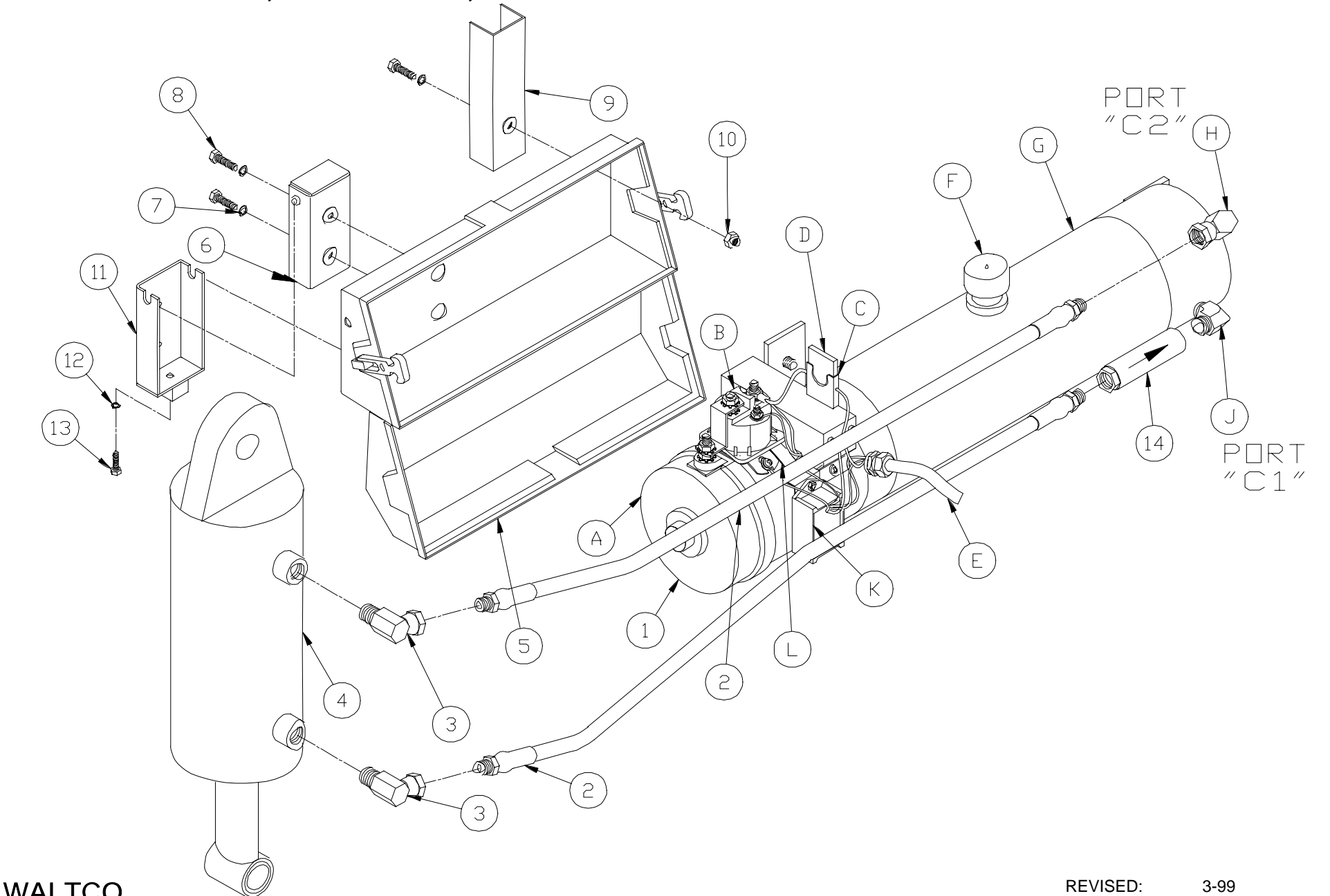
REVISED: 10-98
E.O. 3744
REV. 02

PM-431

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400725	1	Hydraulic Pump Unit
*A	70400851	1	Motor W/Reset Switch
*B	75089831	1	Solenoid
*C	75089850	1	Fuse Holder
*D	75089852	1	20 AMP Fuse
*E	70400026	1	Control Cord
*F	70091734	1	Breather
*G	70400027	1	Hydraulic Reservoir
*H	75083031	1	90° Swivel Elbow
*J	75082611	1	90° Male Elbow
2	75083061	2	Hose Assembly
3	75083031	2	45° Swivel Elbow
4	22180010	1	Hydraulic Cylinder (C-15RM Only)
	22280010	1	Hydraulic Cylinder (C-20RM Only)
5	10090500	1	Pump Cover Assembly
6	10021000	1	Pump Mounting Bracket
7	75088081	3	3/8" Lock Washer
8	75086056	3	Hex Bolt 3/8"-16 x 1" LG. Grade 5
9	10022000	1	Pump Mounting Bracket Channel
10	75085193	1	Flex Nut 3/8"-16
11	10021500	1	Pump Mounting Bracket
12	75088083	1	1/2" Lock Washer
13	75086108	1	Hex Bolt 1/2"-13 x 1-1/2" LG. Grade 2
14	70110040	1	Flow Control Valve

* These parts included in 70400000 Assembly
Parts 1,5-9 Included in 10090800 Hydraulic Assembly

ELECTRIC CONTROLS, POWER DOWN, THERMALPAK® WITH VOLTAGE GUARD™



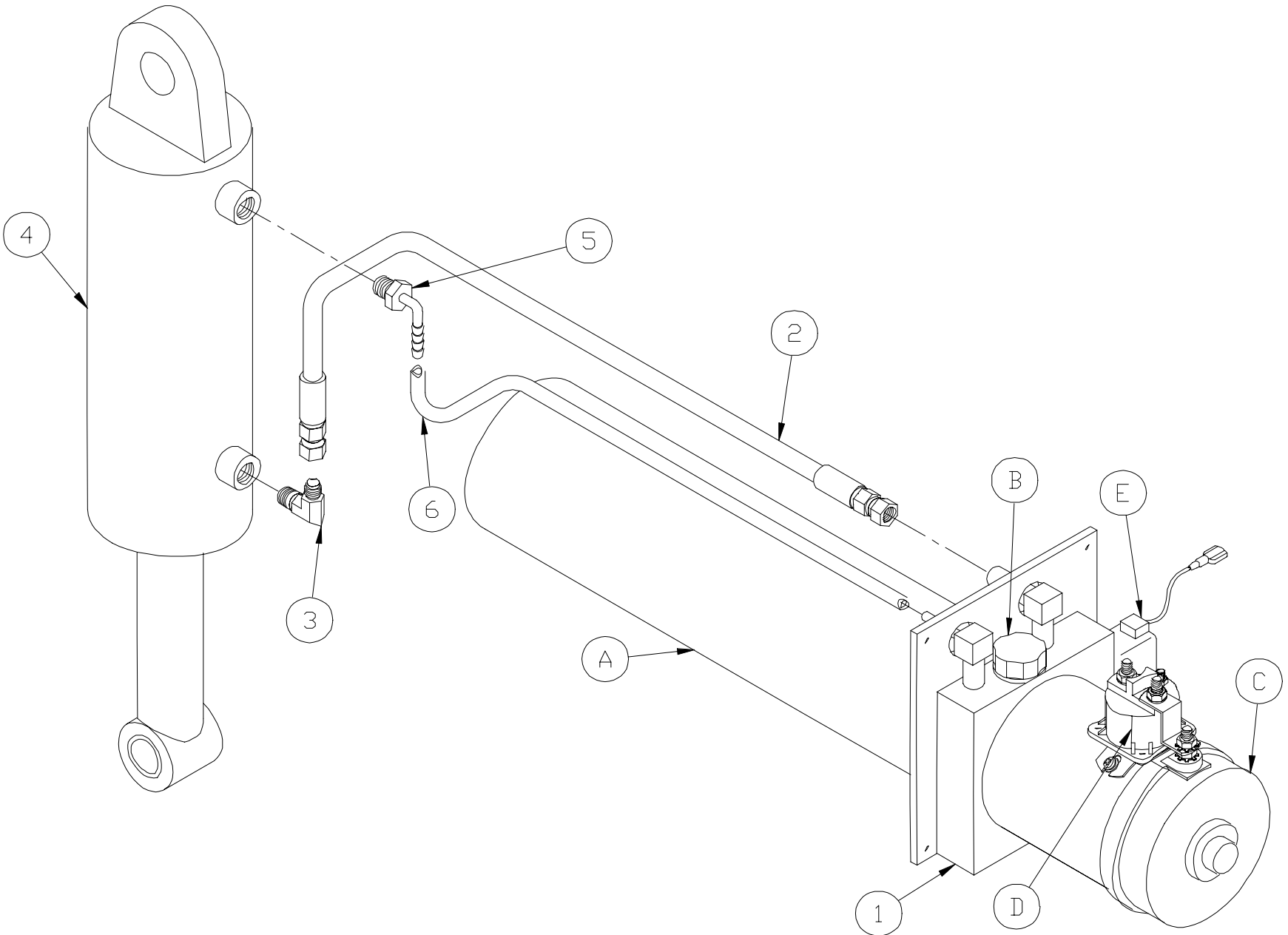
WALTCO
TRUCK EQUIPMENT CO.
C-SERIES

REVISED: 3-99
E.O. 3858
REV. 02

PM-493

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400725	1	Hydraulic Pump Unit
*A	70400855		Motor W/Reset Switch
*B	75089831	1	Solenoid
*C	75089850	1	Fuse Holder
*D	75089853	1	5 AMP Fuse
*E	10098408	1	Control Cord
*F	70091734	1	Breather
*G	70400027	1	Hydraulic Reservoir
*H	75083031	1	90 Swivel Elbow
*J	75082611	1	90 Male Elbow
*K	10099303	1	Power Down Module 12 volt
	10099304		Power Down Module 24 volt
	75090052	1	Hose Clamp Worm Drive
2	75083061	2	Hose Assembly
3	75083031	2	45 Swivel Elbow
4	22180010	1	Hydraulic Cylinder (C-15RM Only)
	22280010		Hydraulic Cylinder (C-20RM Only)
5	10090500	1	Pump Cover Assembly
6	10021000	1	Pump Mounting Bracket
7	75088081	3	3/8" Lock Washer
8	75086056	3	Hex Bolt 3/8"-16 x 1" LG. Grade 5
9	10022000	1	Pump Mounting Bracket Channel
10	75085193	1	Flex Nut 3/8"-16
11	10021500	1	Pump Mounting Bracket
12	75088083	1	1/2" Lock Washer
13	75086108	1	Hex Bolt 1/2"-13 x 1-1/2" LG. Grade 2
14	70110040	1	Flow Control Valve

HYDRAULIC LAYOUT, ELECTROPAK®



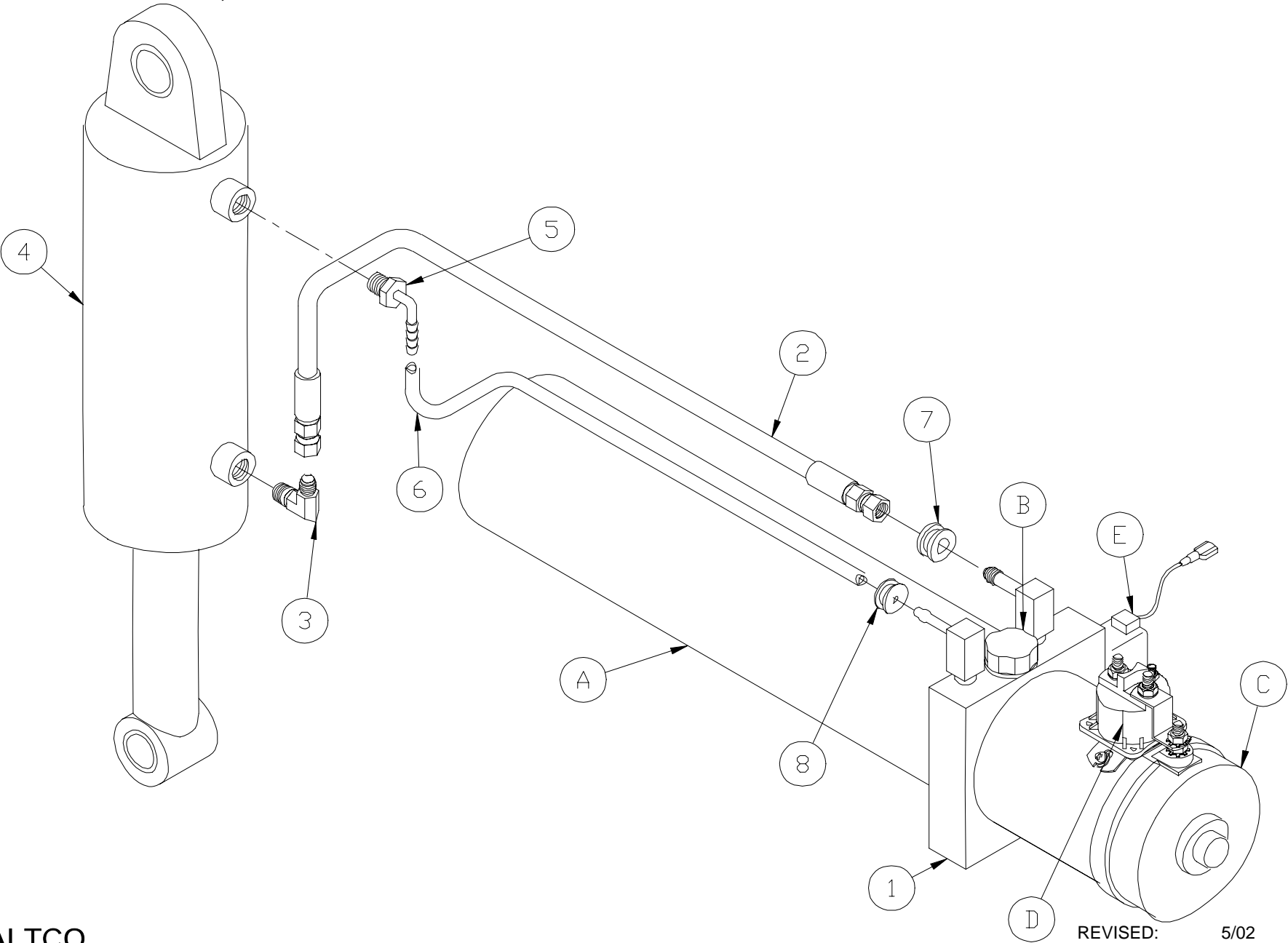
WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 10/12/01
E.O. 4594
REV. 03

PM-513

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401400	1	Hydraulic Pump Unit
A	70401456	1	Hydraulic Reservoir
B	70091734	1	Breather
C	70092359	1	Motor
D	75089822	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
2	75083200	1	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	1	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)
5	75082745	1	Barbed Fitting, 1/4" NPTF x 1/4", 90°
6	26299510	1	Hose, 1/4" I.D.

HYDRAULIC LAYOUT, ELECTROPAK®

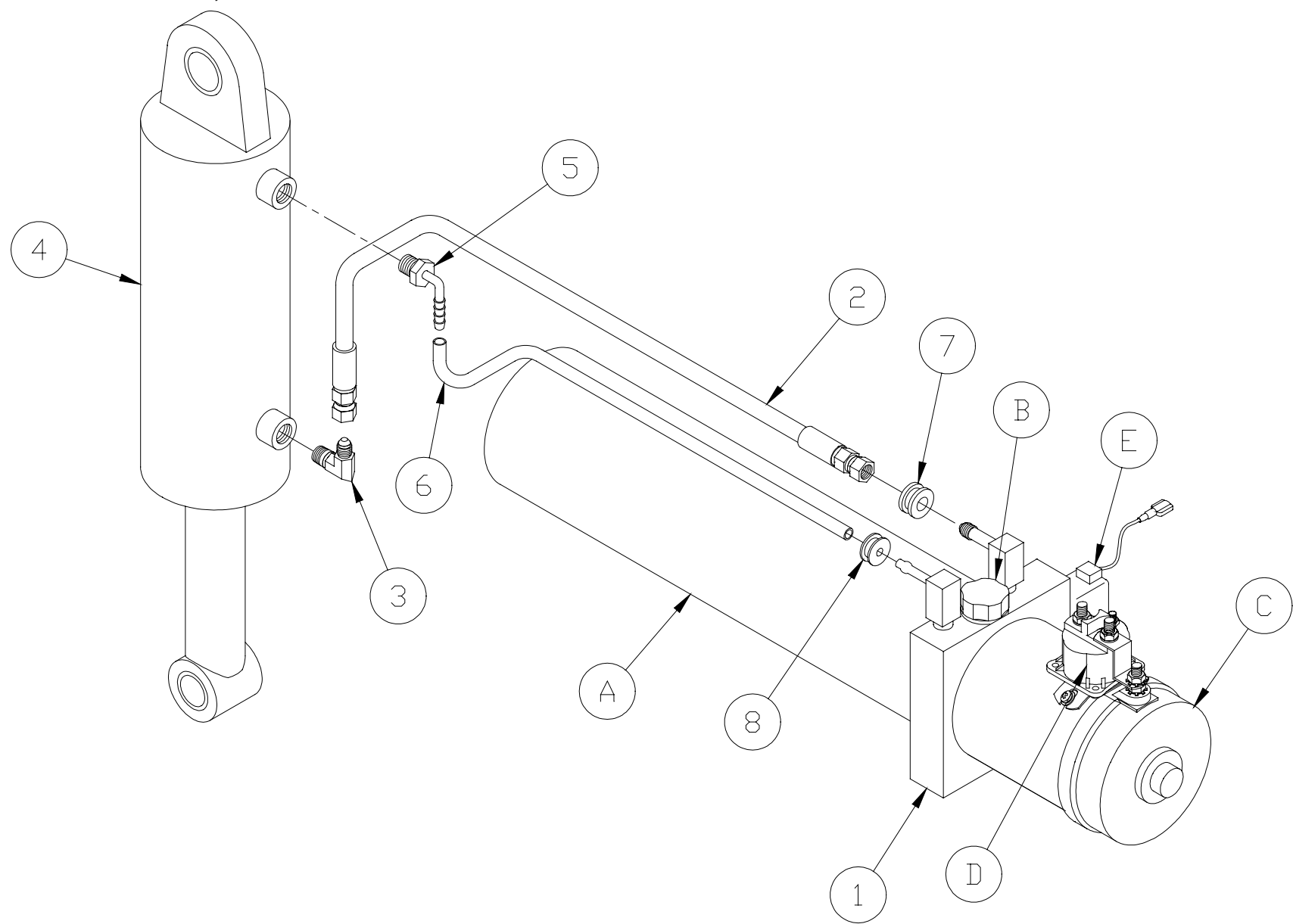


REVISED: 5/02
E.O. 4665
REV. 01

PM-570

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401700	1	Hydraulic Pump Unit
A	70401456	1	Hydraulic Reservoir
B	70091734	1	Breather
C	70092359	1	Motor
D	75089831	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
2	75083201	1	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	1	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)
5	75082745	1	Barbed Fitting, 1/4" NPTF x 1/4", 90°
6	26299500	1	Hose, 1/4" I.D.
7	70401408	1	7/16" I.D. Grommet
8	70401409	1	1/4" I.D. Grommet

HYDRAULIC LAYOUT, ELECTROPAK®



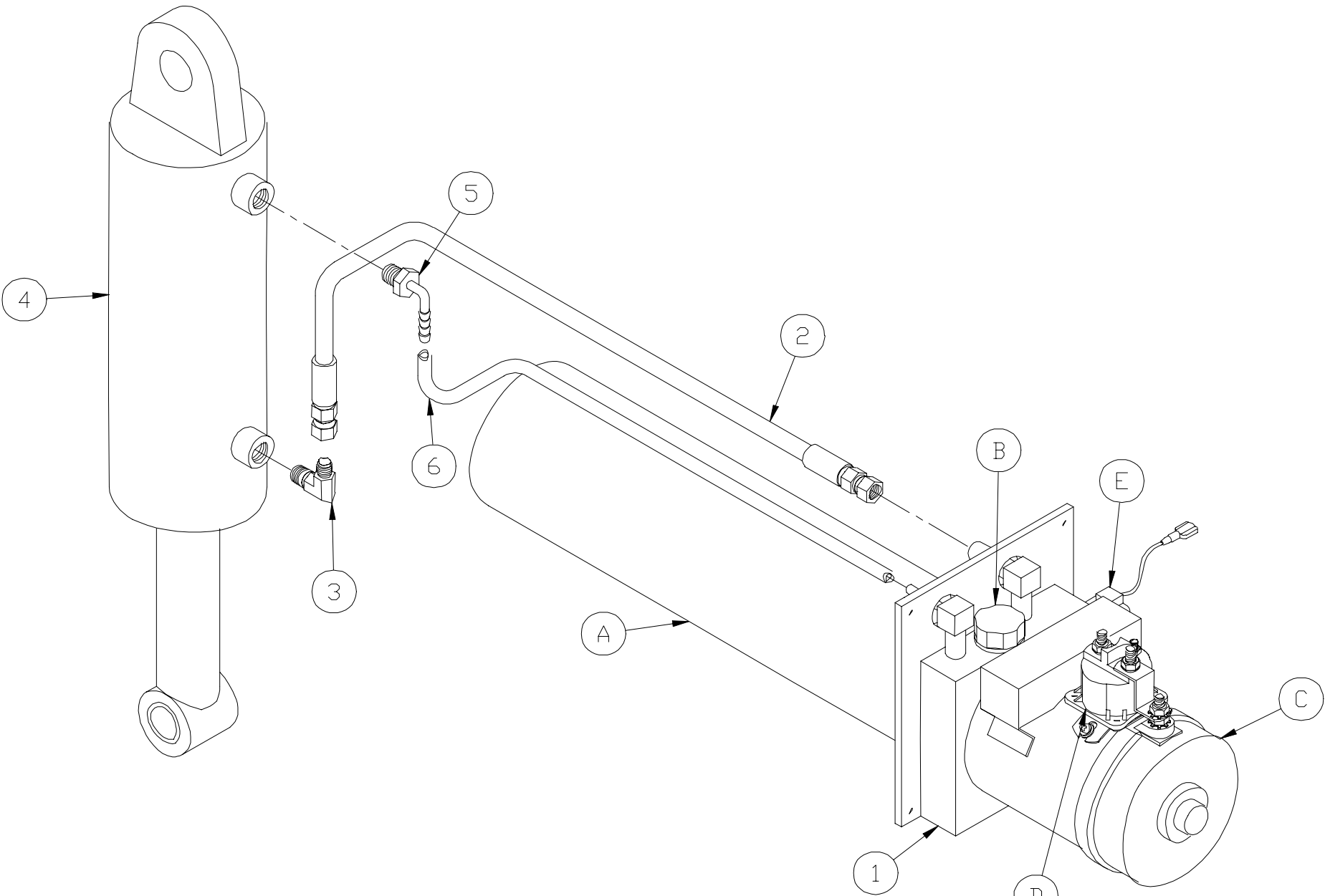
WALT**CO**
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 1-16-04
E.O. 5130
REV. 01

PM-621

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401900	1	Hydraulic Pump Unit
A	70400001	1	Hydraulic Reservoir
B	70400004	1	Breather
C	70092312	1	Motor
D	75089831	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
2	75083201	1	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	1	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)
5	75082745	1	Barbed Fitting, 1/4" NPTF x 1/4", 90°
6	26299500	1	Hose, 1/4" I.D.
7	70401408	1	7/16" I.D. Grommet
8	70401409	1	1/4" I.D. Grommet

HYDRAULIC LAYOUT, THERMALPAK® WITH VOLTAGE GUARD™



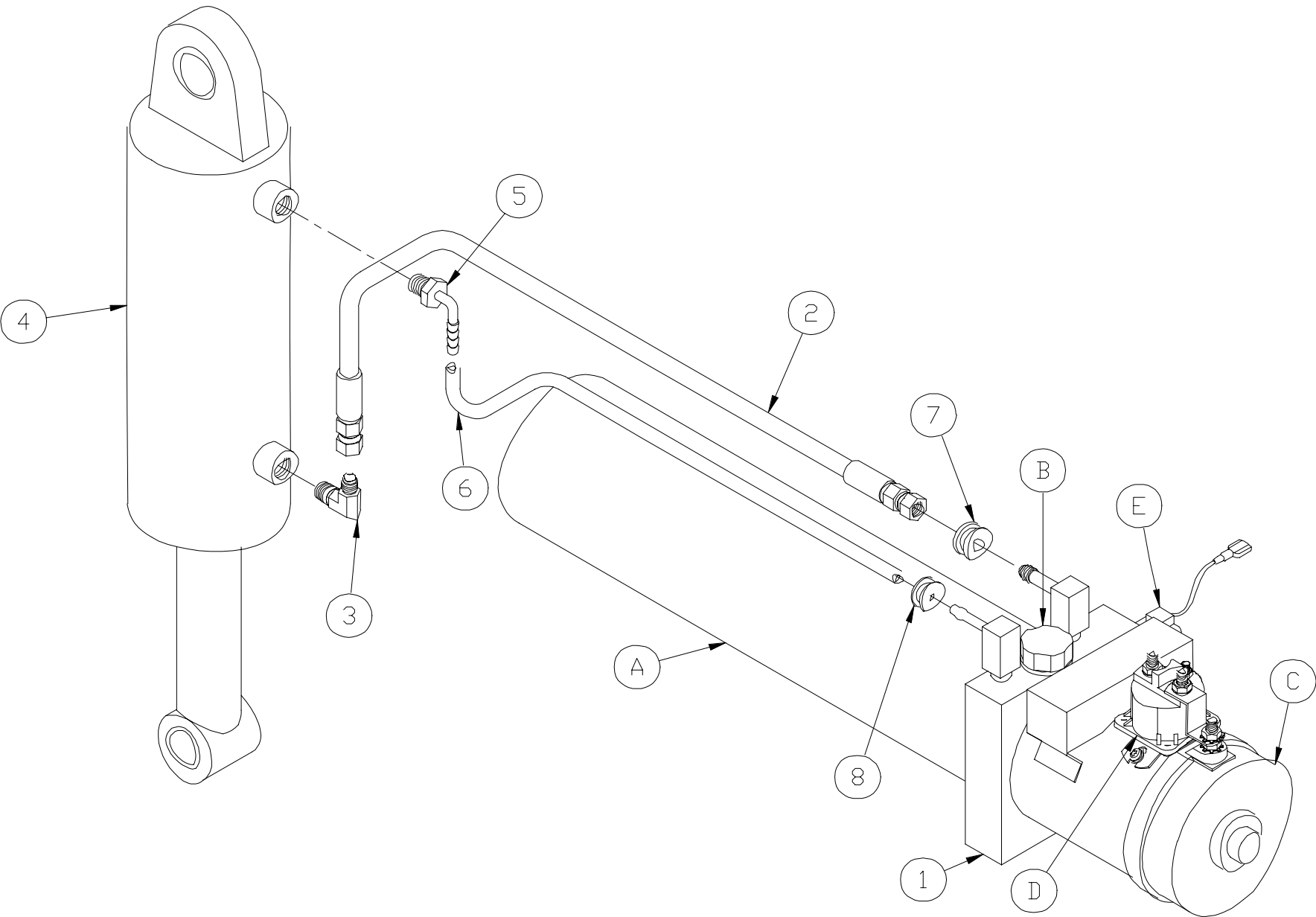
WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 10/12/01
E.O. 4594
REV. 03

PM-515

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401450	1	Hydraulic Pump Unit
A	70401456	1	Hydraulic Reservoir
B	70091734	1	Breather
C	70400854	1	Motor Assembly
D	75089822	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
2	75083200	1	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	1	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)
5	75082745	1	Barbed Fitting, 1/4" NPTF x 1/4", 90°
6	26299510	1	Hose, 1/4" I.D.

HYDRAULIC LAYOUT, THERMALPAK® WITH VOLTAGE GUARD™



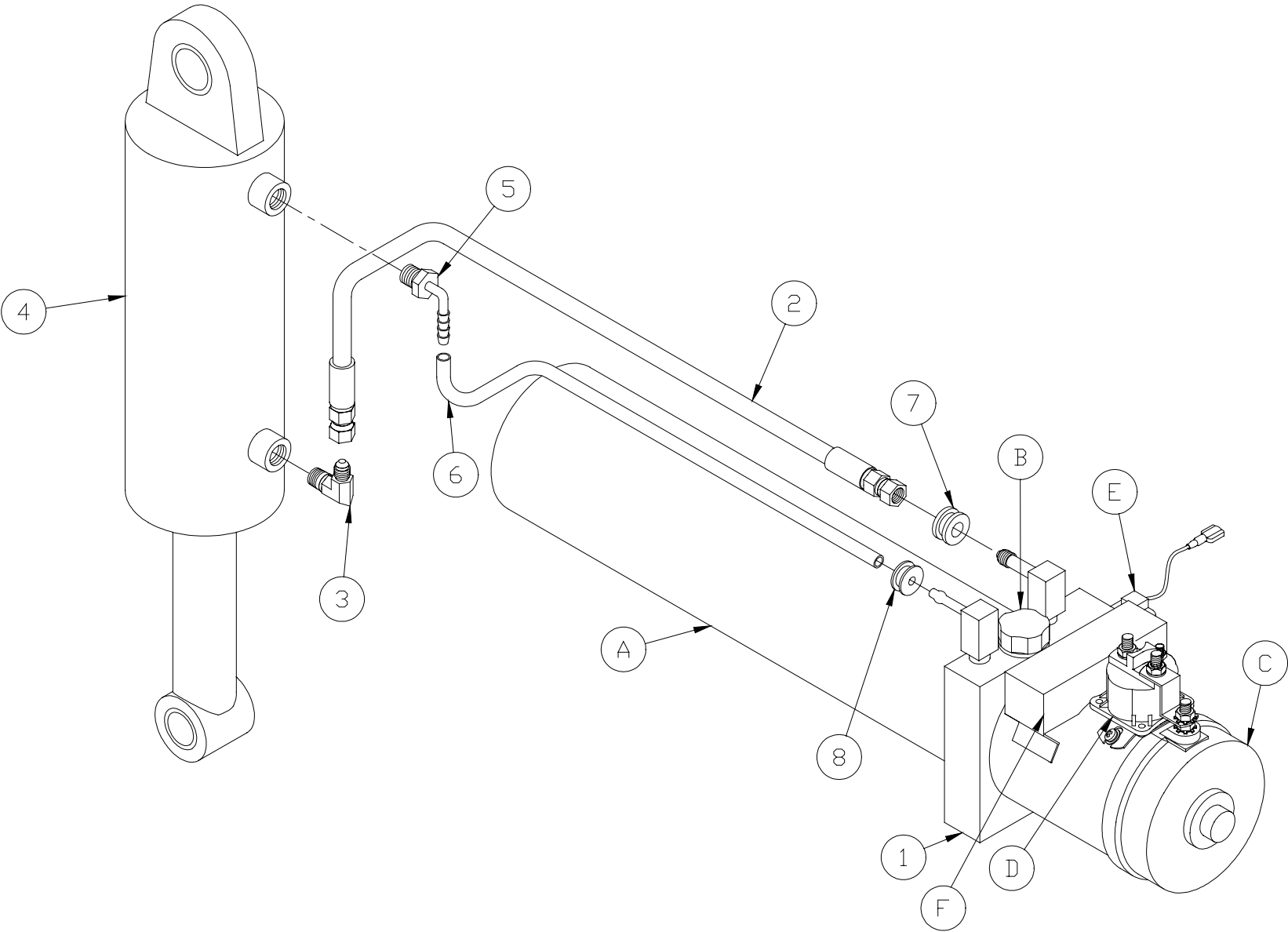
WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 5/02
E.O. 4665
REV. 01

PM-572

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401750	1	Hydraulic Pump Unit
A	70401456	1	Hydraulic Reservoir
B	70091734	1	Breather
C	70400854	1	Motor Assembly
D	75089831	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
2	75083201	1	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	1	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)
5	75082745	1	Barbed Fitting, 1/4" NPTF x 1/4", 90°
6	26299500	1	Hose, 1/4" I.D.
7	70401408	1	7/16" I.D. Grommet
8	70401409	1	1/4" I.D. Grommet

HYDRAULIC LAYOUT, THERMALPAK® WITH VOLTAGE GUARD™



WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

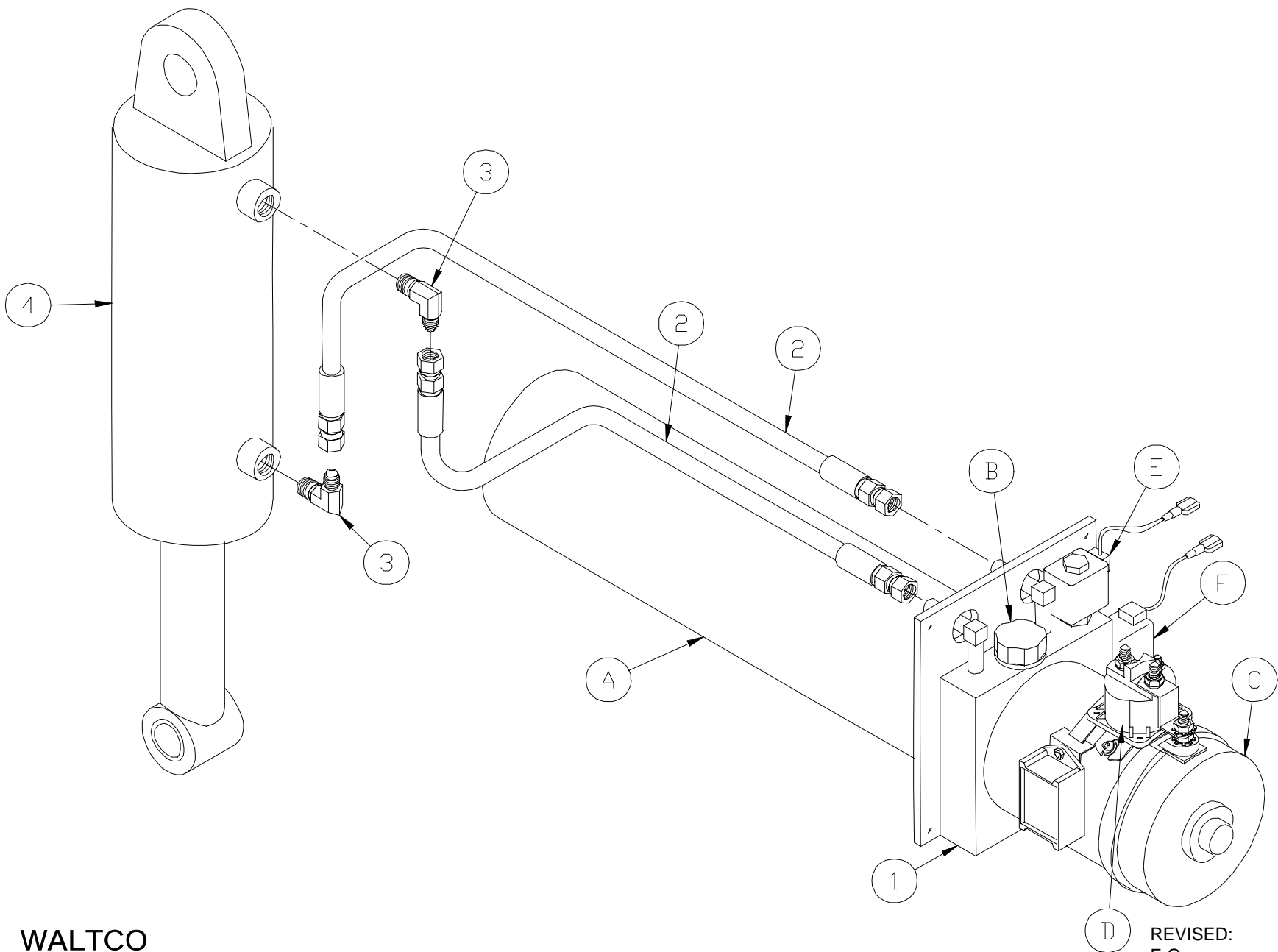
REVISED: 1-16-04
E.O. 5130
REV. 01

PM-623

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401950	1	Hydraulic Pump Unit
A	70400001	1	Hydraulic Reservoir
B	70400004	1	Breather
C	70092312 ^A	1	Motor
D	75089831 ^A	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
F	10099403 ^A	1	Thermalpak® with Voltage Guard™
2	75083201	1	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	1	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)
5	75082745	1	Barbed Fitting, 1/4" NPTF x 1/4", 90°
6	26299500	1	Hose, 1/4" I.D.
7	70401408	1	7/16" I.D. Grommet
8	70401409	1	1/4" I.D. Grommet

^A Included in Thermalpak® Motor Assembly 70400854

HYDRAULIC LAYOUT, ELECTROPAK® POWER DOWN



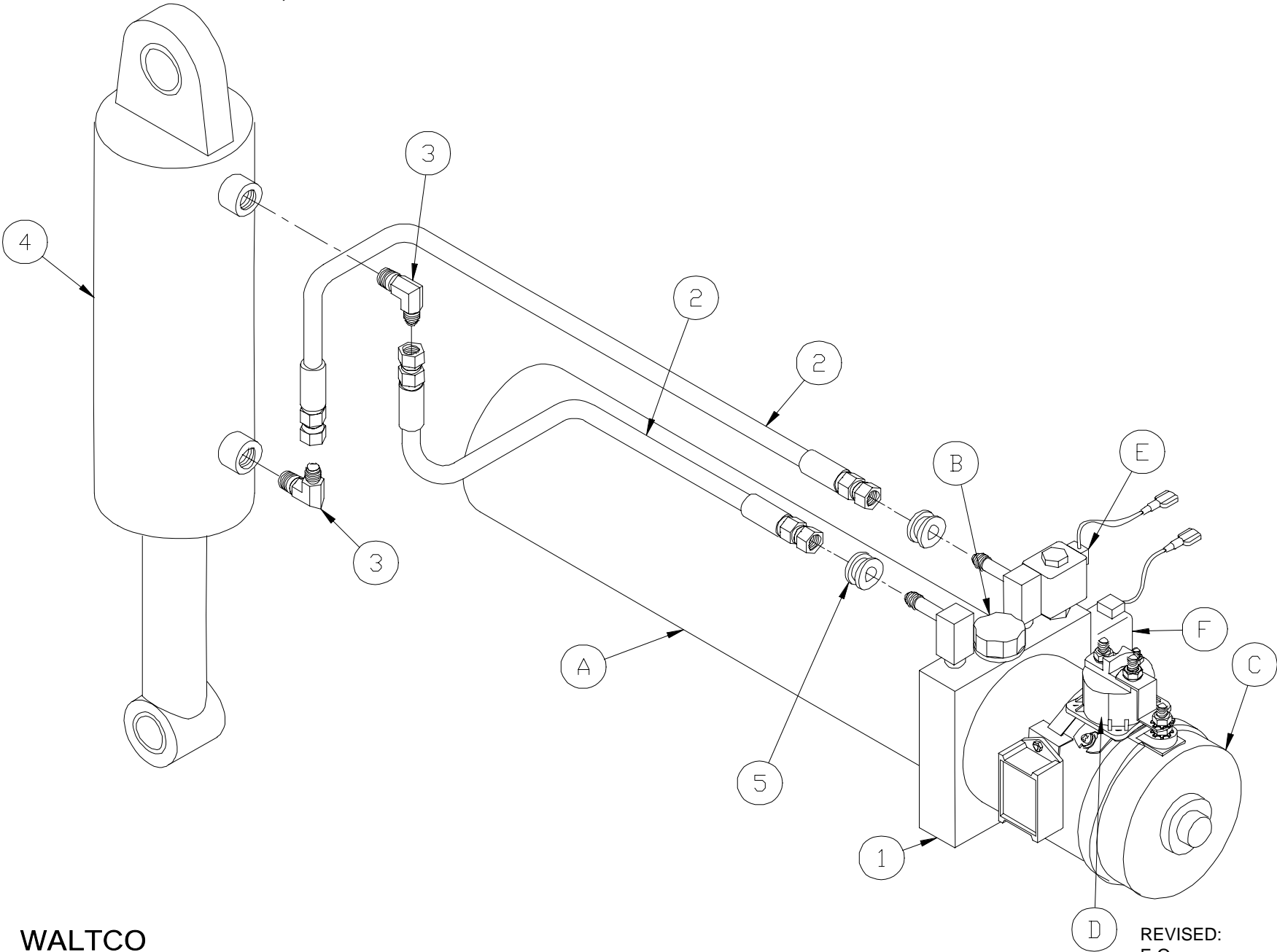
WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 10/12/01
E.O. 4594
REV. 02

PM-514

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401425	1	Hydraulic Pump Unit
A	70401456	1	Hydraulic Reservoir
B	70091734	1	Breather
C	70091739	1	Motor Assembly
D	75089822	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
F	70401477	1	Valve Assembly, 4-way, 2 position
2	75083200	2	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	2	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)

HYDRAULIC LAYOUT, ELECTROPAK® POWER DOWN



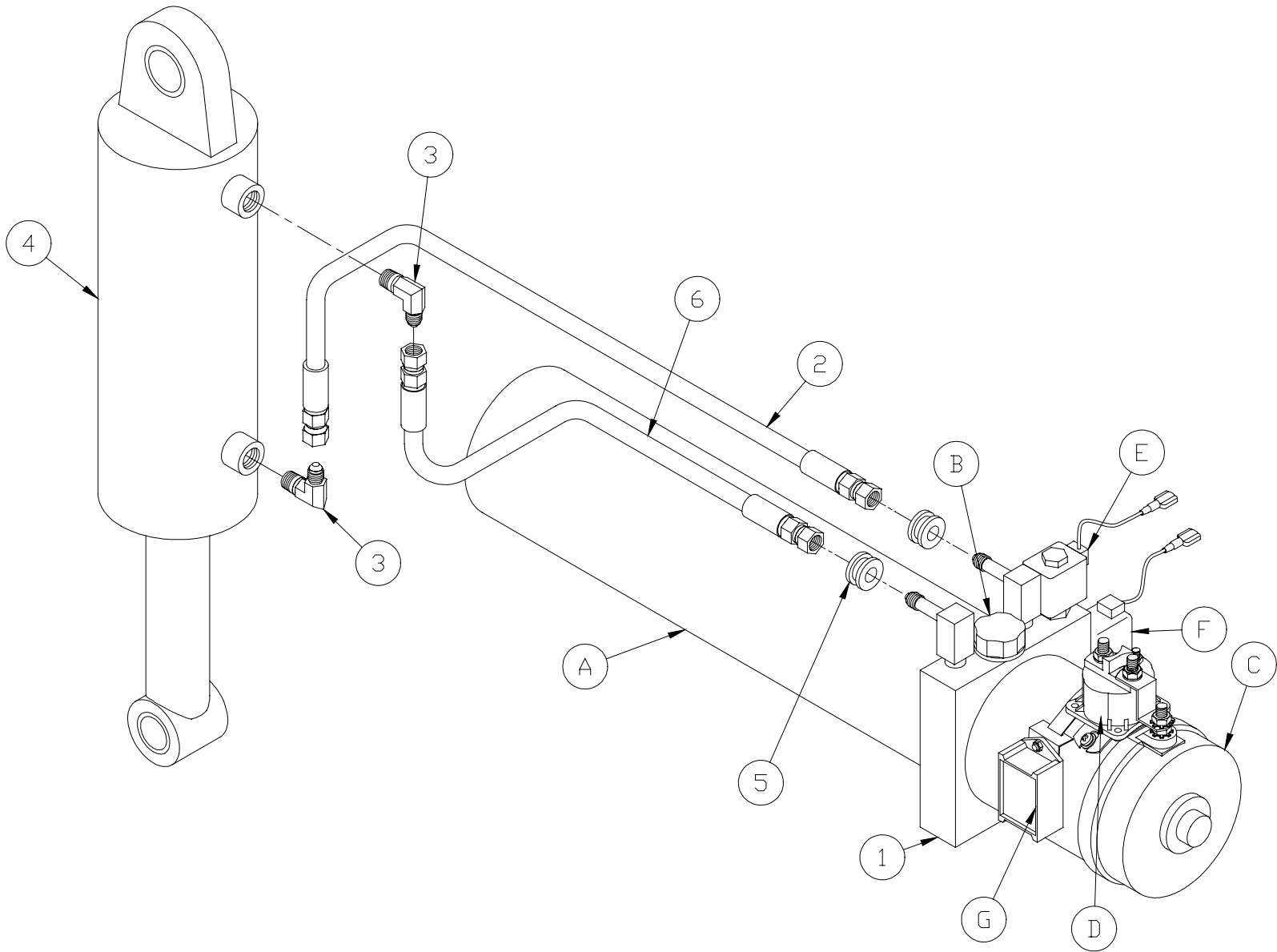
WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 5/02
E.O. 4665
REV. 01

PM-571

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401725	1	Hydraulic Pump Unit
A	70401456	1	Hydraulic Reservoir
B	70091734	1	Breather
C	70091739	1	Motor Assembly
D	75089831	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
F	70401477	1	Valve Assembly, 4-way, 2 position
2	75083201	2	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	2	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)
5	70401408	2	7/16" I.D. Grommet

HYDRAULIC LAYOUT, ELECTROPAK® POWER DOWN



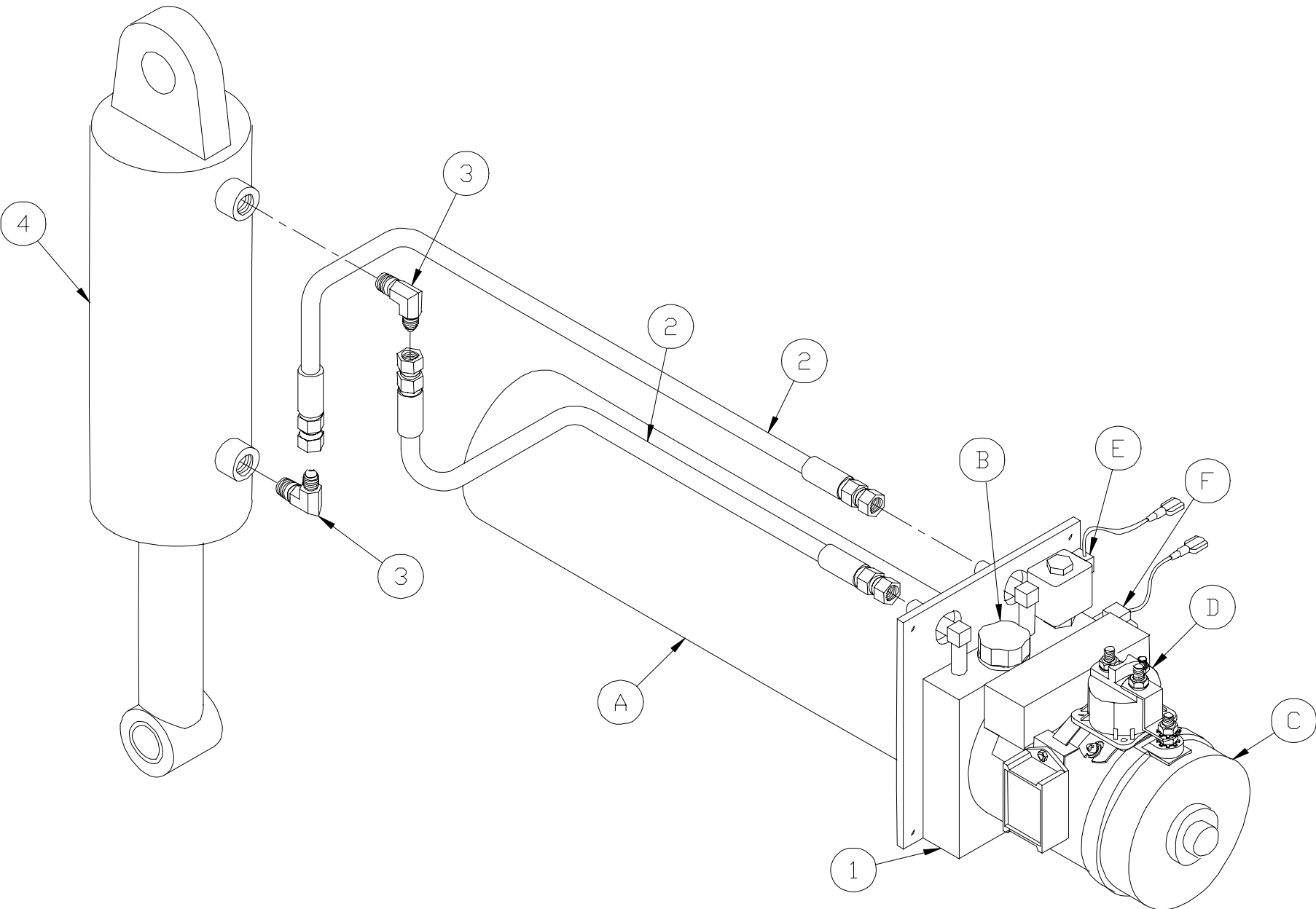
WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 1-16-04
E.O. 5130
REV. 01

PM-622

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401925	1	Hydraulic Pump Unit
A	70400001	1	Hydraulic Reservoir
B	70400004	1	Breather
C	70092312	1	Motor
D	75089831	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
F	70401477	1	Valve Assembly, 4-way, 2 position
G	80001032	1	Power Down Module
2	75083201	1	Hose Assembly, 1/4" I.D. x 1/4" JIC, 57"
3	75083210	2	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)
5	70401408	2	7/16" I.D. Grommet
6	75083200	1	Hose Assembly, 1/4" I.D. x 1/4" JIC, 45"

HYDRAULIC LAYOUT, THERMALPAK® WITH VOLTAGE GUARD™ POWER DOWN



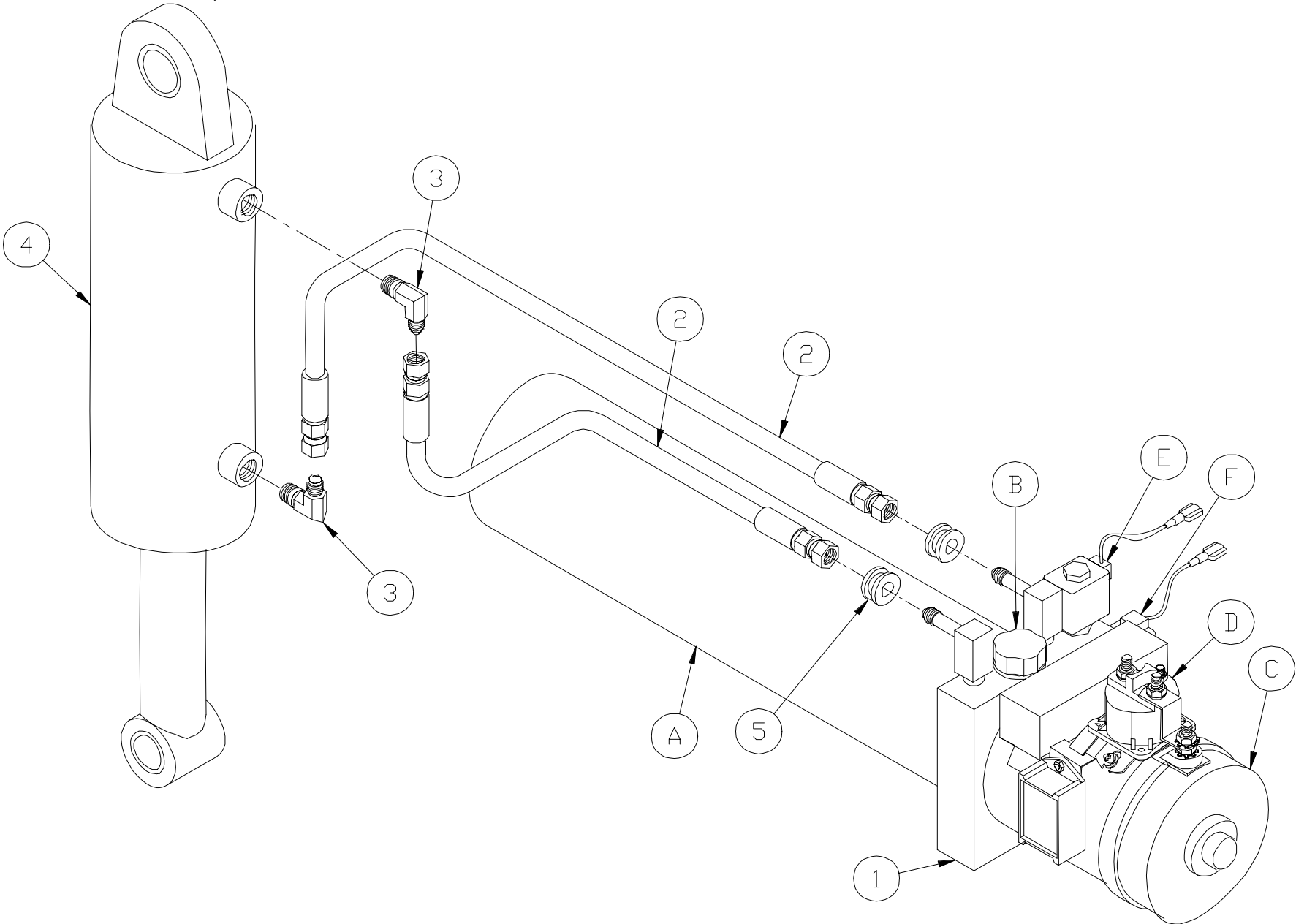
WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 10/12/01
E.O. 4594
REV. 02

PM-516

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401475	1	Hydraulic Pump Unit
A	70401456	1	Hydraulic Reservoir
B	70091734	1	Breather
C	70400855	1	Motor Assembly
D	75089831	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
F	70401477	1	Valve Assembly, 4-way, 2 position
2	75083200	2	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	2	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)

HYDRAULIC LAYOUT, THERMALPAK® WITH VOLTAGE GUARD™ POWER DOWN



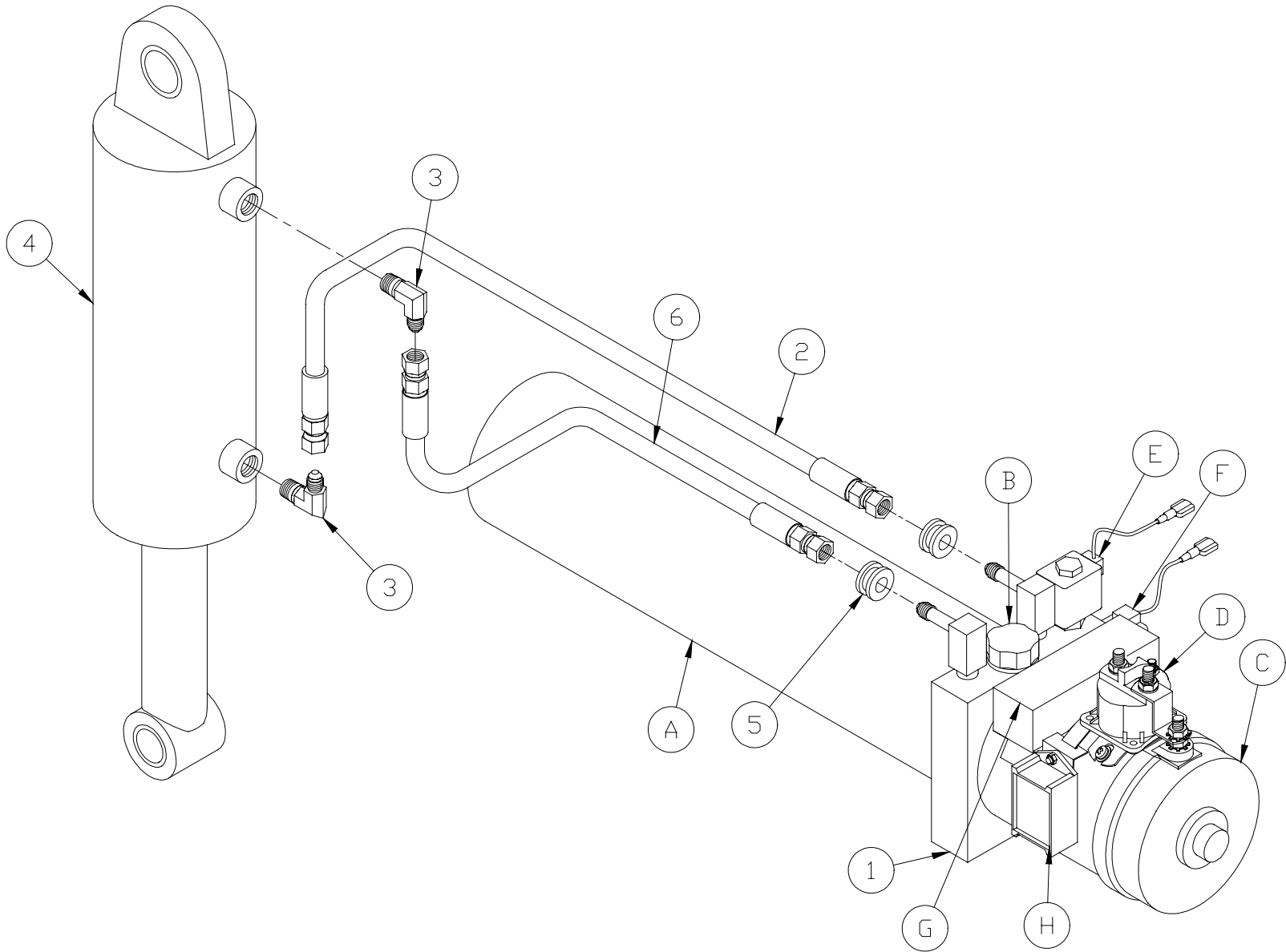
WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

REVISED: 5/02
E.O. 4665
REV. 01

PM-573

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401775	1	Hydraulic Pump Unit
A	70401456	1	Hydraulic Reservoir
B	70091734	1	Breather
C	70400855	1	Motor Assembly
D	75089831	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
F	70401477	1	Valve Assembly, 4-way, 2 position
2	75083201	2	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	2	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)
5	70401408	2	7/16" I.D. Grommet

HYDRAULIC LAYOUT, THERMALPAK® WITH VOLTAGE GUARD™ POWER DOWN



WALTCO
TRUCK EQUIPMENT CO.
C-RM SERIES

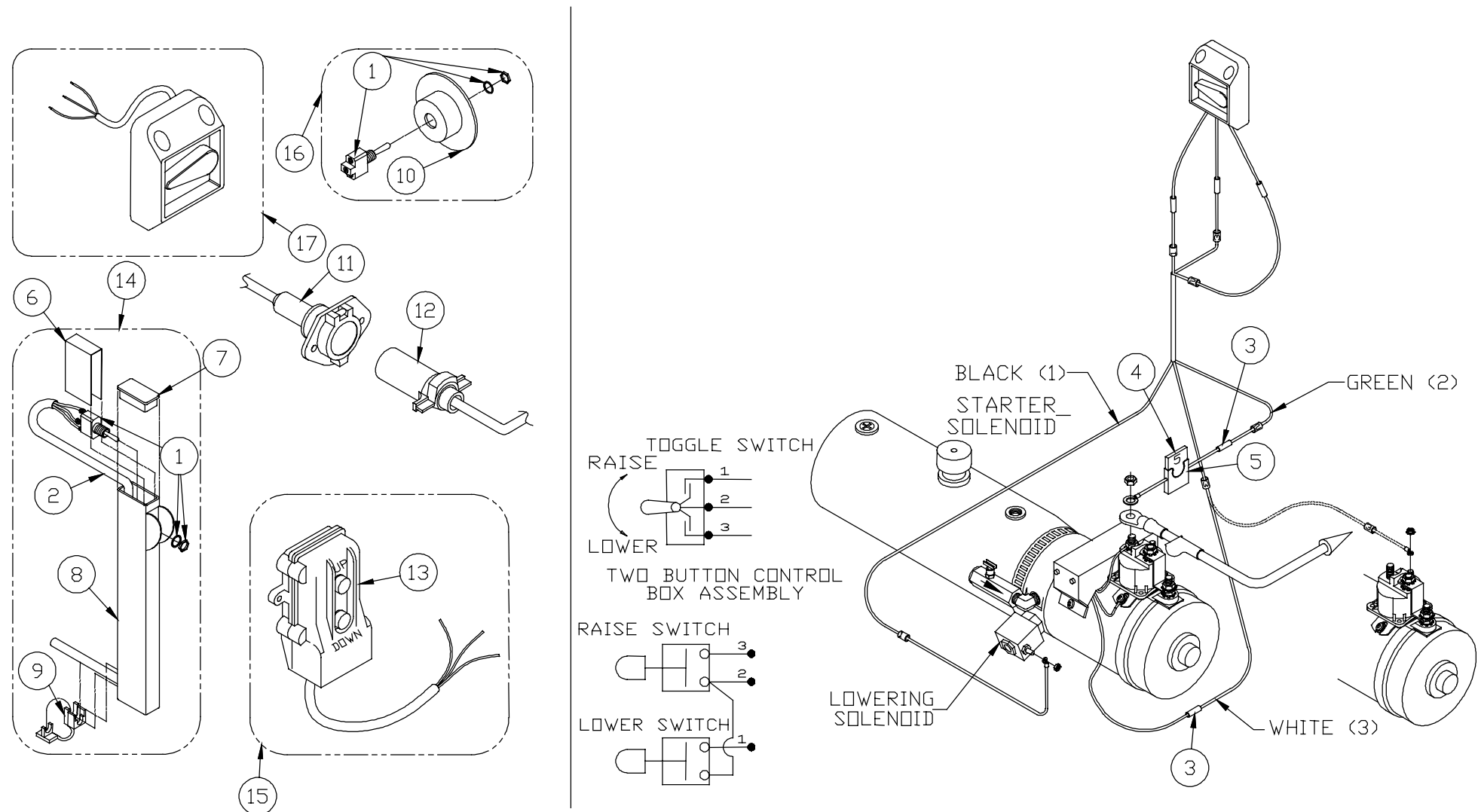
REVISED: 1-16-04
E.O. 5130
REV. 01

PM-624

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401975	1	Hydraulic Pump Unit
A	70400001	1	Hydraulic Reservoir
B	70400004	1	Breather
C	70092312 ^A	1	Motor
D	75089831 ^A	1	Starter Solenoid
E	70401476	1	Valve Assembly, 2-way, 2 position
F	70401477	1	Valve Assembly, 4-way, 2 position
G	10099403 ^A	1	Thermalpak® with Voltage Guard
H	80001032 ^A	1	Power Down Module
2	75083201	1	Hose Assembly, 1/4" I.D. x 1/4" JIC
3	75083210	2	90° Elbow, 1/4" NPT x 1/4" JIC
4	22180010	1	Hydraulic Cylinder (C-15RM)
	22280010		Hydraulic Cylinder (C-20RM)
5	70401408	2	7/16" I.D. Grommet
6	75083200	1	Hose Assembly, 45"

^A Included in Thermalpak® Motor Assembly 70400855.

ELECTRIC CONTROL OPTIONS, GRAVITY DOWN

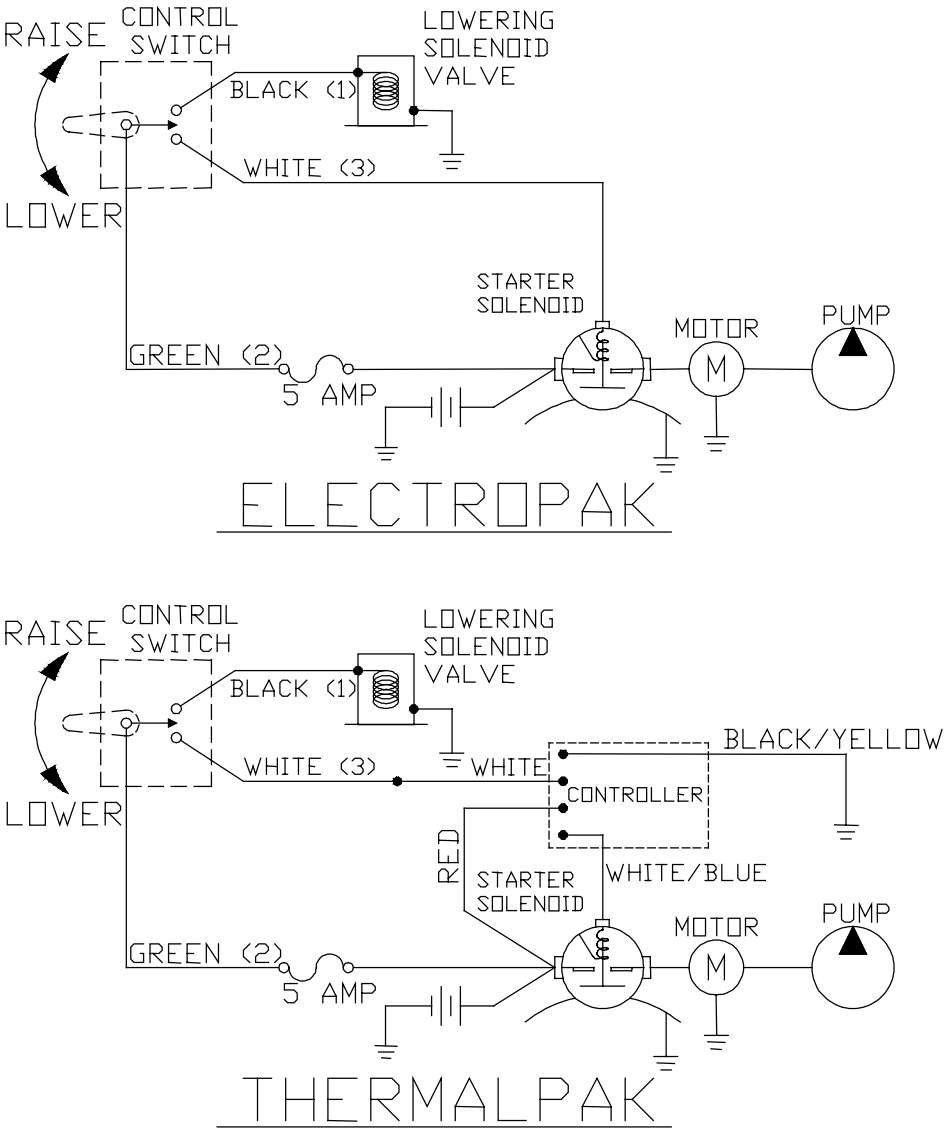


WALTCO
TRUCK EQUIPMENT CO.

REVISED: 12-1-03
E.O. 5221
REV. 13

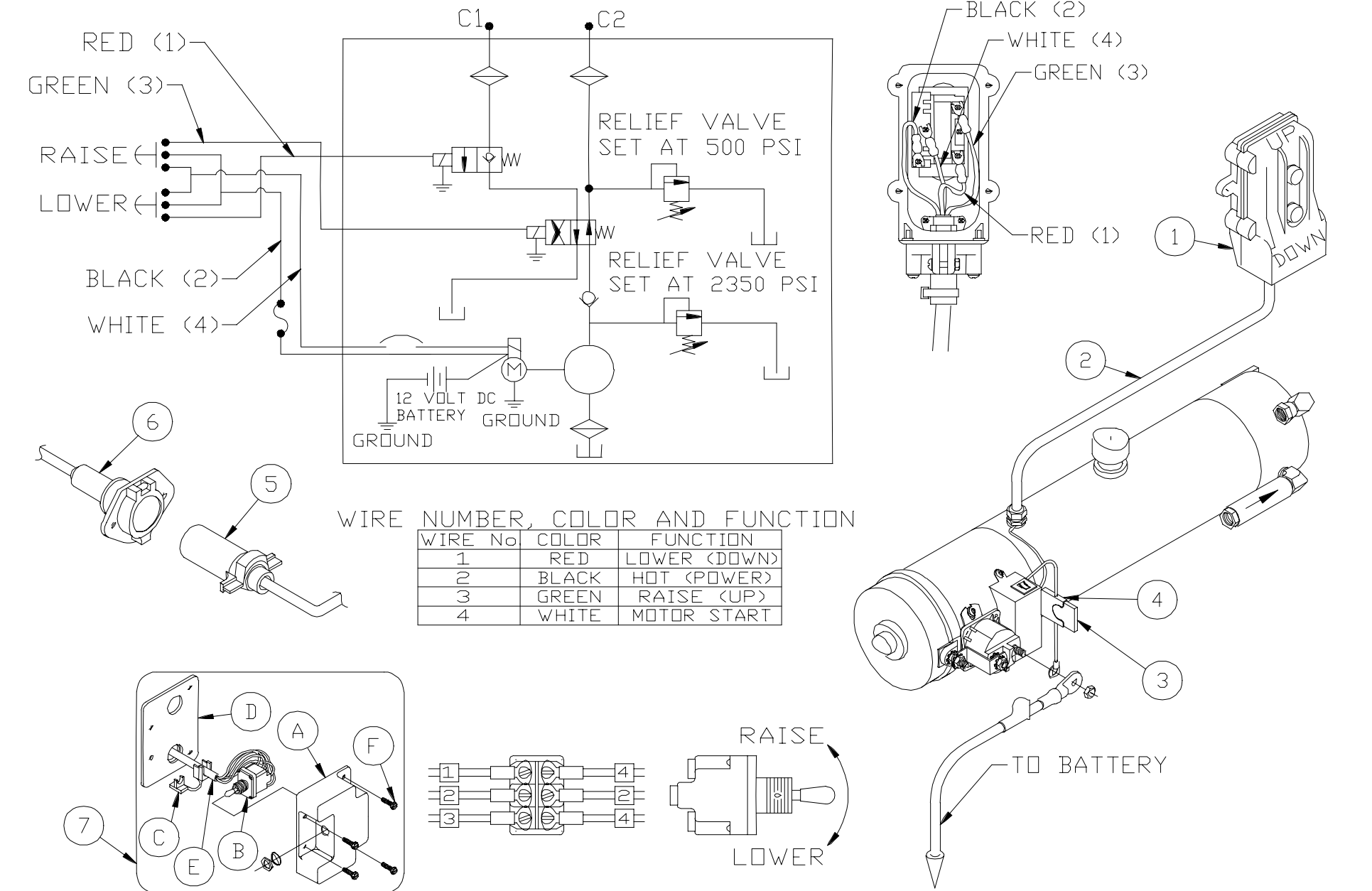
PM-343

ITEM	PART NUMBER	QTY	DESCRIPTION
1	75089808	1	Toggle Switch
2	10098400	1	Control Cord Assembly
3	75082033	2	16 Ga. Butt Connector
4	75089853	1	5 AMP Fuse
5	75089850	1	Fuse Holder
6	33574100	1	Dielectric Insulation
7	33520900	1	Plug
8	10098100	1	Control Tube Assembly
9	75080055	1	Strain Relief
10	75089813	1	Recessed Switch Plate
11	75082038	1	Trailer Socket
12	75082037	1	Trailer Plug
13	75089798	1	Push Button Box Assembly
*14	10098000		Toggle Switch & Tube Kit
*15	75089800	1	Remote Box Straight Cord
	75089799	1	Remote Box Coil Cord
	80000470	1	Remote Box Straight Cord w/ plug & socket
	80000469	1	Remote Box Coil Cord w/ plug & socket
*16	80000468	1	Toggle Switch Kit
*17	10099300	1	SuperSwitch
	10099302	1	Remote SuperSwitch
	80000423	1	SuperSwitch Control Kit
	80000424	1	SuperSwitch Dual Control Kit
	80000425	1	SuperSwitch Conversion Kit
	80000799	1	Remote SuperSwitch Kit
**Boxed assemblies represent complete kits			



WIRE No.	COLOR	FUNCTION
1	BLACK	LOWER (DOWN)
2	GREEN	HOT (POWER)
3	WHITE	RAISE (UP)

ELECTRIC CONTROL OPTIONS, POWER DOWN



WALTCO
TRUCK EQUIPMENT CO.

REVISED: 12-18-98
E.O. 3768
REV. 04

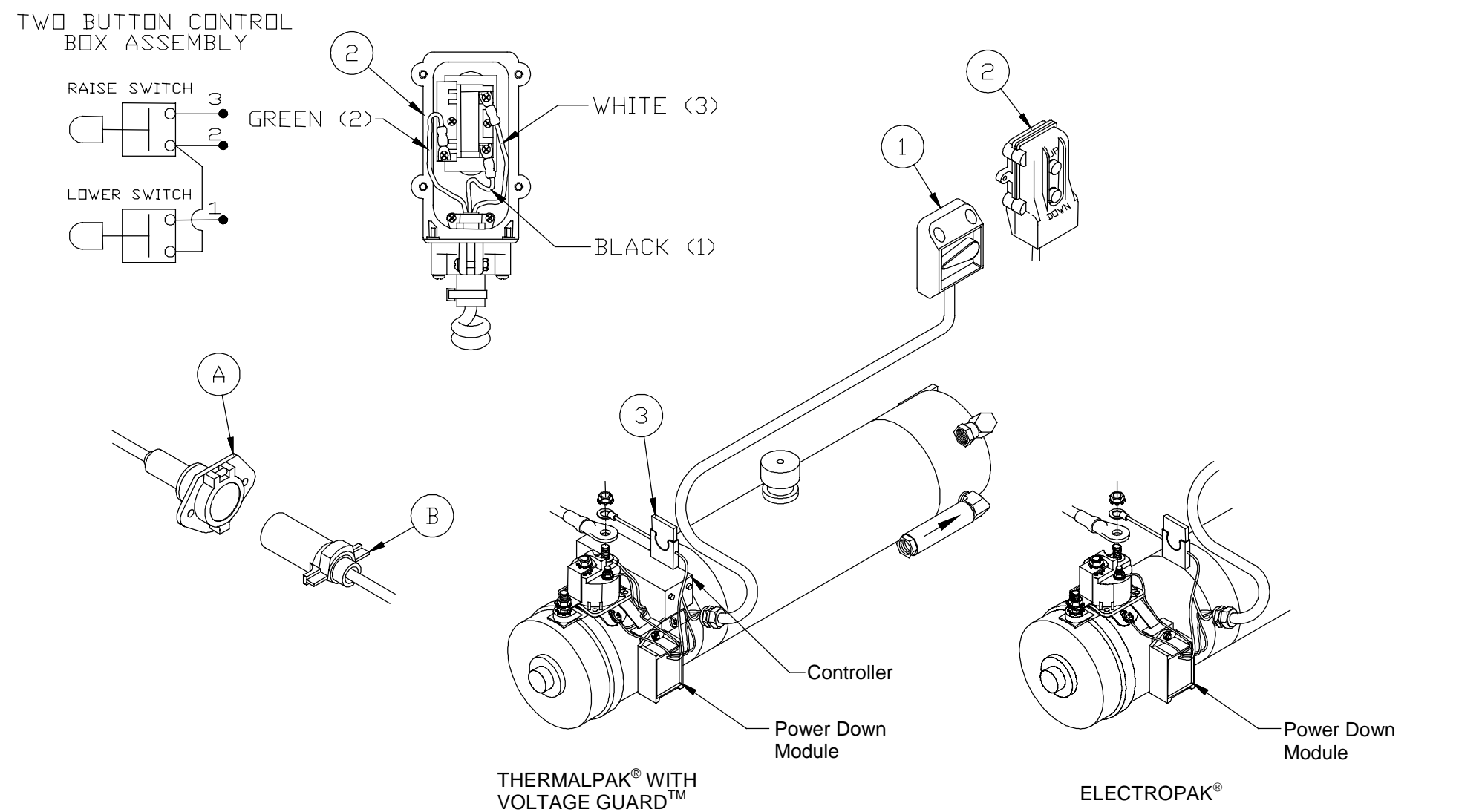
PM-344

ITEM	PART NUMBER	QTY	DESCRIPTION
1	75089798	1	Remote Push Button Box Assembly
2	70400026	1	Control Cord
3	75089852	1	20 AMP Fuse
4	75089850	1	Fuse Holder
5	75082037	1	Trailer Plug (Optional)
6	75082038	1	Trailer Socket (Optional)
7	80000727		Power Down Control Kit
	80000728		Flipaway Power Down Dual Control Kit
*A	10098106	1	Switch Housing
*B	75089810	1	Toggle Switch
*C	75080055	1	Strain Relief
*D	10098206	1	Gasket
^a E	10098406	1	Control Cord Assembly(10')
	10098407		Control Cord Assembly (15') (Dual Control)
*F	75086919	4	#10 x 1" lg Self Tapping Screw

* These parts are included in kit 80000727 and 80000728.

^a These parts are included in kit 80000727 or 80000728.

ELECTRIC CONTROL OPTIONS, POWER DOWN

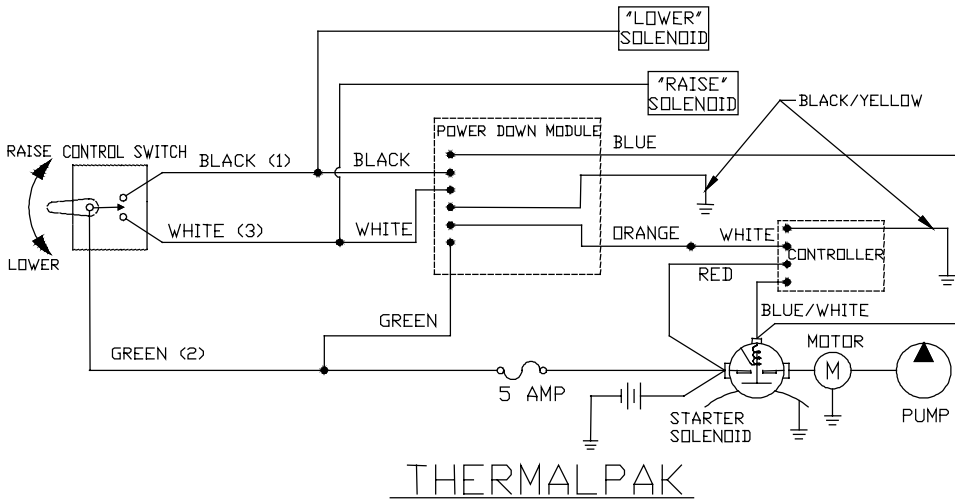
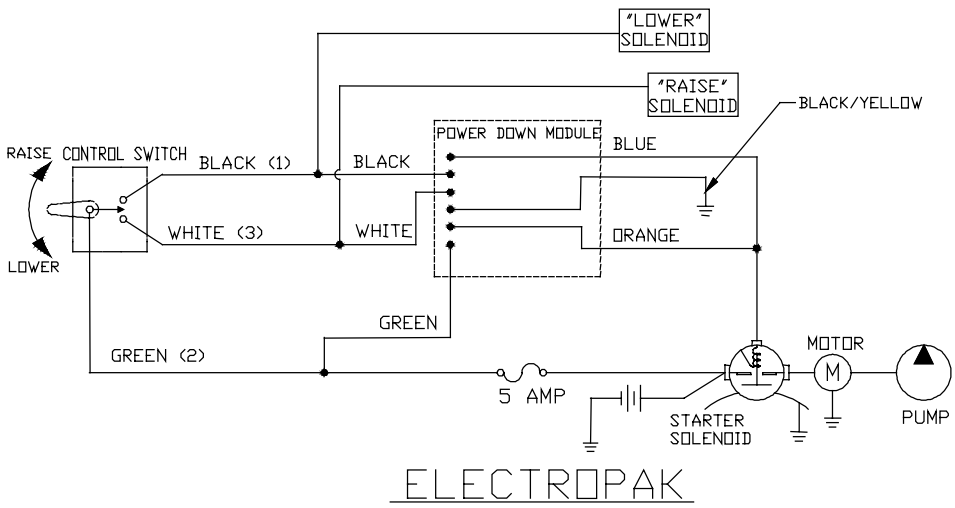


WALT
CO
TRUCK EQUIPMENT CO.

REVISED: 12-1-03
E.O. 5221
REV. 05

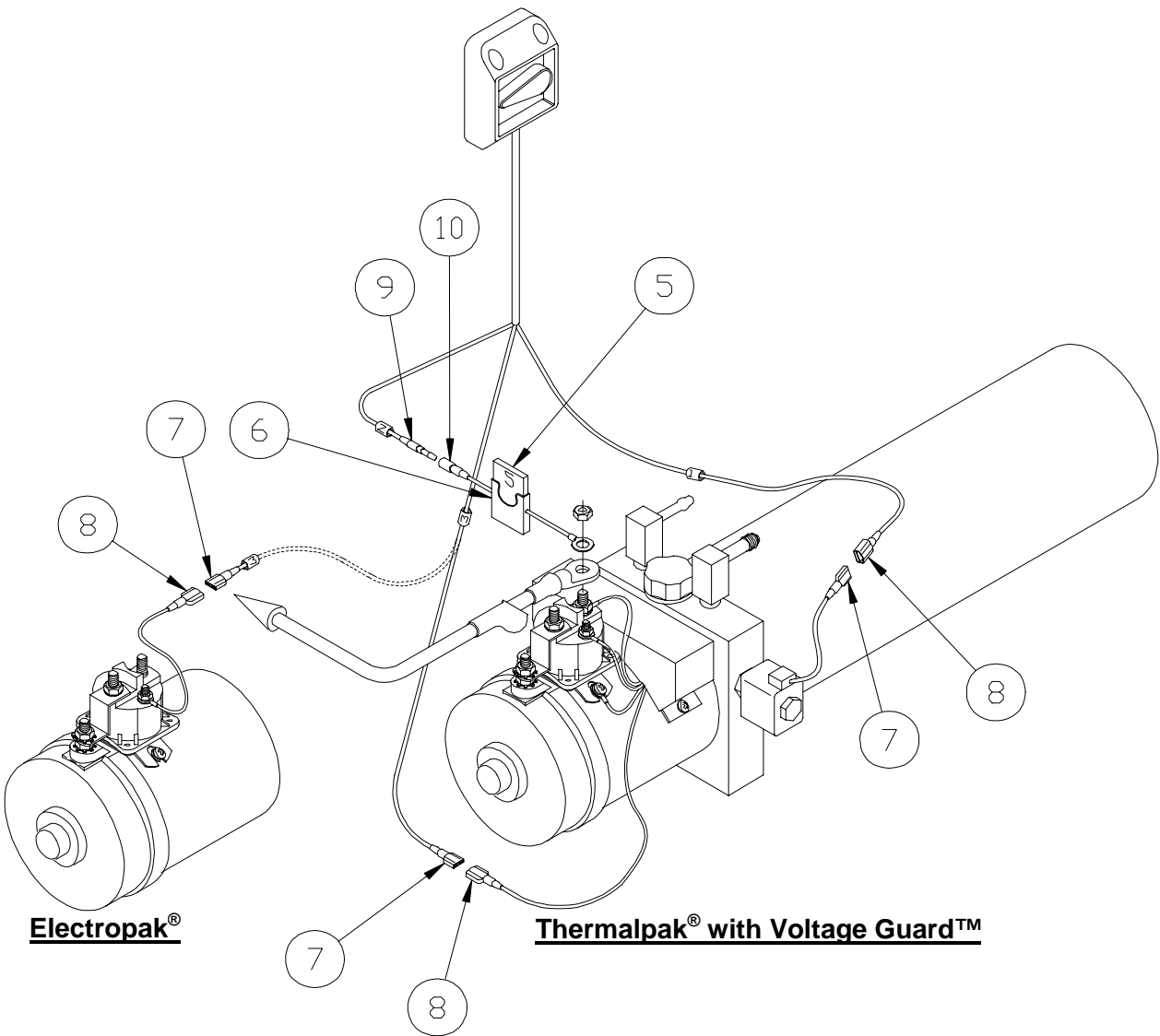
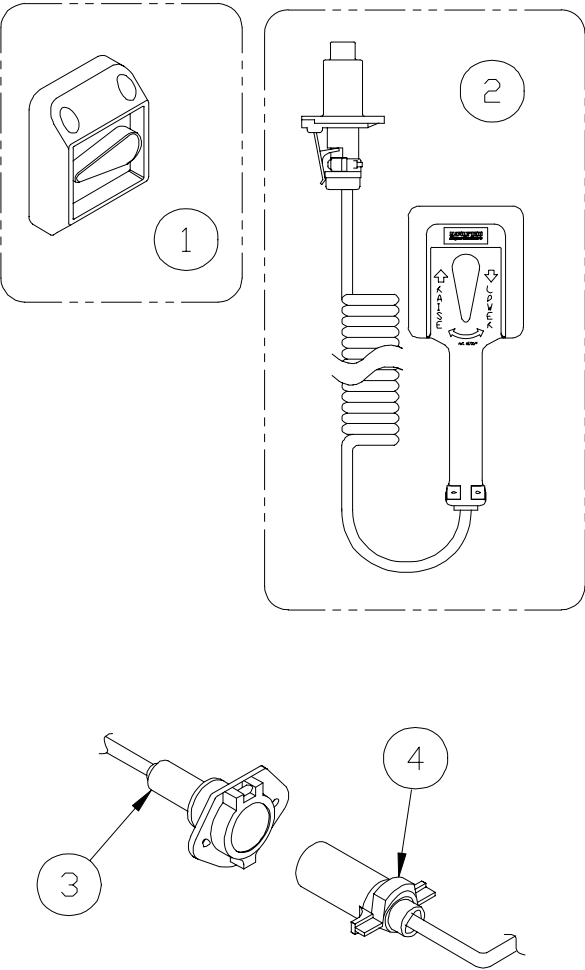
PM-489

ITEM	PART NUMBER	QTY	DESCRIPTION
1	10099300*		SuperSwitch™
	10099302**		Remote SuperSwitch™
	22595007		Superswitch Power Down Kit
2	75089798 ^A		Push Button Switch
	75089799 ^B		Remote Push Button Switch with Coil Cord
	75089800 ^C		Remote Push Button Switch w/Straight Cord
	80000797		Push Button Power Down Kit
	80000795		Remote Push Button Power Down Kit, CC
	80000796		Remote Push Button Power Down Kit, SC
A	75082037 ^{BC}		Trailer Plug
B	75082038 ^{BC}		Trailer Socket
3	75089853		5 amp Fuse



* Included in kit 22595007
** Included in kit 80000978
^A Included in kit 80000797
^B Included in kit 80000795
^C Included in kit 80000796

ELECTRIC CONTROL OPTIONS – Gravity Down



WALTCO
TRUCK EQUIPMENT CO.

REVISED: 12-1-03
E.O. 5221
REV. 01

PM-617

ITEM	PART NUMBER	QTY	DESCRIPTION
1	10099306 ^a	1	SuperSwitch™ (for curb side)
	10099300 ^b	1	SuperSwitch™ (for Dual Control Harness)
2	10099302 ^c	1	SuperSwitch™ (Hand Held Remote)
3	75082038	1	Trailer Socket
4	75082037	1	Trailer Plug
5	75089853	1	5 Amp Fuse
6	75089850	1	Fuse Holder
7	75082017 ^c	1	16-14 Ga. Female Slide-On Terminal
8	75082019 ^c	1	16-14 Ga. Male Slide-On Terminal
9	75082014 ^c	1	16-14 Ga. Male Bullet Connector
10	75082015 ^c	1	16-14 Ga. Female Bullet Connector

^a Included in SuperSwitch™ Kit 80000428.
^b Included in SuperSwitch™ Dual Control Kit 80000429.
^c Included in SuperSwitch™ Hand Held Remote Kit 80000430.

WIRE No.	COLOR	FUNCTION
1	BLACK	LOWER (DOWN)
2	GREEN	HOT (POWER)
3	WHITE	RAISE (UP)

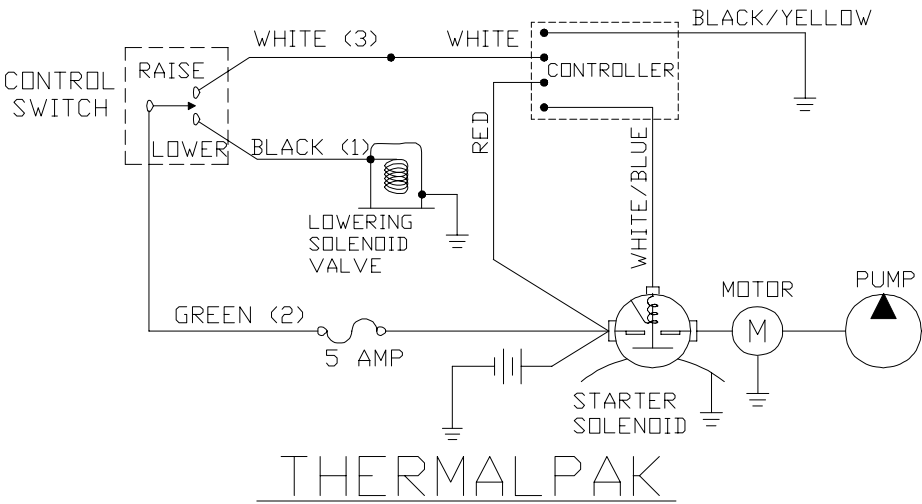
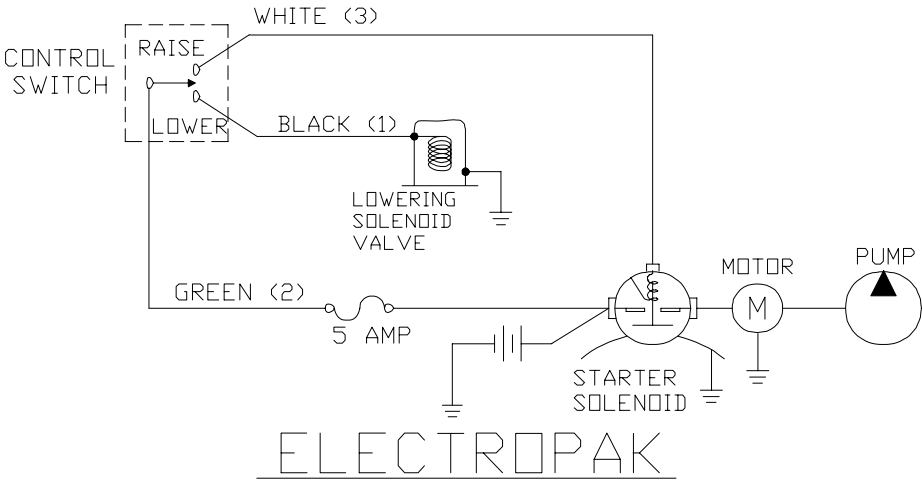


Diagram illustrating the assembly of the power cord and the connection of the power cord to the pump handle.

1. The power cord is shown with a coiled section and a handle. The handle has a switch and a power button.

2. The power cord is connected to the pump handle. The handle has a switch and a power button.

3. The power cord is connected to the pump handle. The handle has a switch and a power button.

4. The power cord is connected to the pump handle. The handle has a switch and a power button.

^a Included in SuperSwitch™ Kit 80000428.

^b Included in SuperSwitch™ Dual Control Kit 80000429.

^c Included in SuperSwitch™ Hand Held Remote Kit 80000430.

C & C RM-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.

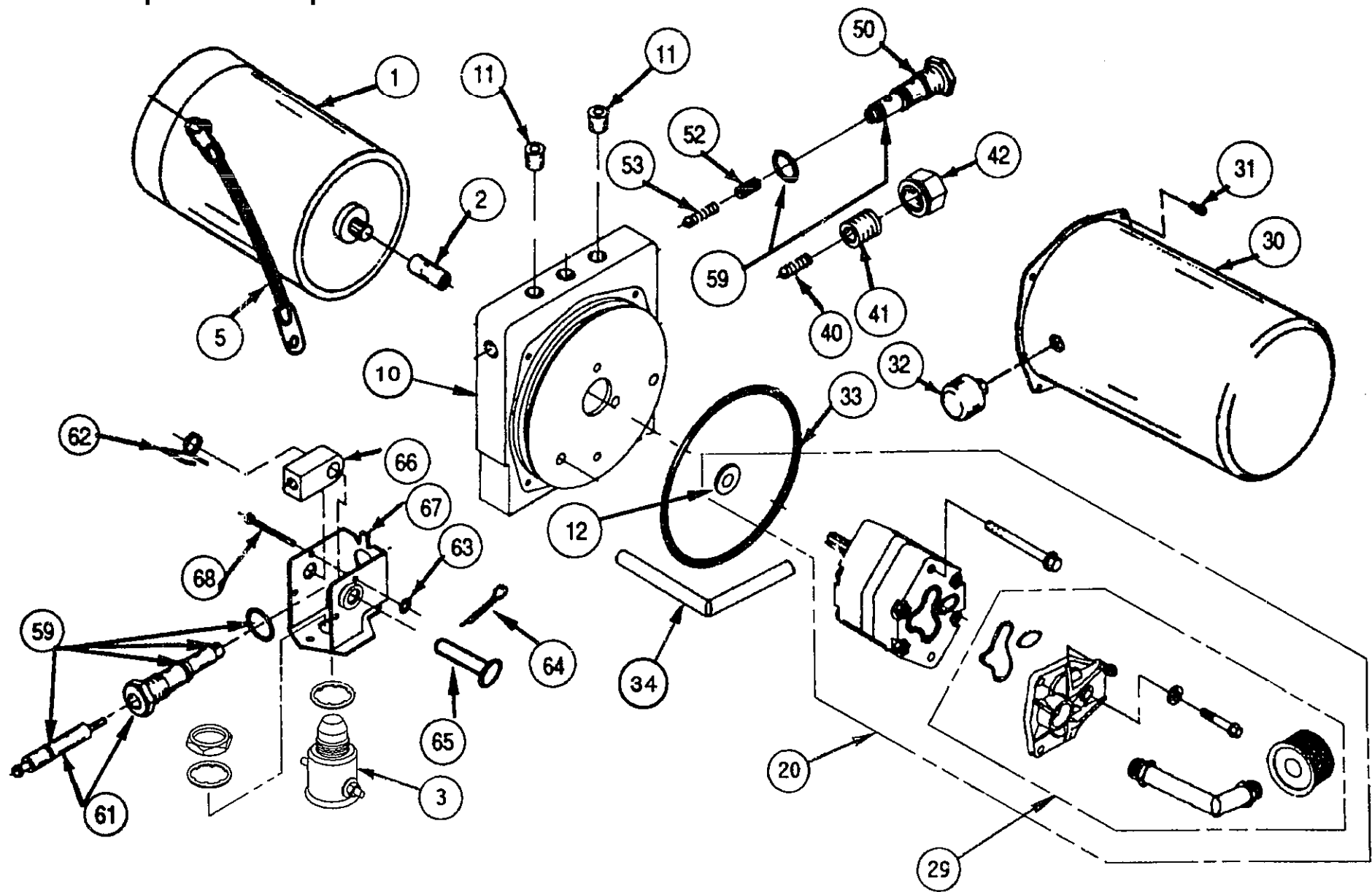
CYLINDERS

Part Number	Description	PM No.
22180050	Lift Cylinder	PM-210
22280050	Lift Cylinder	PM-209
22180010	Lift Cylinder	PM-470
22280010	Lift Cylinder	PM-471

HYDRAULIC PUMPS

Part Number	Description	Pump Mfr.	PM No.
22195000	Hydraulic Pump Assembly	Fenner	PM-110B
22195050	Hydraulic Pump Assembly	Fenner	PM-286
70400225	Hydraulic Pump Assembly	Monarch	PM-398
70400300	Hydraulic Pump Assembly	Monarch	PM-398
70400500	Hydraulic Pump Assembly	Monarch	PM-398
30195000	Hydraulic Pump Assembly	Fenner	PM-111B
20295000	Hydraulic Pump Assembly	Fenner	PM-247A
70400000	Hydraulic Pump Assembly	Monarch	PM-352
70400700	Hydraulic Pump Assembly	Monarch	PM-510
70400025	Hydraulic Pump Assembly	Monarch	PM-354
70400725	Hydraulic Pump Assembly	Monarch	PM-511
70401400	Hydraulic Pump Assembly	Monarch	PM-555
70401450	Hydraulic Pump Assembly	Monarch	PM-558
70401425	Hydraulic Pump Assembly	Monarch	PM-556
70401475	Hydraulic Pump Assembly	Monarch	PM-559
70401700	Hydraulic Pump Assembly	Monarch	PM-555
70401750	Hydraulic Pump Assembly	Monarch	PM-558
70401725	Hydraulic Pump Assembly	Monarch	PM-556
70401775	Hydraulic Pump Assembly	Monarch	PM-559
70401900	Hydraulic Pump Assembly	Monarch	PM-555
70401925	Hydraulic Pump Assembly	Monarch	PM-558
70401950	Hydraulic Pump Assembly	Monarch	PM-556
70401975	Hydraulic Pump Assembly	Monarch	PM-559

Solenoid Operated Pump Unit



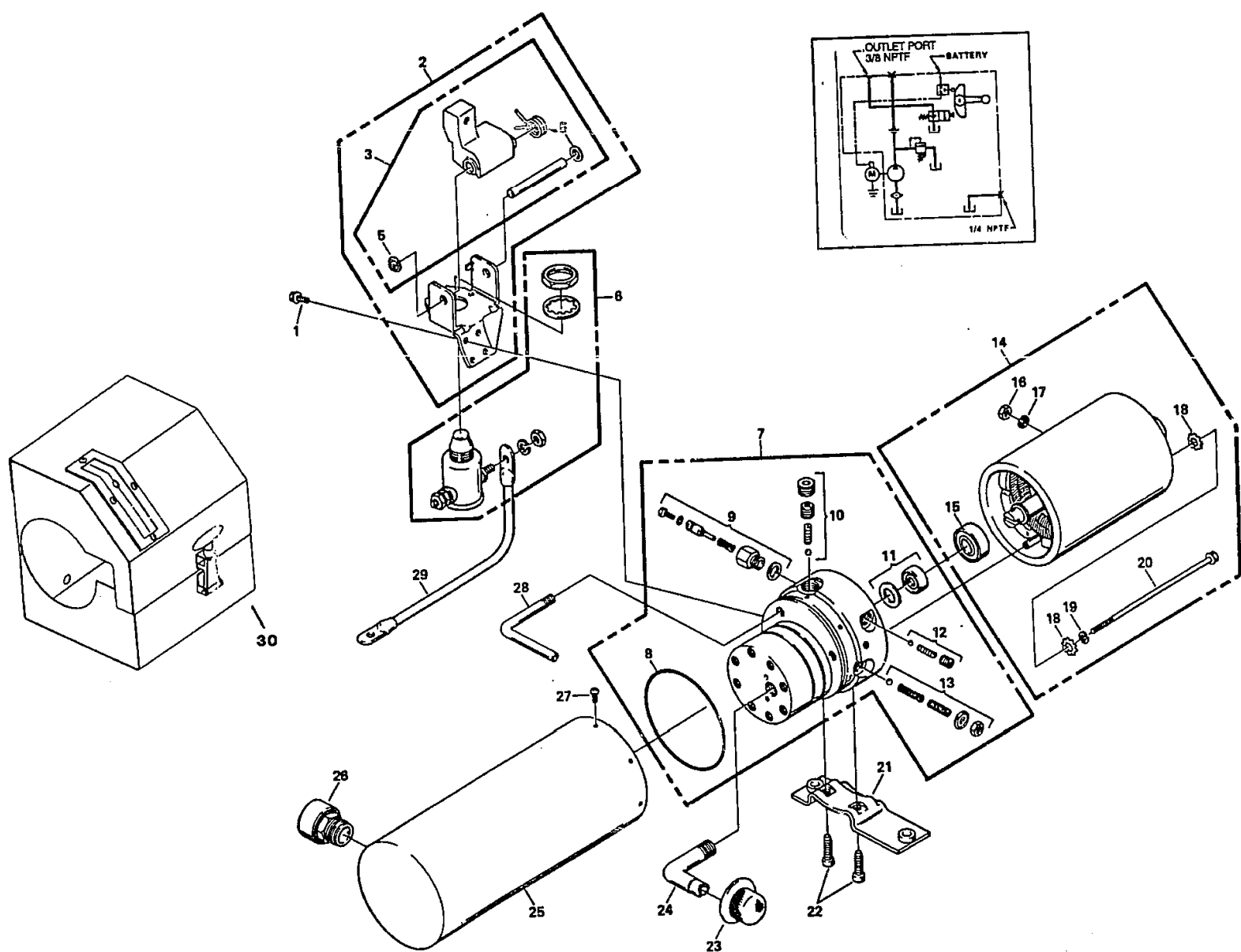
WALTCO
TRUCK EQUIPMENT CO.
22195000

REVISED: 4-16-99
E.O. 3620
REV. 03
PM-110B

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70392900	1	Motor
2	70091618	1	Coupling
3	80000692	1	Switch Kit
5	70091260	1	Terminal Cable Assembly
10	70091274	1	End Head
11	70091291	2	Plug
12	70091629	1	Shaft Seal
20	70091615	1	Pump Assembly Kit
29	70091758	1	Suction Cover Kit
30	70091262	1	Reservoir
31	70091285	4	Screw
32	70091270	1	Breather Cap
33	75000027	1	"O" Ring
34	70091493	1	Return Tube
40	70091249	1	Ball
	70091250	1	Spring
41	70091295	1	Adjustment Screw
42	70091294	1	Relief Cap Assembly
50	70091395	1	Check Cap Assembly
52	70091296	1	Spring Retainer
53	70091281	1	Spring & Ball Assembly
59			Valve Seal Kit
	75000025	1	"O" Ring
	75000026	2	"O" Ring
	75000036	2	"O" Ring
	70091297	2	Seal Ring
61	80000722	1	Release Cap Stem Assembly
62	70160009*	1	Spring
63	70091602*	1	Grip Ring
64	70091604*	1	Cotter Pin
65	70091603	1	Headed Pin
66	70091266*	1	Cam
67	70091277*	1	Mounting Bracket Assembly
68	70091601*	1	Headed Pin

* Items included in switch kit 70091279

22195050 / 26295050 PUMP UNIT (MONARCH)



WALTCO
TRUCK EQUIPMENT CO.
22195050 / 26295050

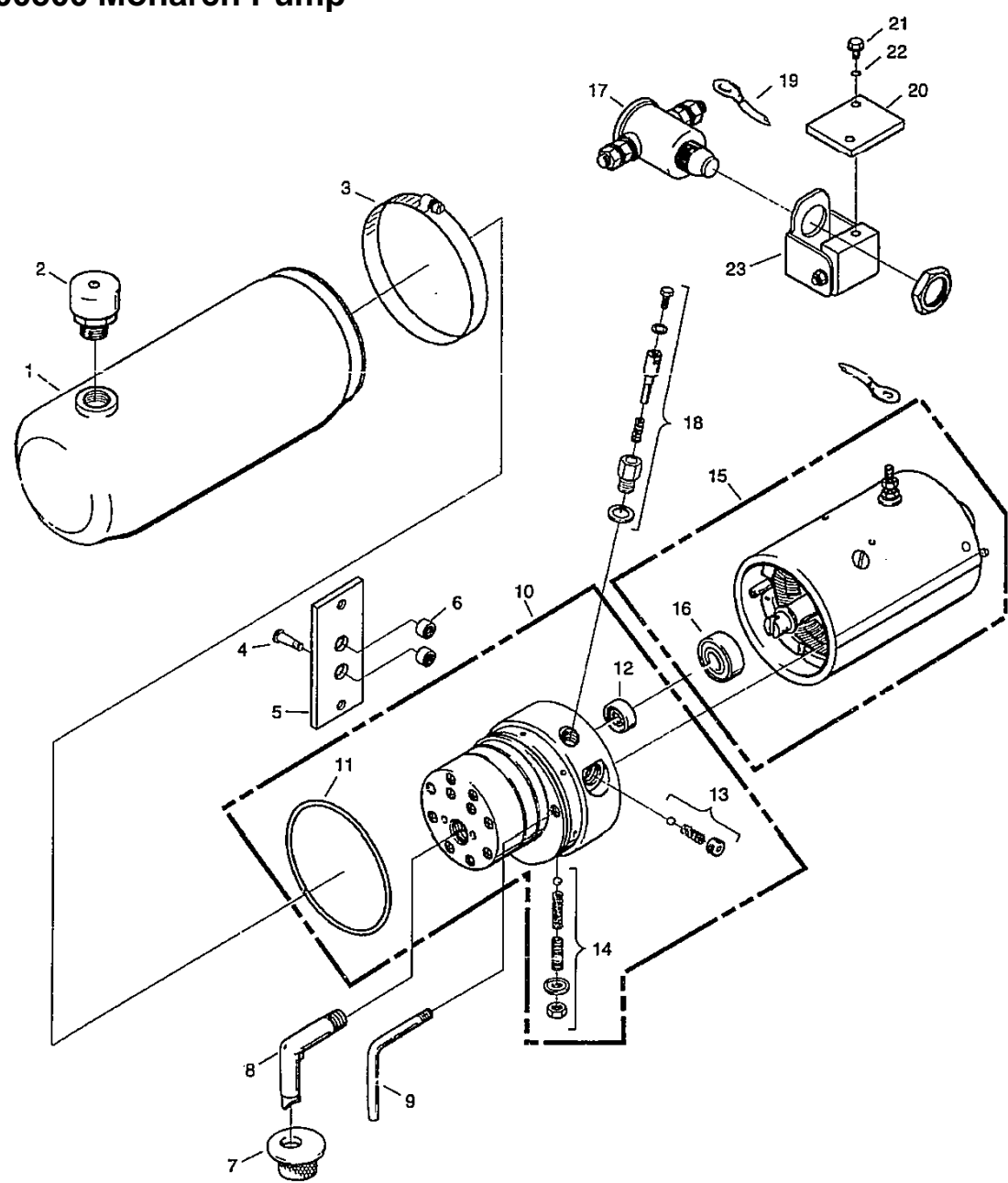
REVISED: 8-16-02
E.O. 4839
REV. 04
PM-286

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70092330	4	1/4"-20 x 5/8" Hex Head Screw
2	70092350	1	Bracket Assembly
3	70092351	1	Lever Assembly
4	-----	--	-----
5	70092352	1	Spring & Retainer Kit
6	70092304	1	Start Switch
7	70092305	1	Pump Assembly
8	70091717	1	O-Ring
9	70092307	1	Plunger
10	70091718	1	Check Valve (Main)
11	70091719	1	Seal & Gasket
12	70092310	1	Check Valve (Descending)
13	70092355	1	Relief Valve
14	70092312	1	Motor (12 VDC Electric)
15	70091721	1	Bearing (Motor Base)
16	70091722	1	5/16"-24 Hex Nut
17	70091723	1	5/16" Lock Washer
18	70091724	4	1/4" Start Washer
19	70091725	2	1/4" Lock Washer
20	70091726	2	1/4"-20 x 6-1/2" Hex Head Screw
21	70092356	1	Bracket
22	70092357	2	Screw
23	70091730	1	Filter Screen (Suction)
24	70091731	1	3/8" NPT 90° Filter Suction Tube
25	70092325	1	Reservoir
26	70091734	1	Breather
27	70091738	6	10-24 x 3/8" Screw
28	70092328	1	1/8" NPT Return Tube
29	70092402	1	6 Ga. x 4-1/2" Cable Assembly
30	22190501	1	Pump Box Assembly (Optional)

NOTE: When ordering entire pump unit, order by appropriate liftgate model

LIFTGATE	PUMP UNIT
E-25	26295050
C-SERIES	22195050

70400225, 70400300, 70400500 Monarch Pump



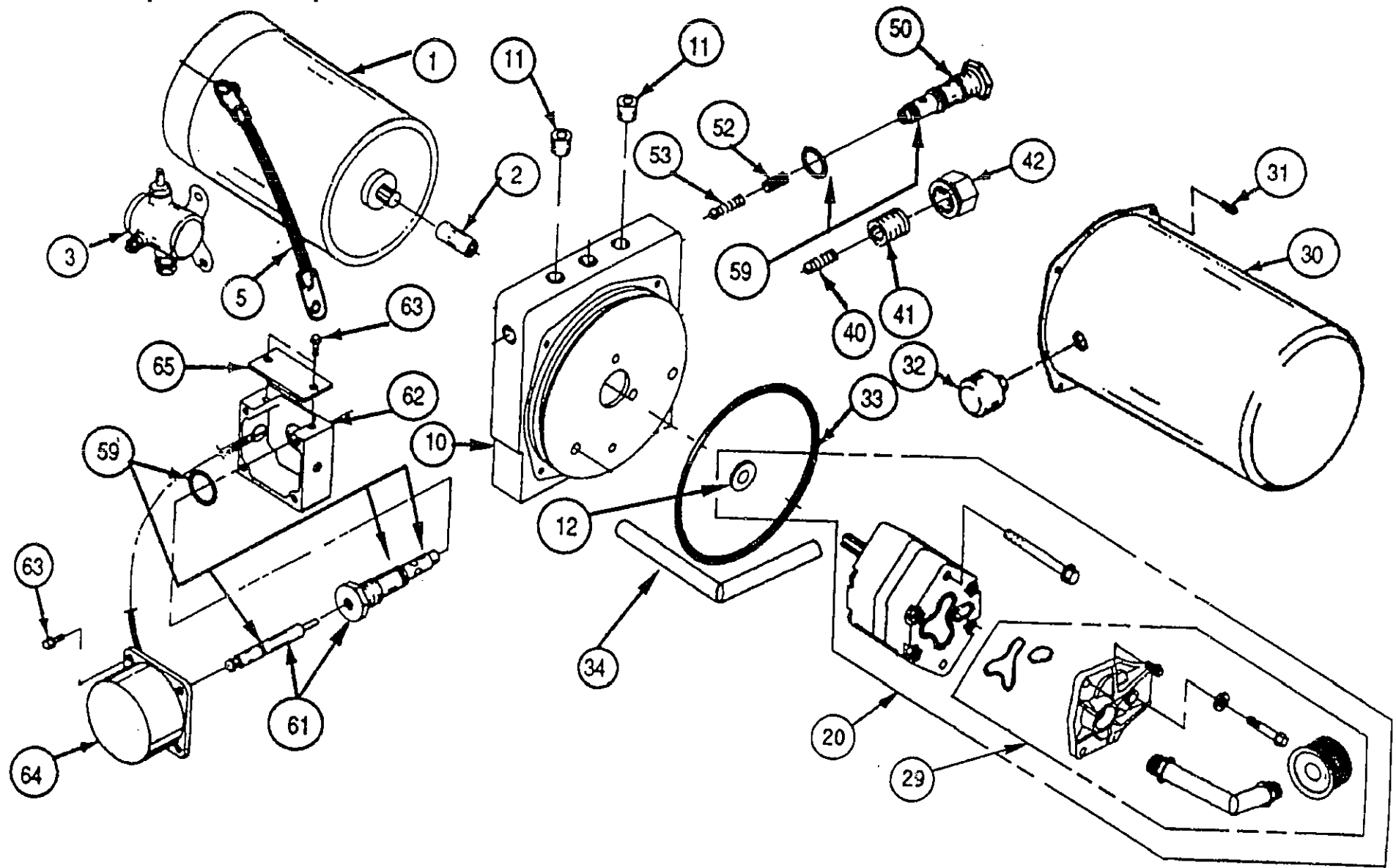
WALTCO
TRUCK EQUIPMENT CO.
70400225, 70400300,
70400500

REVISED: 5-23-97
E.O. 3216
REV. 01

PM-398

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400001	1	Reservoir, Plastic, 4.5" x 13"
2	70400004	1	Plug, vent, 3/8" NPT
3	70400002	1	Clamp, Hose Worm Gear (M-Series)
4	70400482	2	Screw, Flat Head Cap, 3/8"-16 x 1-1/4"
5	70400481	1	Bracket, Plate Mount
6	70091728	2	Spacer
7	70091730	1	Screen, Filter (Suction)
8	70091731	1	Tube, Filter Suction, 3/8" NPT 90°
9	70092328	1	Tube, Return 90°
10	70400478	1	Pump Assembly, Gear Code 03
11	70091717	1	"O" Ring
12	70400006	1	Seal
13	70091718	1	Parts Kit, Ball Check
14	70092355	1	Parts Kit, Relief Valve
15	70092359	1	Motor, Electric 12 VDC
16	70091721	1	Bearing, Base Motor
17	70092304	1	Switch
18	70092307	1	Parts Kit, Plunger
19	70092402	1	Cable with Lugs
20	70400479	1	Adapter
21	70400483	1	Screw
22	70400484	1	Washer
23	70400480	1	Bracket Assembly

Solenoid Operated Pump Unit



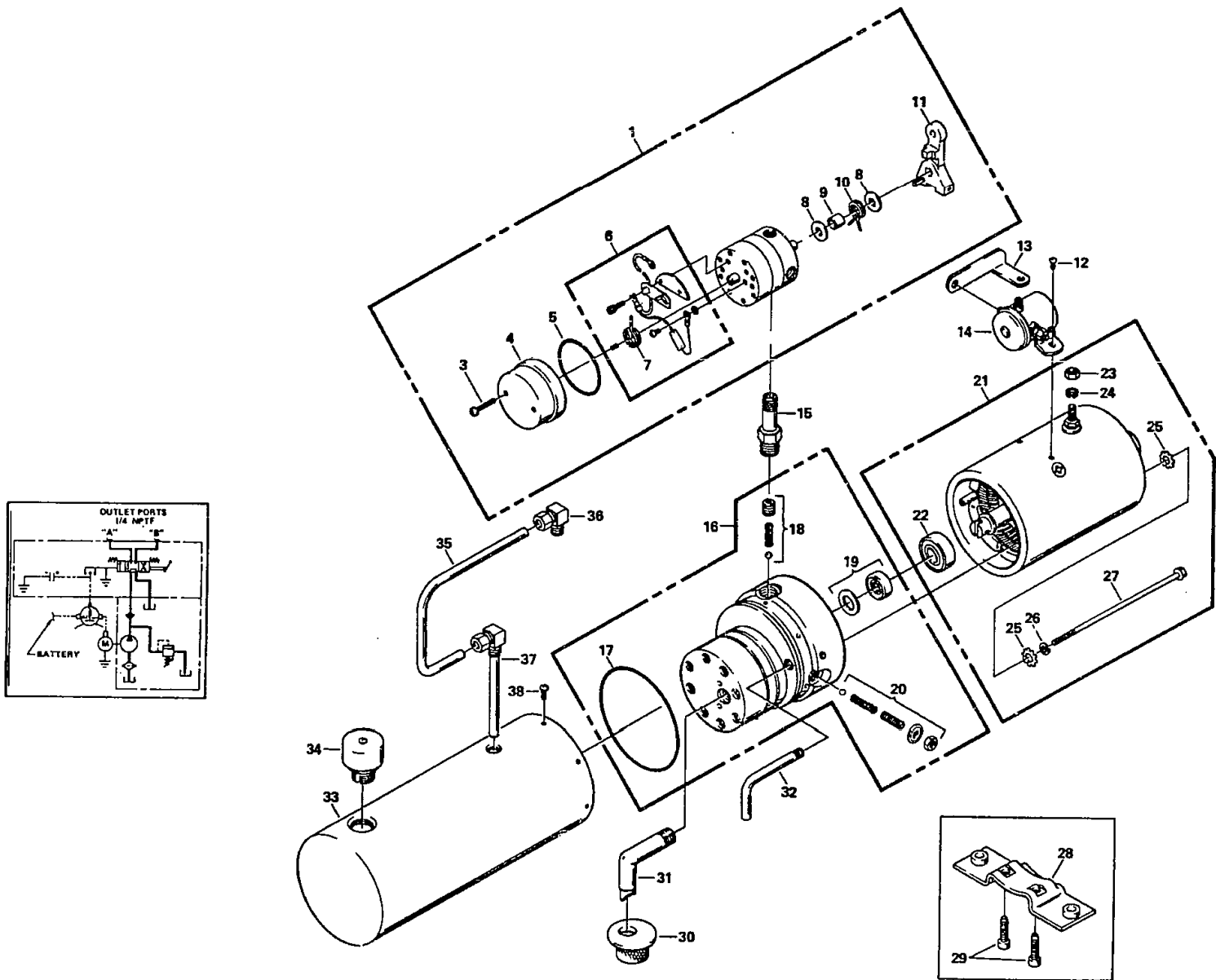
WALTCO
TRUCK EQUIPMENT CO.
30195000, 33095001,
33595001

REVISED: 12/1/03
E.O. 5221
REV. 04
PM-111B

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70392900	1	Motor
2	70091618	1	Coupling
3	75089822	1	Starter Solenoid
5	70091260	1	Terminal Cable Assembly
10	70091274	1	End Head
11	70091291	2	Plug
12	70091629	1	Shaft Seal
20	70091615	1	Pump Assembly Kit
29	70091758	1	Suction Cover Kit
30	70091262	1	Reservoir
31	70091265	4	Screw
32	70091270	1	Breather Cap
33	75000027	1	“O” Ring
34	70091493	1	Return Tube
40	70091249	1	Ball
	70091250	1	Spring
41	70091295	1	Check Cap Assembly
42	70091294	1	Relief Cap Assembly
50	70091395	1	Check Cap Assembly
52	70091696	1	Spring Retainer
53	70091281	1	Spring & Ball Assembly
59			Valve Seal Kit
	75000025	1	“O” Ring
	75000026	2	“O” Ring
	75000036	2	“O” Ring
	70091297*	2	Seal Ring
61	80000722	1	Release Cap Stem Assembly Kit
62	70091358*	1	Solenoid Bracket
63	70091352*	6	Screw
64	70091631	1	Solenoid
65	70091353*	1	Cover

* Items included in switch kit 70091679

20295000 MANUALLY OPERATED POWER UP AND DOWN PUMP UNIT



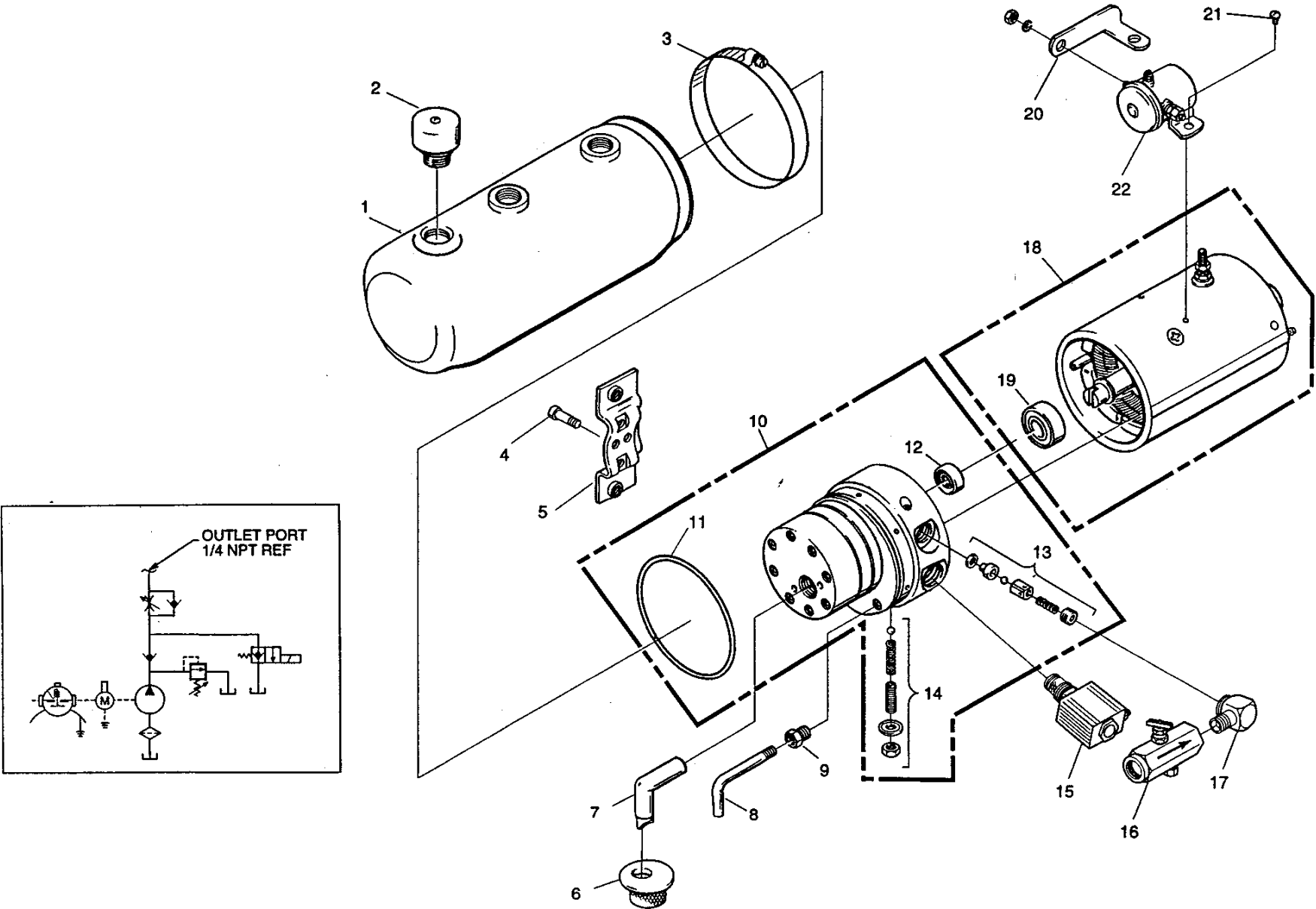
WALTCO
TRUCK EQUIPMENT CO.
20295000

REVISED: 3-92

PM-247A

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70121000	1	Valve Assembly Complete
3	70091703	2	#10-24 x 1-1/8" Truss Screw
4	70091704	1	Cover (Condenser, Contact)
5	70091705	1	"O" Ring 2.3125 x 2.5 x .0937
6	70091706	1	Parts Kit (Electrical)
7	70091707	1	Contact Spring
8	70091708	2	5/16" Flat Washer
9	70091709	1	Bushing (Torsion Spring)
10	70091710	1	Torsion Spring
11	70091711	1	Handle Assembly
12	70091712	2	#10-32 x 1/4" Round Head Screw
13	70091713	1	Switch Mounting Bracket
14	70091714	1	Solenoid Switch
15	70091715	1	Adapter (Pump/Valve)
16	70091716	1	Pump Assembly
17	70091717	1	"O" Ring 3.625 x 3.875 x .125
18	70091718	1	Parts Kit (Check Valve, Main)
19	70091719	1	Seal & Gasket
20	70092355	1	Relief Valve
21	70091739	1	Motor Only
22	70091721	1	Bearing (Base, Motor)
23	70091722	1	5/16"-24 hex Nut
24	70091723	1	5/16" Lock Washer
25	70091724	4	1/4" Star Washer
26	70091725	2	1/4" Lock Washer
27	70091726	2	1/4"-20 x 6-1/2" Hex Screw
28	70092371	1	Bracket (Mount Plate)
29	70092357	2	5/16"-18 x 1-1/16" Screw
30	70091730	1	Filter
31	70091731	1	3/8" NPT 90° Tube
32	70091732	1	1/8" NPT Return Tube
33	70091733	1	Reservoir
34	70091734	1	Breather
35	70091735	1	Return Tube (Reservoir)
36	70091736	1	90° 3/8" x 1/4" NPT Elbow Assembly
37	70091737	1	90° Elbow Assembly
38	70091738	6	#10-24 x 3/8" Thread Forming Screw

70400000 SOLENOID OPERATED



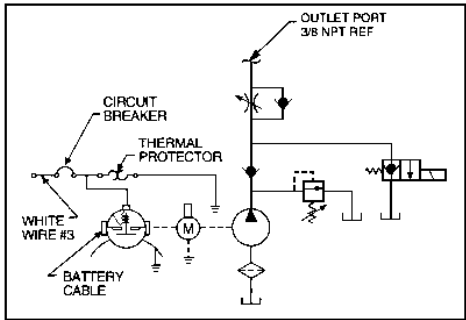
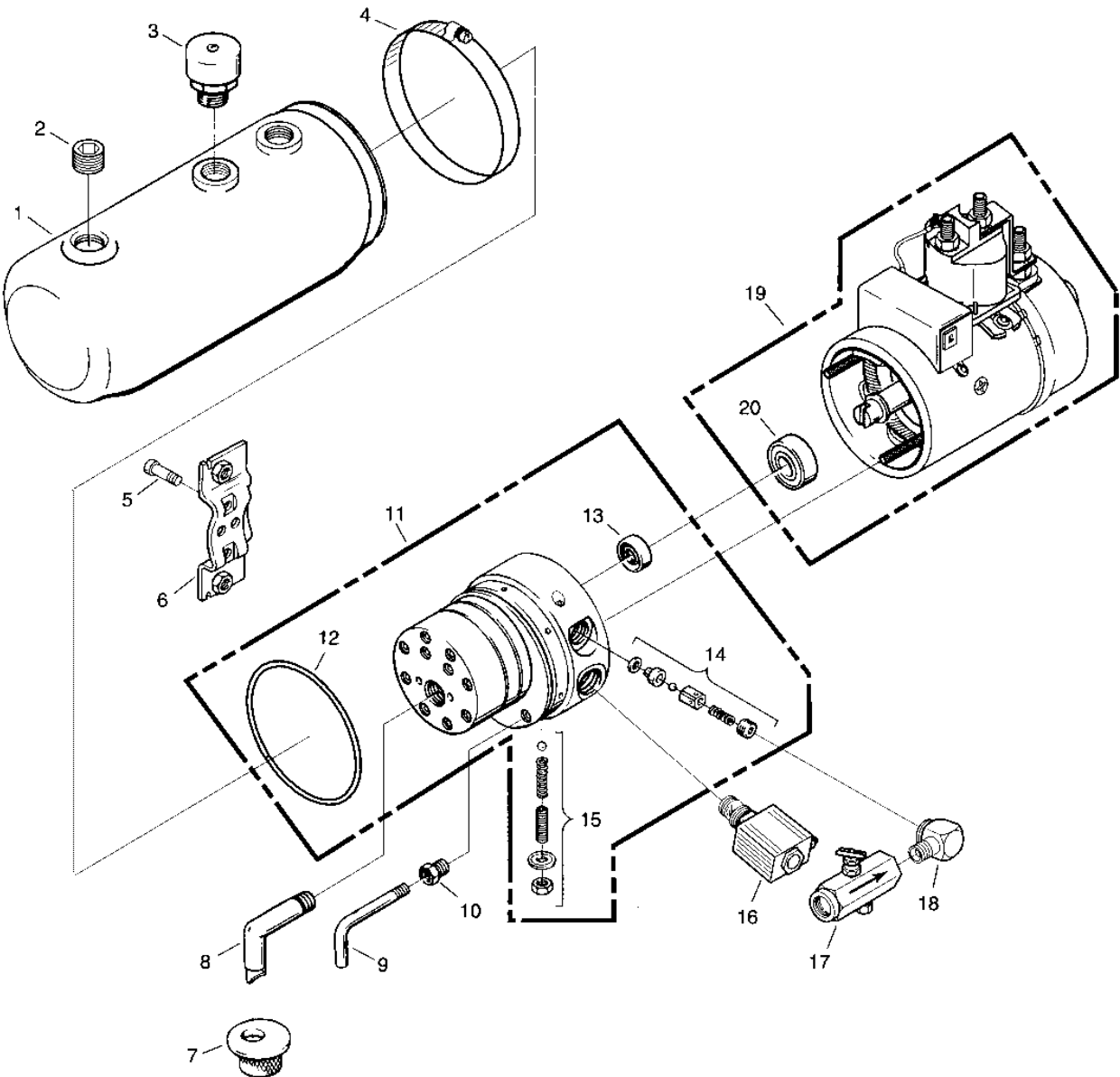
WALTCO
TRUCK EQUIPMENT CO.
70400000

REVISED: 12-20-96
E.O. 3027
REV. 02

PM-352

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400001	1	Reservoir, Plastic
2	70400004	1	Breather
3	70400002	1	Clamp
4	70092357	2	Screw
5	70400008	1	Bracket
6	70091730	1	Screen
7	70091731	1	Tube
8	70091732	1	Tube
9	70092504	1	Bushing
10	70400005	1	Pump Assembly Kit (includes items 11-14)
11	70091717	1	"O" Ring
12	70400006	1	Seal
13	70400007	1	Valve Assembly
14	70092355	1	Relief Valve Assembly
15	70400003	1	Valve
16	70189860	1	Valve
17	75082611	1	Elbow
18	70092312	1	Motor Kit (includes item 19)
19	70091721	1	Bearing
20	70091713	1	Strap
21	70091712	2	Screw
22	75089822	1	Solenoid

70400700 GRAVITY DOWN THERMALPAK®



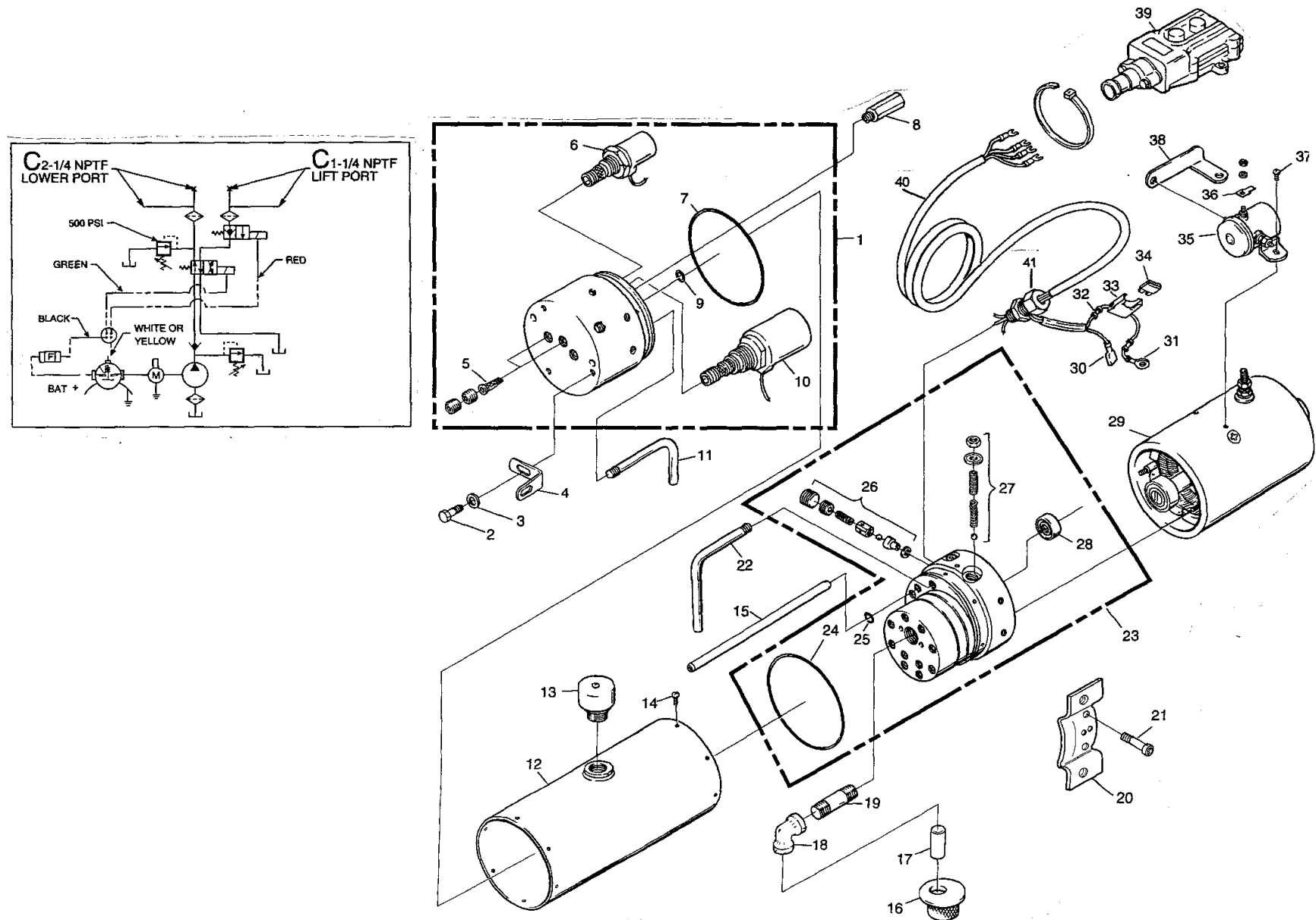
WALTCO
TRUCK EQUIPMENT CO.

REVISED: 10-08-99
E.O. 3659
REV. 01

PM-510

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400010	1	Reservoir
2	70091291	1	Plug
3	70400004	1	Plug, Vent
4	70400002	1	Clamp
5	70400011	2	Screw, 3/8-16 x 1", Flat Head Cap
6	70400008	1	Bracket, Plate Mount
7	70091730	1	Screen, Filter (Suction)
8	70091731	1	Tube, Filter suction
9	70091732	1	Tube, Return
10	70092504	1	Bushing
11	70400005	1	Pump Assembly
12	70091717	1	O-ring
13	70400006	1	Seal
14	70400007	1	Valve Assembly
15	70092355	1	Relief Valve Assembly
16	70400003	1	Valve
17	70189860	1	Valve, Adjustable Flow Control
18	70400009	1	Elbow, 90°
19	70400851	1	Motor Kit (includes Item 20)
20	70091721	1	Bearing

70400025 POWER DOWN



WALTCO
TRUCK EQUIPMENT CO.
70400025

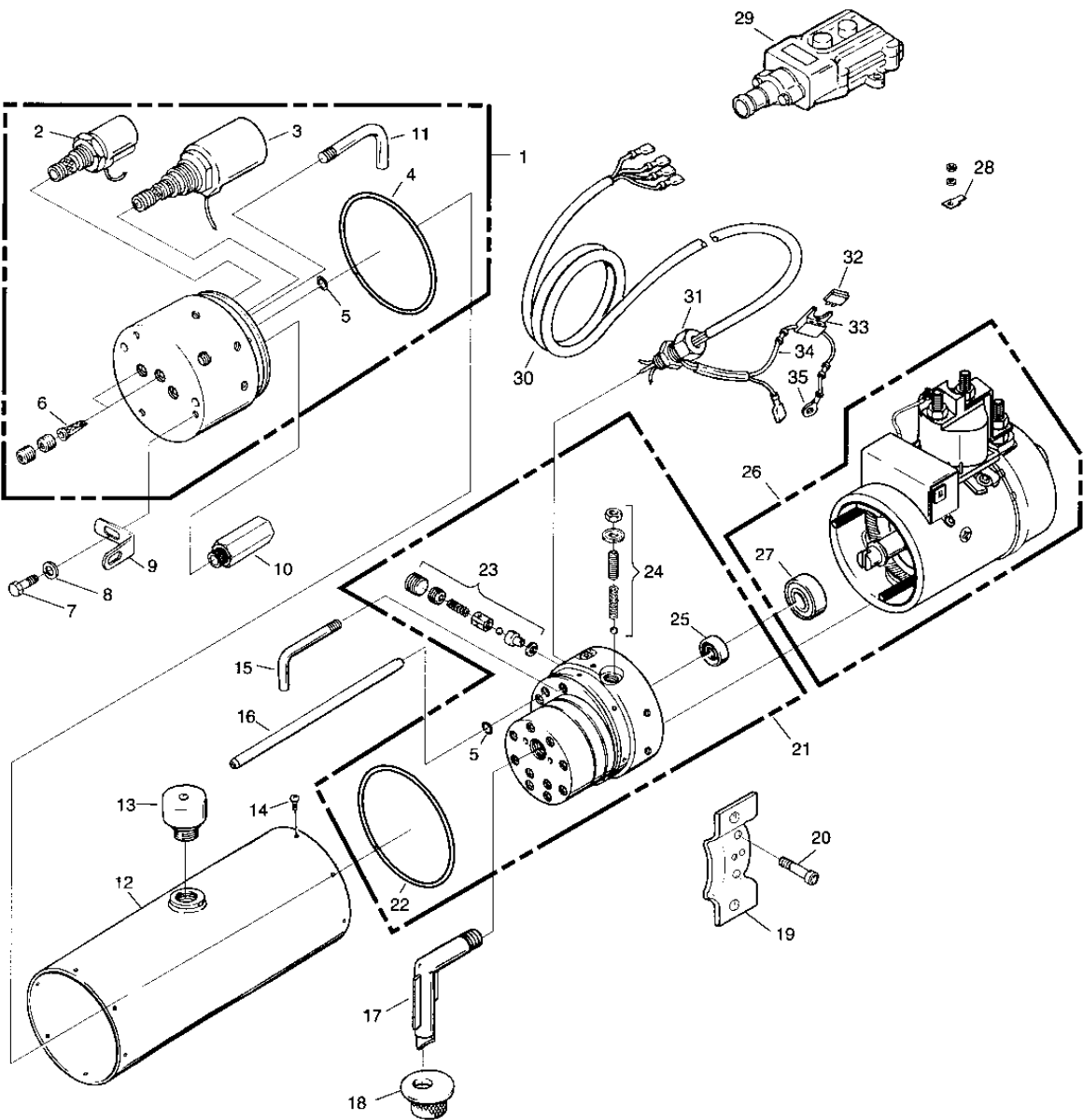
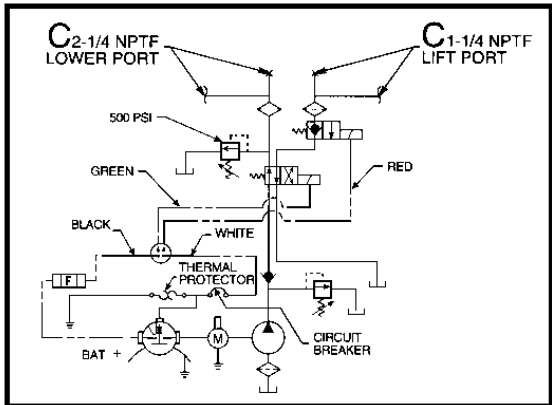
REVISED: 7-14-95

PM-354

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400048	1	Valve Assembly Kit (Includes items 5, 6, 7, 9, 10)
2	70400034	1	Screw
3	70400028	1	Washer
4	70400029	1	Bracket
5	70400030	2	Filter
6	70092418	1	Valve, 2 Way
7	70091717	1	"O" Ring
8	70400031	1	Relief Valve Assembly
9	70400032	1	"O" Ring
10	70400033	1	Valve, 4 Way
11	70091732	1	Tube
12	70400027	1	Reservoir
13	70400004	1	Breather
14	70091738	12	Screw
15	70400036	1	Tube
16	70091730	1	Screen
17	70400037	1	Tube
18	70400038	1	Elbow
19	70400039	1	Nipple
20	70400008	1	Bracket
21	70092357	2	Screw
22	70092328	1	Tube
23	70400041	1	Pump Assembly Kit (Includes items 24-28)
24	70091717	1	"O" Ring
25	70400042	1	"O" Ring
26	70400007	1	Valve Assembly
27	70092355	1	Relief Valve Assembly
28	70400006	1	Seal
29	70091739	1	Motor
30	70400043	1	Terminal
31	70400044	1	Terminal
32	70400045	1	Terminal
33	75089850	1	Housing
34	75089852	1	Fuse
35	75089822	1	Solenoid
36	70400035	1	Terminal
37	70091712	2	Screw
38	70091713	1	Strap

ITEM	PART NUMBER	QTY	DESCRIPTION
39	75089798	1	Control Box
40	70400046	1	Cord Assembly
41	70400047	1	Fitting Assembly

70400725 POWER DOWN THERMALPAK®



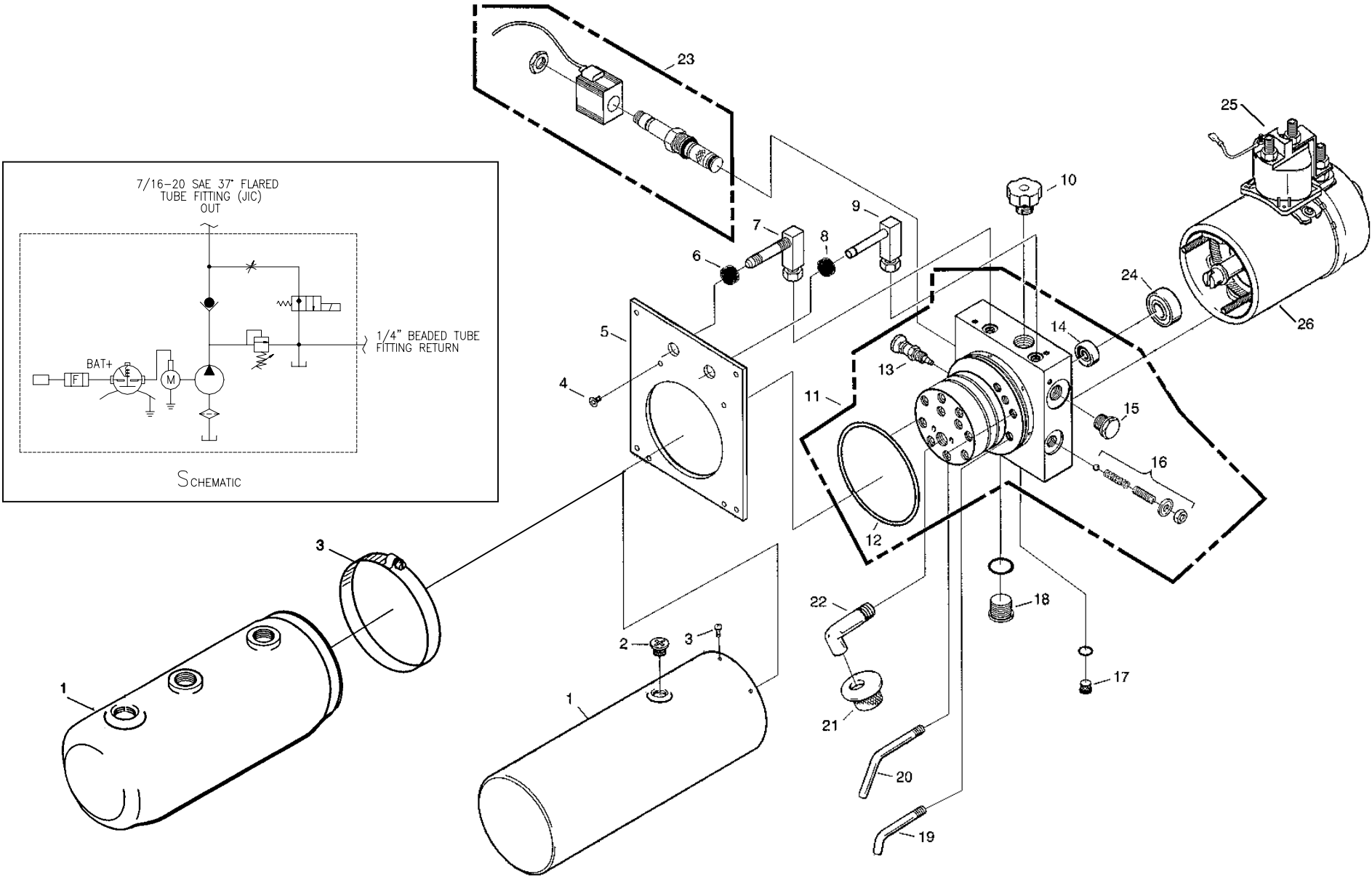
WALTCO
TRUCK EQUIPMENT CO.

REVISED: 10-08-99
E.O. 3659
REV. 01

PM-511

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70400048	1	Valve Assembly Kit (Includes Items 2, 3, 4, 5, 6, 11)
2	70092418	1	Valve, 2 Way
3	70400033	1	Valve, 4 Way
4	70091717	1	O-Ring
5	70400032	2	O-Ring
6	70400030	2	Filter
7	70400034	1	Screw, 5/16-18 x 5/8" Hex Head Cap
8	70400028	1	Washer, 5/16" Flat
9	70400029	1	Bracket, Angle Mounting
10	70400012	1	Relief Valve Assembly
11	70091732	1	Tube, Return
12	70400027	1	Reservoir
13	70400004	1	Plug, Vent
14	70091738	12	Screw, Self-tapping
15	70092328	1	Tube, Return
16	70400036	1	Tube, Pressure
17	70400476	1	Tube, Suction
18	70091730	1	Screen, Filter (Suction)
19	70400008	1	Bracket, Plate Mount
20	70400011	2	Screw, 3/8-16 x 1"
21	70400041	1	Pump Assembly
22	70091717	1	O-Ring
23	20400007	1	Valve Assembly
24	70092355	1	Relief Valve Assembly
25	70400006	1	Seal
26	70400851	1	Motor Assembly (Includes Item 27)
27	70091721	1	Bearing
28	70400035	1	Terminal 1/4" Slip On
29	75089798	1	Control Box
30	70400046	1	Cord
31	70400047	1	Strain Relief
32	75089853	1	Fuse
33	75089850	1	Fuse holder
34	70400045	1	Terminal
35	70400044	1	Terminal

70401400, 70401700, 70401900 GRAVITY DOWN ELECTROPAK®



WALTCO
TRUCK EQUIPMENT CO.
F, C, E, EZL

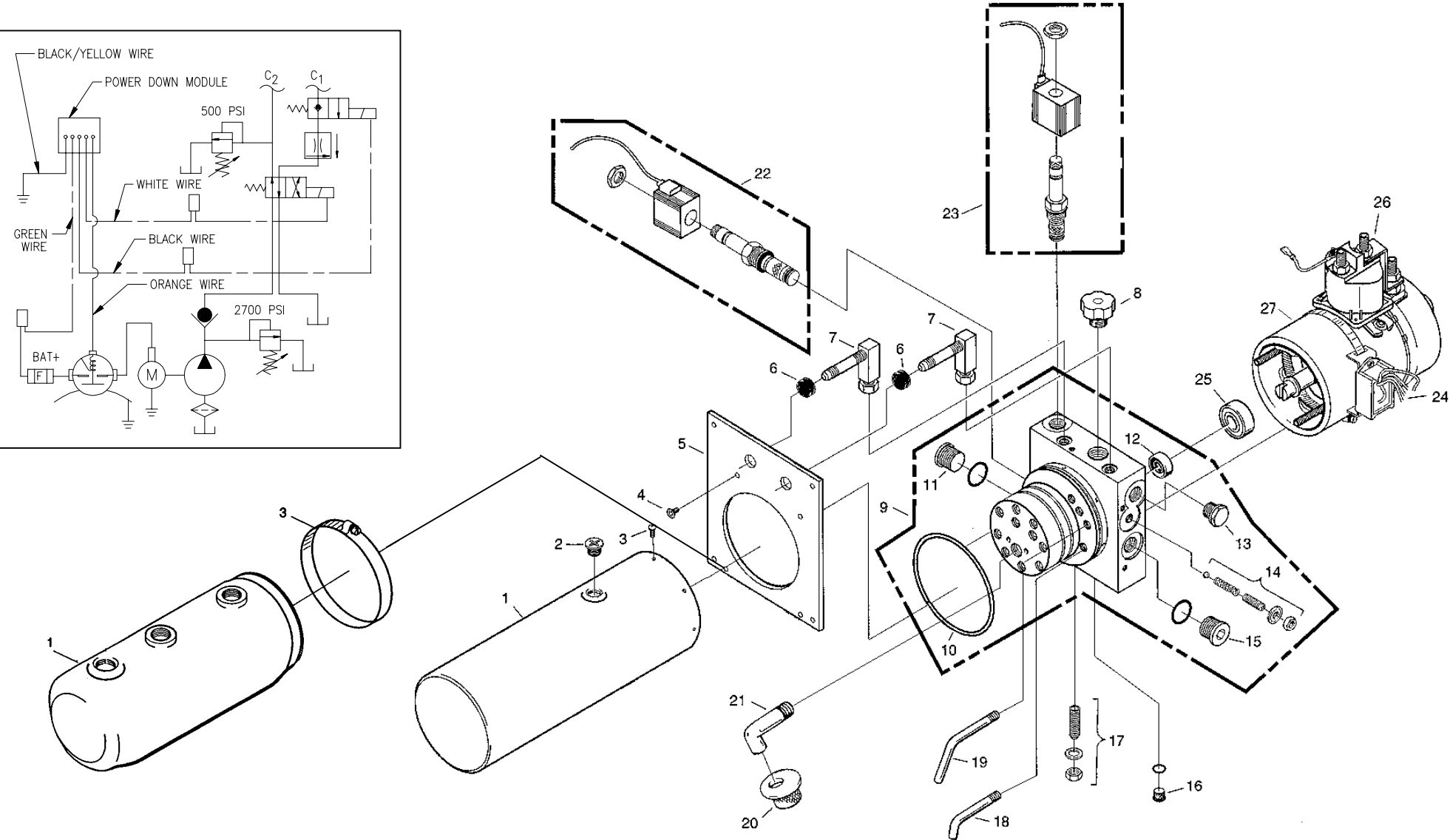
REVISED: 4-30-04
E.O. 5140
REV. 03

PM-555

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401456 ^B	1	Reservoir (Metal)
	70400001 ^C	1	Reservoir (Plastic)
2	70400055	1	Breather Plug
3	70091738 ^B	6	Screw, 10-24 x 3/8" lg. (For Metal Reservoir)
	70400002 ^C	1	Clamp (For Plastic Reservoir)
4	75086000 ^A	4	Screw, socket flat head cap, 1/4-20
5	70401407 ^A	1	Plate
6	70401408	1	Grommet
7	70401435	1	Fitting, male 7/16" SAE 37° Flare
8	70401409	1	Grommet
9	70401430	1	Fitting, barbed
10	70091734	1	Breather
11	70401410	1	Pump Assembly
12	70091717	1	O-ring
13	70401411	1	Flow Control Valve
14	70400006	1	Seal
15	70401412	1	Sight Glass
16	70401413	1	Relief Valve
17	70401415	1	Drain Plug
18	70401414	1	Plug, Check valve
19	70401406	1	Return Tube
20	70401405	1	Return Tube
21	70091730	1	Filter
22	70091731	1	Suction Tube
23	70401476	1	Valve, 2-way/2pos
24	70091721	1	Bearing
25	75089831	1	Starter Solenoid
26	70092312	1	Motor

^A Used on 70401400 only.
^B Used on 70401400 and 70401700 only.
^C Used on 70401900 only.

70401425, 70401725, 70401925 POWER DOWN ELECTROPAK®



WALTCO
TRUCK EQUIPMENT CO.
F, C, E, EZL

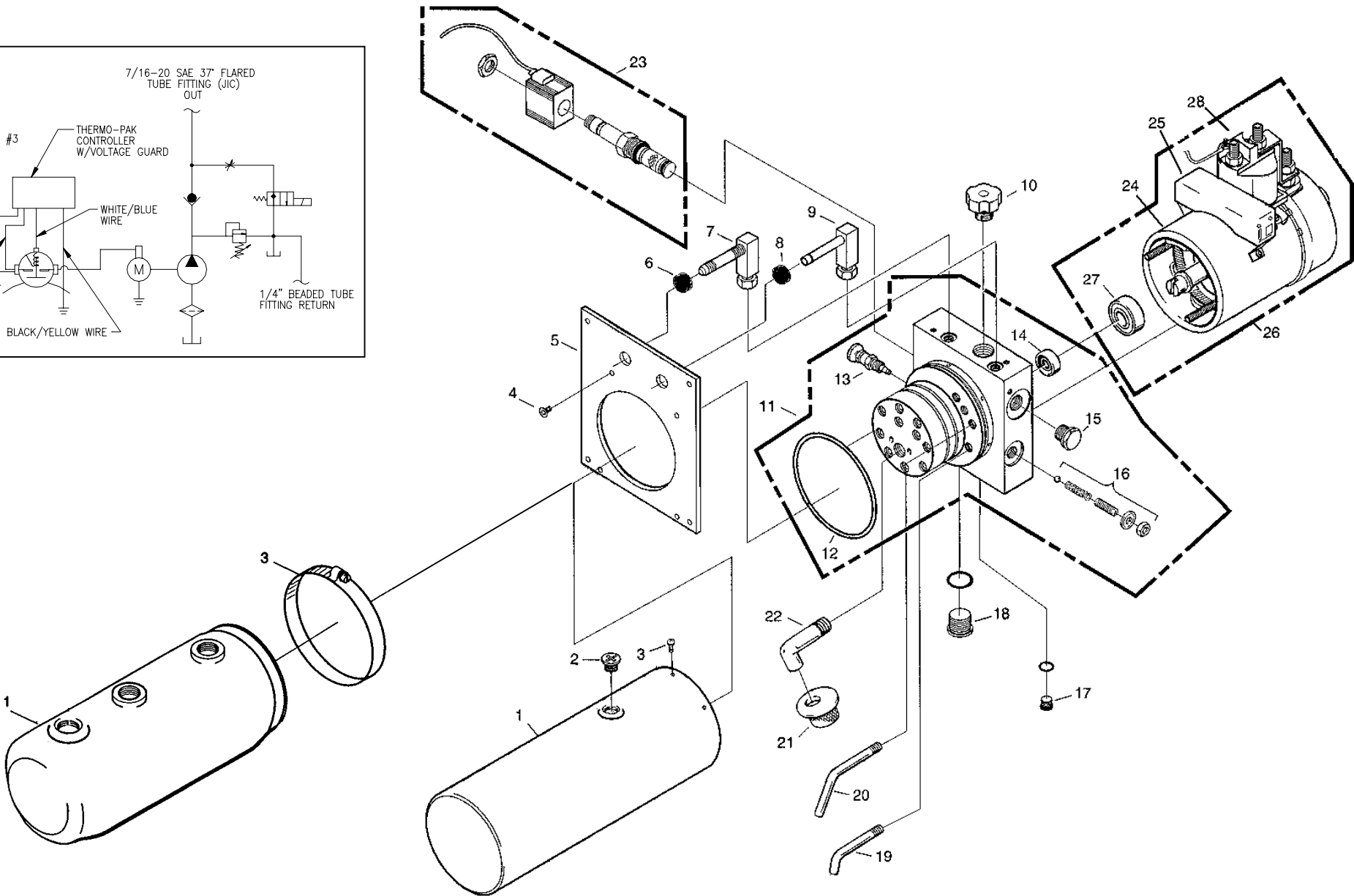
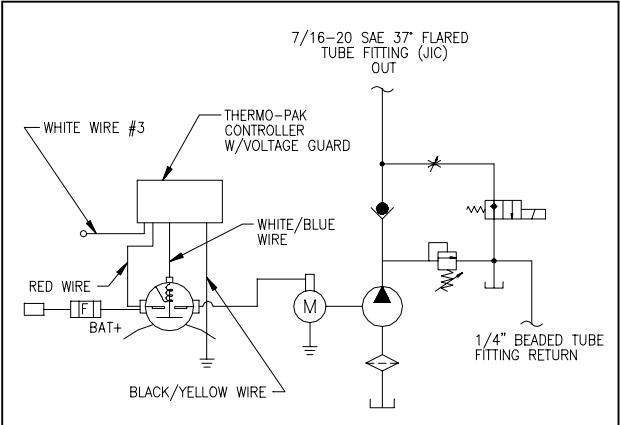
REVISED: 4-30-04
E.O. 5140
REV. 03

PM-556

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401456 ^B	1	Reservoir (Metal)
	70400001 ^C	1	Reservoir (Plastic)
2	70400055	1	Breather Plug
3	70091738 ^B	6	Screw, 10-24 x 3/8" lg. (For Metal Reservoir)
	70400002 ^C	1	Clamp (For Plastic Reservoir)
4	75086000 ^A	4	Screw, socket flat head cap, 1/4-20
5	70401407 ^A	1	Plate
6	70401408	1	Grommet
7	70401435	1	Fitting, male 7/16" SAE 37° Flare
8	70091734	1	Breather
9	70401419	1	Pump Assembly
10	70091717	1	O-ring
11	70401414	1	Plug, Check valve
12	70400006	1	Seal
13	70401412	1	Sight Glass
14	70401413	1	Relief Valve
15	70092400	1	Plug
16	70401415	1	Drain Plug
17	70401413	1	Relief Valve
18	70401406	1	Return Tube
19	70401405	1	Return Tube
20	70091730	1	Filter
21	70091731	1	Suction Tube
22	70401477	1	Valve, 4-way/2pos
23	70401476	1	Valve, 2-way/2pos
24	10099303	1	Power Down Module
25	70091721	1	Bearing
26	75089831	1	Starter Solenoid
27	70092312	1	Motor

^A Used on 70401425 only.
^B Used on 70401425 and 70401725 only.
^C Used on 70401925 only.

70401450, 70401750, 70401950 GRAVITY DOWN THERMALPAK® WITH VOLTAGE GUARD™



WALTCO
TRUCK EQUIPMENT CO.
F, C, E, EZL

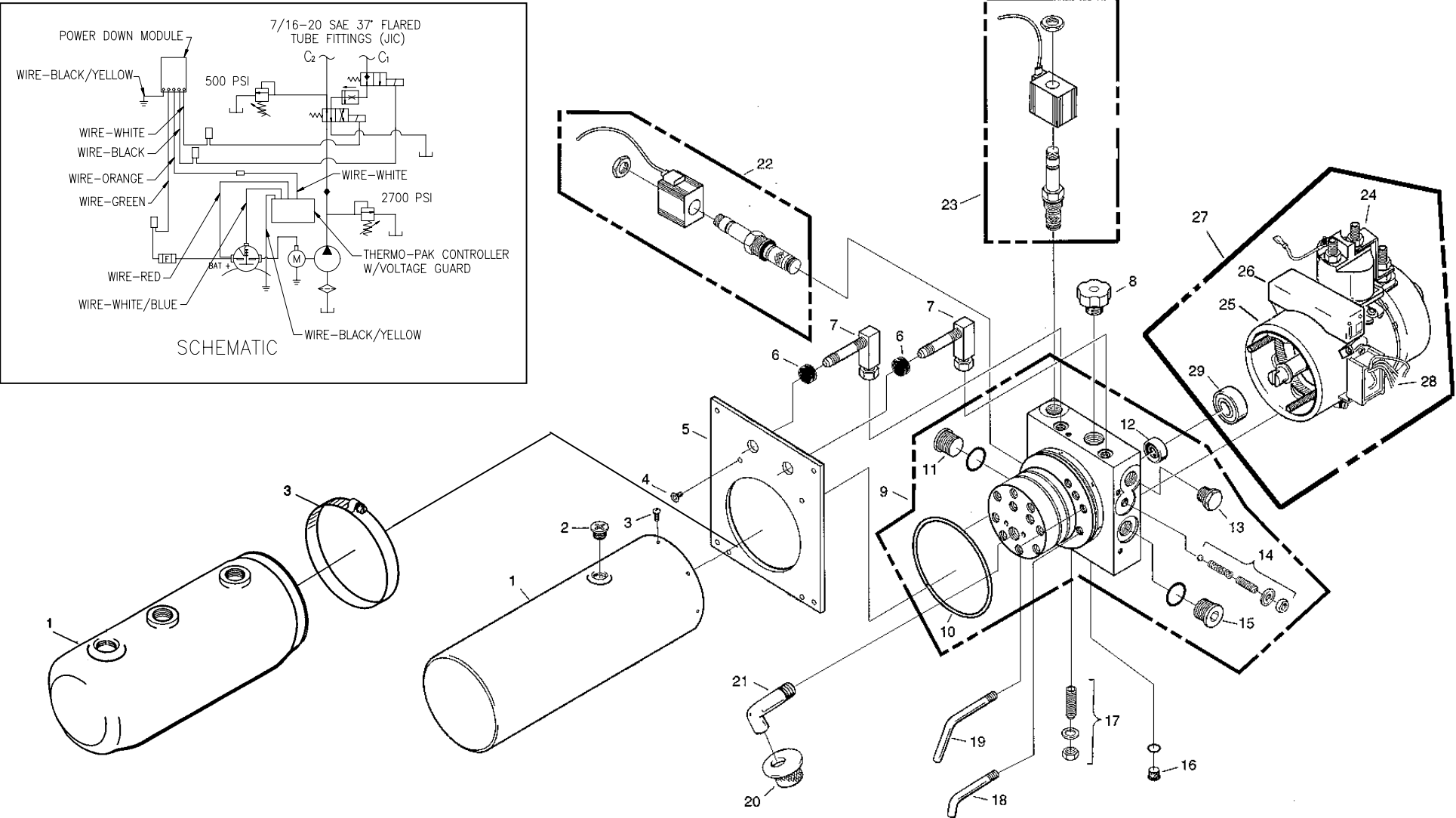
REVISED: 4-30-04
E.O. 5140
REV. 03

PM-558

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401456 ^B	1	Reservoir (Metal)
	70400001 ^C	1	Reservoir (Plastic)
2	70400055	1	Breather Plug
3	70091738 ^B	6	Screw, 10-24 x 3/8" lg. (For Metal Reservoir)
	70400002 ^C	1	Clamp (For Plastic Reservoir)
4	75086000 ^A	4	Screw, socket flat head cap, 1/4-20
5	70401407 ^A	1	Plate
6	70401408	1	Grommet
7	70401435	1	Fitting, male 7/16" SAE 37° Flare
8	70401409	1	Grommet
9	70401430	1	Fitting, barbed
10	70091734	1	Breather
11	70401410	1	Pump Assembly
12	70091717	1	O-ring
13	70401411	1	Flow Control Valve
14	70400006	1	Seal
15	70401412	1	Sight Glass
16	70401413	1	Relief Valve
17	70401415	1	Drain Plug
18	70401414	1	Plug, Check valve
19	70401406	1	Return Tube
20	70401405	1	Return Tube
21	70091730	1	Filter
22	70091731	1	Suction Tube
23	70401476	1	Valve, 2-way/2pos
24	70092312	1	Motor
25	10099300	1	Thermalpak® with Voltage Guard™
26	70400854	1	Motor/Solenoid/Controller
27	70091721	1	Bearing
28	75089831	1	Starter Solenoid

^A Used on 70401450 only.
^B Used on 70401450 and 70401750 only.
^C Used on 70401950 only.

70401475, 70401775, 70401975 POWER DOWN THERMALPAK® WITH VOLTAGE GUARD™



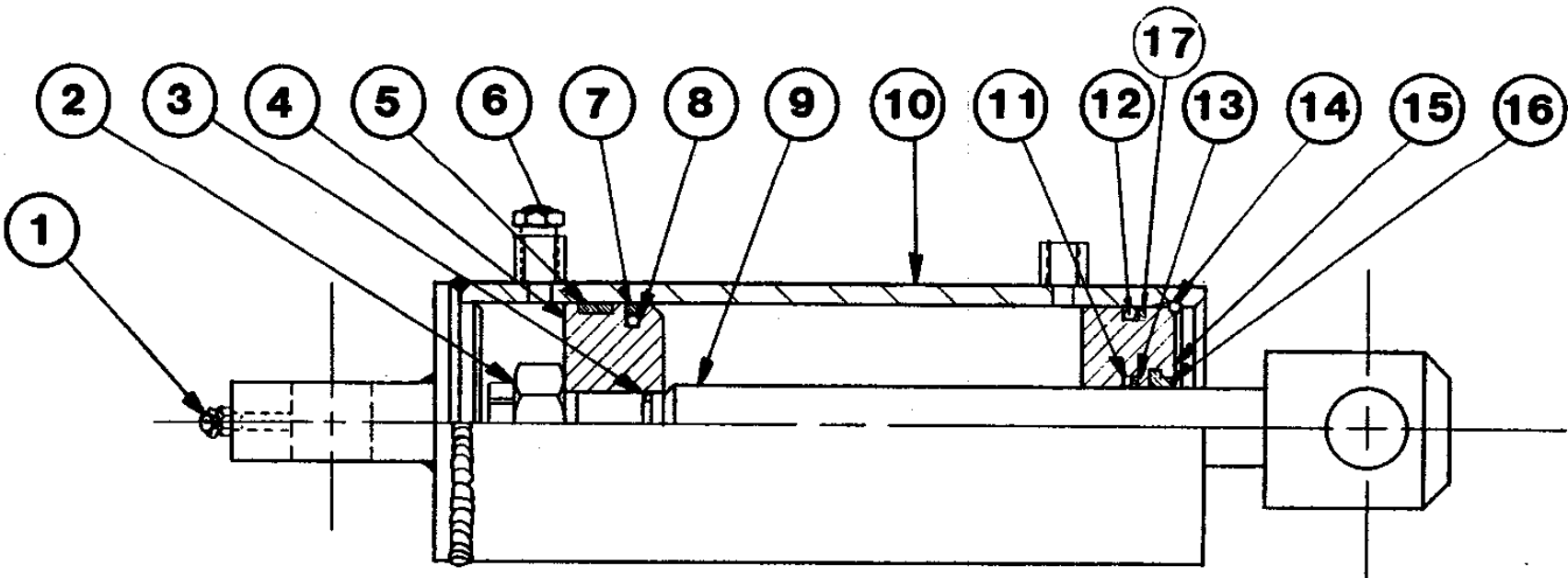
WALTCO
TRUCK EQUIPMENT CO.
F, C, E, EZL

REVISED: 4-30-04
E.O. 5140
REV. 03

PM-559

ITEM	PART NUMBER	QTY	DESCRIPTION
1	70401456 ^B	1	Reservoir (Metal)
	70400001 ^C	1	Reservoir (Plastic)
2	70400055	1	Breather Plug
3	70091738 ^B	6	Screw, 10-24 x 3/8" lg. (For Metal Reservoir)
	70400002 ^C	1	Clamp (For Plastic Reservoir)
4	75086000 ^A	4	Screw, socket flat head cap, 1/4-20
5	70401407 ^A	1	Plate
6	70401408	1	Grommet
7	70401435	1	Fitting, male 7/16" SAE 37° Flare
8	70091734	1	Breather
9	70401419	1	Pump Assembly
10	70091717	1	O-ring
11	70401414	1	Plug, Check valve
12	70400006	1	Seal
13	70401412	1	Sight Glass
14	70401413	1	Relief Valve
15	70092400	1	Plug
16	70401415	1	Drain Plug
17	70401413	1	Relief Valve
18	70401406	1	Return Tube
19	70401405	1	Return Tube
20	70091730	1	Filter
21	70091731	1	Suction Tube
22	70401477	1	Valve, 4-way/2pos
23	70401476	1	Valve, 2-way/2pos
24	75089831	1	Starter Solenoid
25	70092312	1	Motor
26	10099300	1	Thermalpak® with Voltage Guard™
27	70400855	1	Motor/Solenoid/PD module/Controller
28	10099303	1	Power Down Module
29	70091721	1	Bearing

^A Used on 70401475 only.
^B Used on 70401475 and 70401775 only.
^C Used on 70401975 only.



SPECIFICATIONS

RETRACTED 15.50
EXTENDED 22.50
BARREL O.D. 3.88

WALTCO
TRUCK EQUIPMENT CO.
22180050

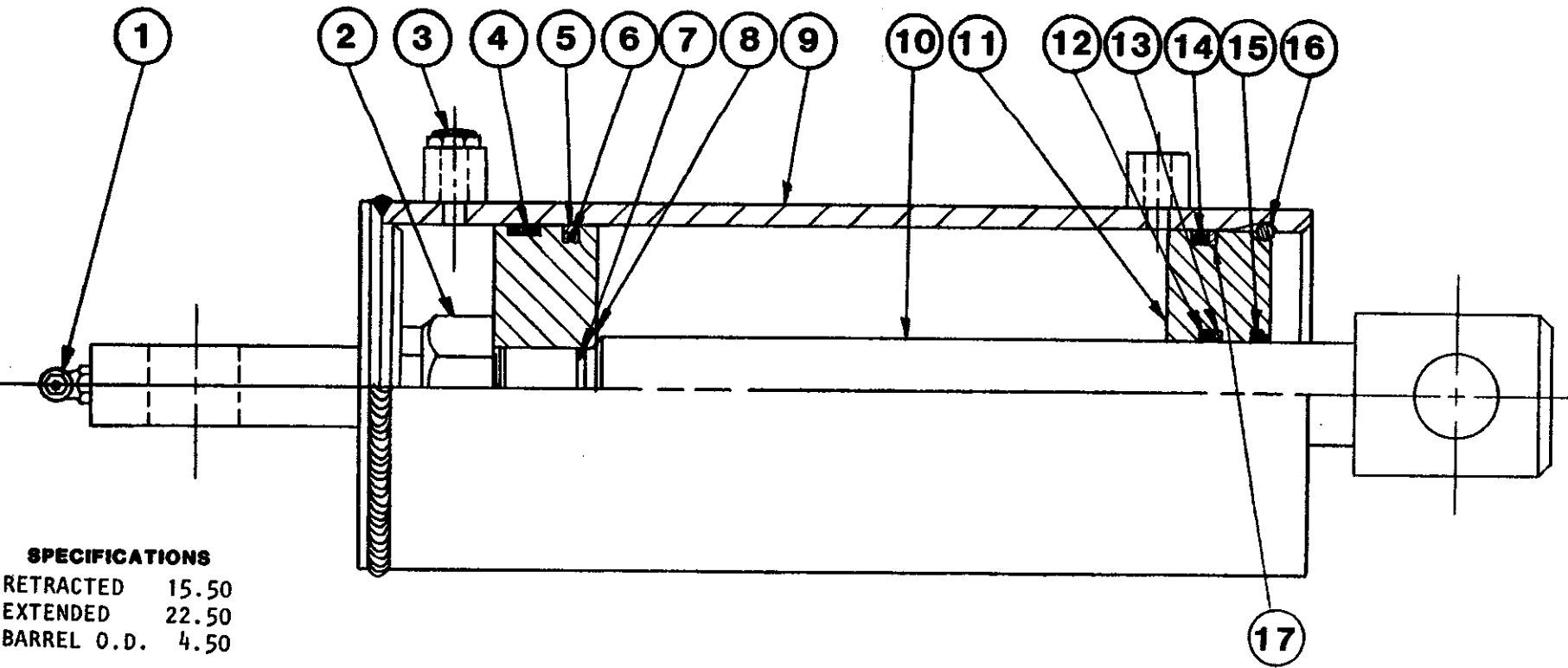
REVISED: 1-89

PM-210

ITEM	PART NUMBER	QTY	DESCRIPTION
1	75089305	1	Grease Fitting 65°
2	75085190	1	Locknut
3	75000033*	1	"O" Ring
4	22181550	1	Piston
5	70270506*	1	Wear Ring
6	75089315	1	Breather
7	70270613*	1	Seal Ring
8	75000047*	1	"O" Ring
9	22181050	1	Shaft Assembly
10	22182050	1	Barrel Assembly
11	75000022*	1	"O" Ring
12	75000032*	1	"O" Ring
13	75000504*	1	Backup Ring
14	22182950	1	Retaining Ring
15	22180250	1	Nose Bearing
16	70270459*	1	Rod Wiper
17	75000508*	1	Backup Ring
18	22180095	1	Repair Kit

* Indicates Parts Included in Repair Kit.

Note: Refer to Cylinder Serial Number
located on the Cylinder Barrel when
ordering Parts.



WALT
CO
TRUCK EQUIPMENT CO.
22280050

REVISED: 1-89

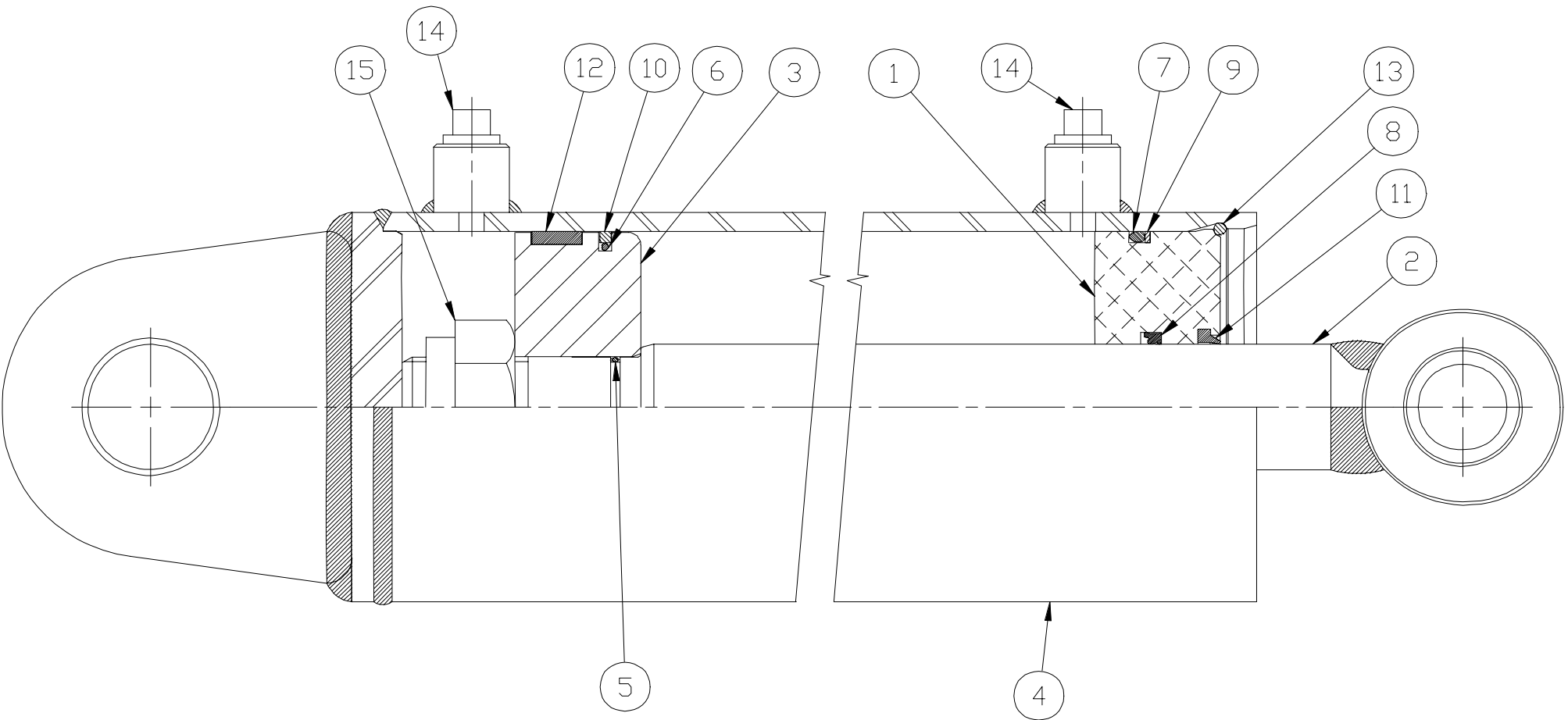
PM-209

ITEM	PART NUMBER	QTY	DESCRIPTION
1	75089305	1	Grease Fitting 65°
2	75085190	1	Locknut
3	75089315	1	Breather
4	70270502*	1	Wear Ring
5	70270620*	1	Seal Ring
6	75000043*	1	"O" Ring
7	75000033*	1	"O" Ring
8	22281550	1	Piston
9	22282050	1	Barrel Assembly
10	22281050	1	Shaft Assembly
11	22280250	1	Nose Bearing
12	75000022*	1	"O" Ring
13	75000504*	1	Backup Ring
14	75000009*	1	"O" Ring
15	70270459*	1	Rod Wiper
16	22282950	1	Retaining Ring
17	75000509*	1	Backup Ring
18	22280095	1	Repair Kit

* Indicates Parts Included in Repair Kit.

Note: Refer to Cylinder Serial Number
located on the Cylinder Barrel when
ordering Parts.

22180010



WALTCO
TRUCK EQUIPMENT CO.
22180010

REVISED: 2-25-00
E.O. 3443A
REV. 01

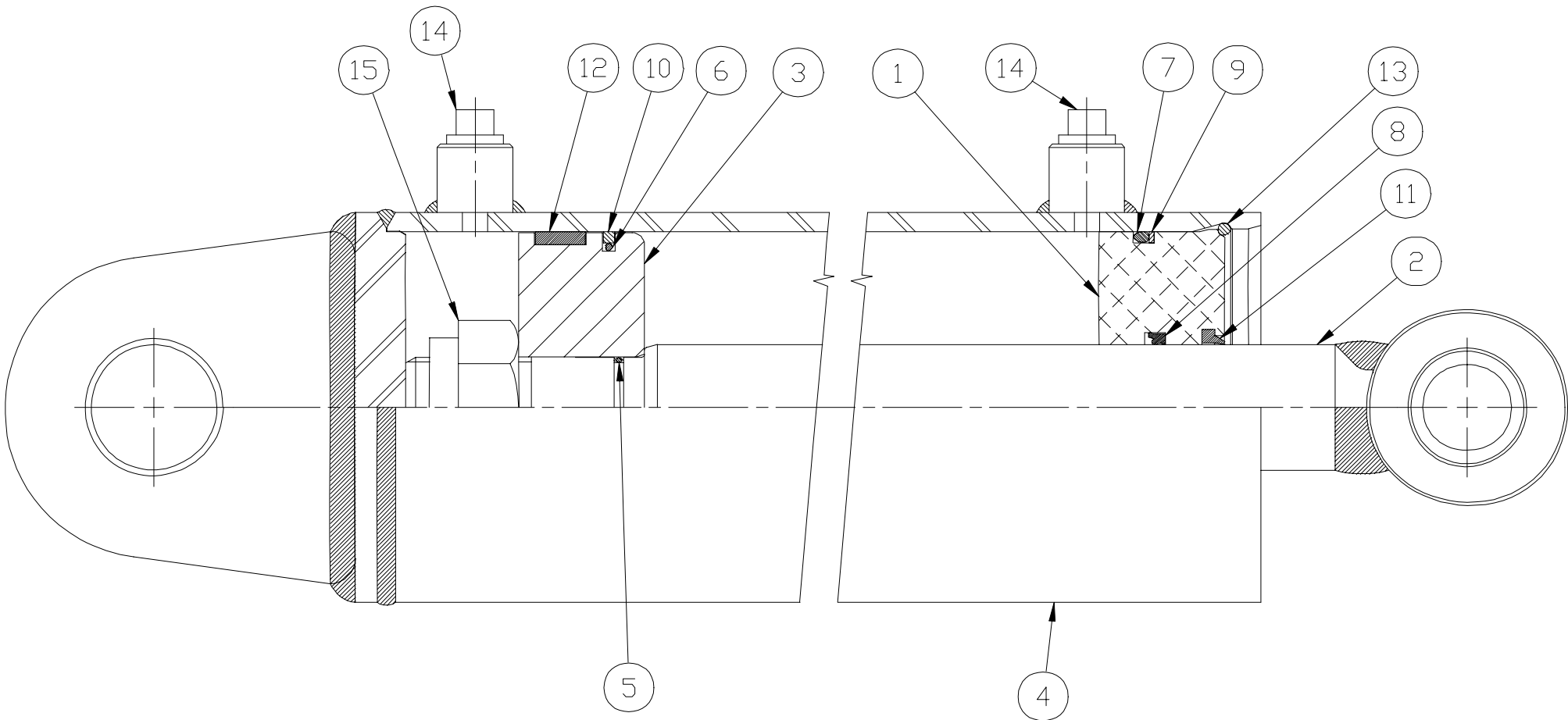
PM-470

ITEM	PART NUMBER	QTY	DESCRIPTION
1	11221-0200	1	Gland
2	11400-1000	1	Rod Assembly
3	11402-1500	1	Piston
4	11402-2000	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	4052	1	Retaining Ring
14	4179	2	Caplug
15	4406	1	Locknut

* Indicates parts included in repair kit number 11402-9500.

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

Example: 11402-XXXXX



WALTCO
TRUCK EQUIPMENT CO.
22280010

REVISED: 2-25-00
E.O. 3443A
REV. 01

PM-471

ITEM	PART NUMBER	QTY	DESCRIPTION
1	11222-0200	1	Gland
2	11400-1000	1	Rod Assembly
3	11400-1500	1	Piston
4	11400-2000	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	4050	1	Retaining Ring
14	4179	2	Caplug
15	4406	1	Locknut

* Indicates parts included in repair kit number 11400-9500.

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

Example: 11400-XXXXX



WALTCO

C Series

TECH TIPS

TT960004	Two piece platforms with 12" folding ramps will have the 90 degree ramp lock installed as standard equipment.
TT000041	Correcting motor grounding problems on "Reduced Installation" Flipaways.
TT000046	Fast filling of hydraulic reservoir, in 30 seconds or less.
TT000053	Elimination of C-15 lift arms. C-15 model liftgates will now use C-20 lift arms.
TT000061	New remote pump mounting kit.
TT010071	The latch on the pump cover for a Reduced Installation pump has been replaced with a new latch.
TT010072A	The seal around the pump cover on the Reduced Installation liftgates can be improved with the use of a new kit (80000745).
TT010080	Locking pin for pump enclosure latch that will keep the latch engaged is available.
TT010081	Flow control adjustment for Gravity Down Flipaway Liftgates.
TT020096	Improved ground clearance and pump cover latching.
TT020102	Commonize on Bed Extensions and release the walkramp option on E-25 and C
TT020116	New identification of hinge assemblies
TT030130	Bed Extension consolidation-Sales
TT030131	Bed Extension consolidation-Parts
TT030138	Storage Instructions
TT030139	Assembly of ring terminals on terminal posts.
TT030146	Lubrication of Reduced Maintenance Bearings
TT040002	New Plastic Pump reservoir for F, C, & E Series



WALTCO TECH TIPS

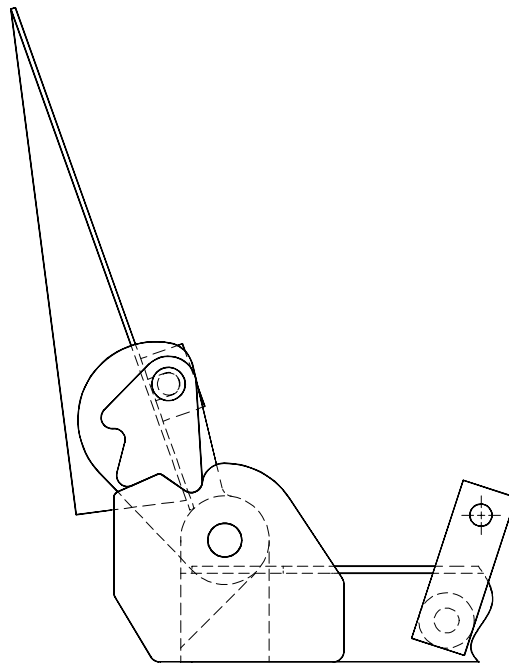
Date: 9-5-96
No. TT960004
Model: F, FSL, SL
EO No. 2222

Effective 2-19-96, all two piece platforms with 12" folding ramps will have the 90 degree ramp lock installed as standard equipment.

Since the release of this ramp we have had some field problems with the ramp clearing the lift arm when the platform is folded for transit. Most of these problems are a result of the lift arms being bent inward during the welding of the lift arm tube.

We have found that when the arms are forced back to their intended position that the platform will fold properly.

Effective 10-4-96, we will be shipping the new version of the ramp lock which will avoid these potential problems. The new ramp lock will be flush to the side of the extension and will no longer pose an clearance problem. (shown below)





WALTCO TECH TIPS

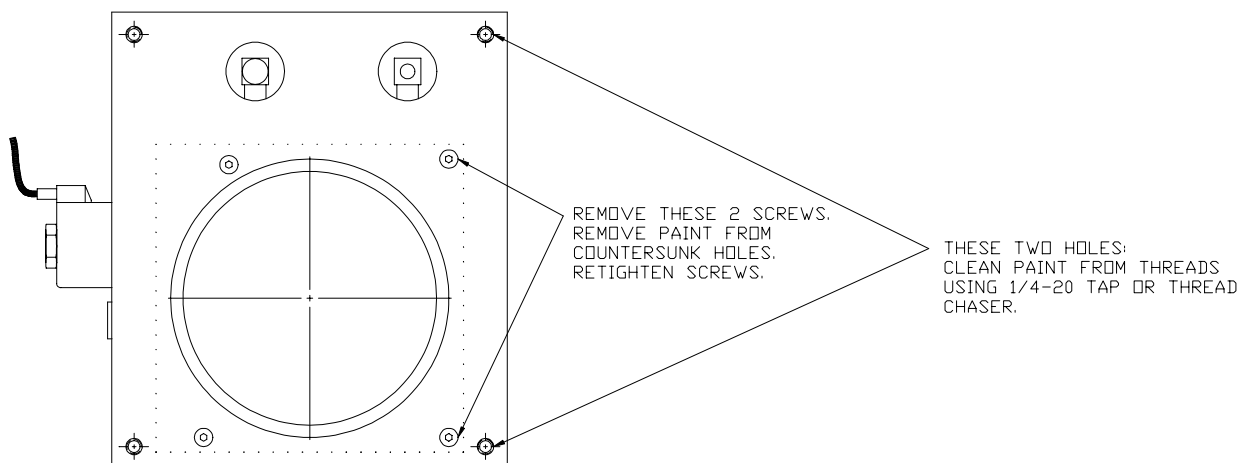
Date: 2-4-2000
No. TT000041
Model: C-15, C-20, E-25,
F-20, F-30
EO No. 3700

CORRECTING MOTOR GROUNDING PROBLEMS ON “REDUCED INSTALLATION” FLIPAWAYS

Some of the earliest production of the Reduced Installation Flipaway liftgates may experience a “no run” situation upon initial installation. (Thermalpak™ units may also indicate low voltage with no apparent cause). This may apply to any of these gates shipped before February 4, 2000. The problem is caused by the insulating effect of paint on the small plate by which the hydraulic pump unit is mounted to the liftgate. The power units on all gates shipped starting 2-4-2000 have been reworked to eliminate this situation.

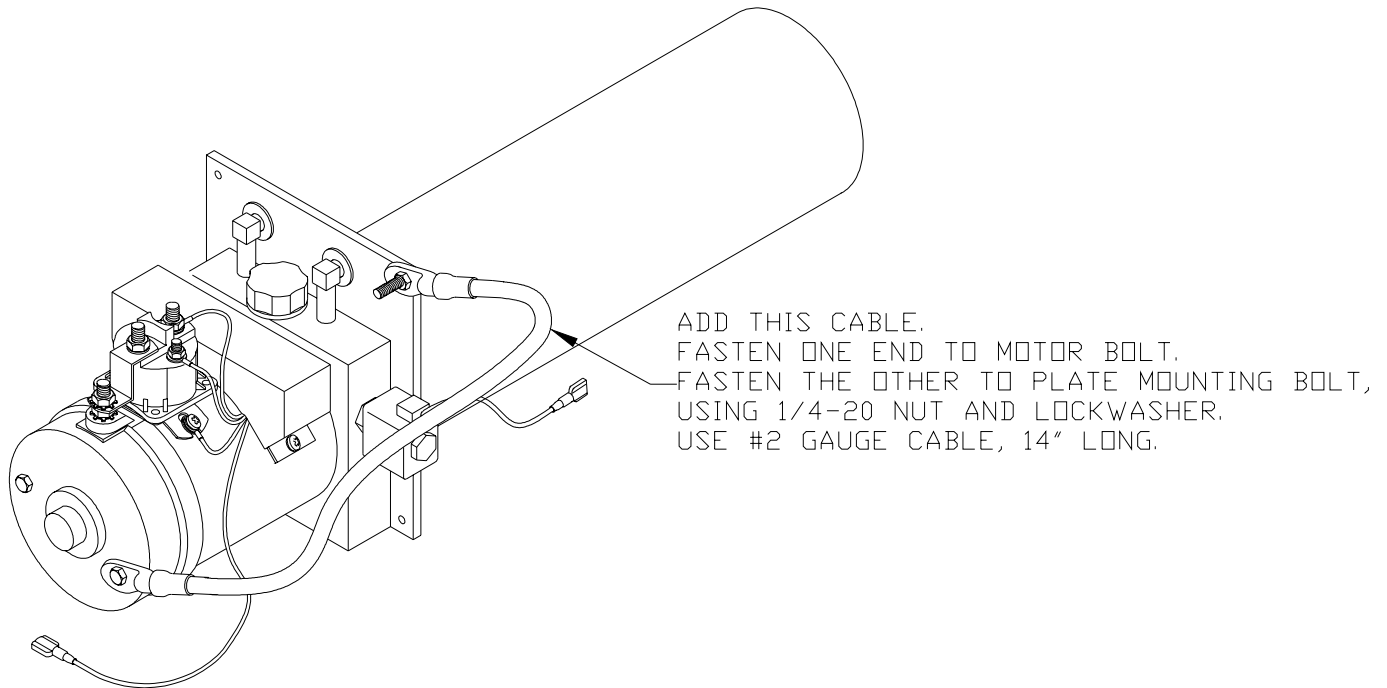
Should you experience this problem, there are two methods which may be used to cure it, as follows:

1. Remove the hydraulic and return hoses at the pump end.
Remove the four screws that fasten the pump unit to the liftgate and remove the assembly from its bracket. Then, looking from the reservoir end:



Remount pump unit and check for proper operation.

2. Alternatively, a grounding cable or strap may be added as shown below:



NOTICE:

Be sure to remove only the bolt on the **RIGHT HAND** side of the motor cap, as shown, when attaching ground cable. Otherwise, motor will have to be completely removed and reassembled.



WALTCO TECH TIPS

Date: 5-16-2000
No. TT000046
Model: C,E,F Reduced
Installation
EO No. 3700

FAST Filling of Hydraulic Reservoirs

Fill the hydraulic pump reservoir in **30 SECONDS** or less.

Here's a simple way to speed up filling of the hydraulic reservoirs on the C and E series Reduced Installation liftgates:

Find a rubber grommet that fits snugly to your pouring spout or hose, and has an OD of at least 1". When used in filling the reservoir, the grommet prevents backup and spillage of the oil. So, the oil flows into the reservoir and nowhere else. This is not only much faster, but cleaner also.

For the common "Swingspout" oil can, an excellent fit is obtained with a ½" knockout grommet (Jandorf P/N 90736 or equivalent) available at many hardware stores. Ask your Waltco representative for a sample to try.

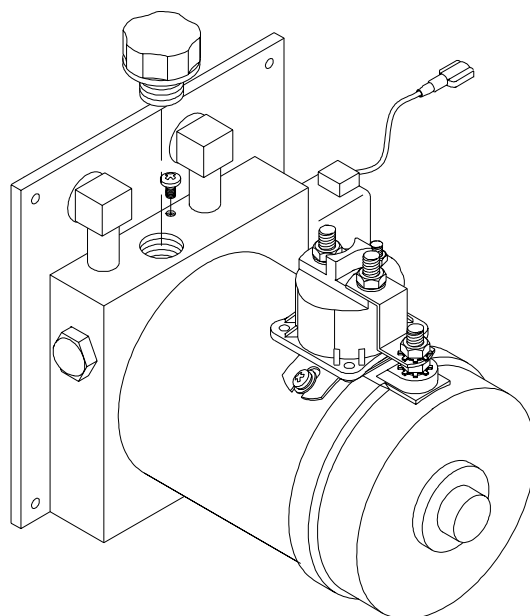
Once you've installed the grommet on your nozzle, the filling procedure is as follows:

1. Remove the Breather Cap
2. Remove the Vent Screw
3. Insert grommeted nozzle, pull the trigger and let it flow.



1. Remove Breather Cap

2. Remove Vent Screw



3. Insert grommited nozzle, and pull trigger.





WALTCO

TECH TIPS

Date: 12-8-2000
No. TT000053
Model: C-15

Elimination of C-15 Lift Arms

The C-15 model liftgates will now use C-20 lift arms in place of C-15 arms.

This change will happen on, or about, 12/15/00 under E.O. 4104.

Only difference of arm assemblies is the thickness of the arms:

C-15 arms 3/4" thick

C-20 arms 7/8" thick

No other parts of liftgates are changed.

For service:

- Use 22230020 arm assembly in place of 22130010
- C-15 Replacement Bearing Kit 80000729 has changed to also include bearings needed for the new C-20 (22230020) arms.
- PM-517 has been up-dated for above changes.

This change has been done to consolidate parts.



WALTCO TECH TIPS

Date: 2-16-01
No. TT000061
Model: F, C, E
EO No. 4350

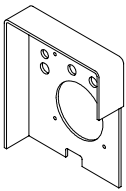
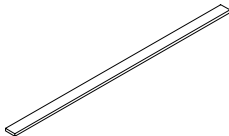
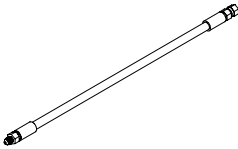

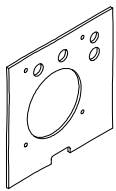
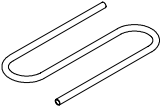
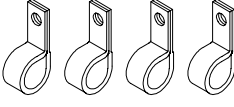
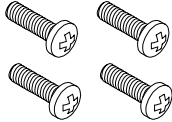
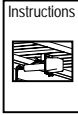
New Remote Pump Mounting Kit

A new kit has been released that will allow the pumps used on the F, C, and E to be mounted remotely from the liftgate.

It will soon be available as a standard option for the F, C, and E series liftgates. As for other models, this kit will need to be ordered as a special, along with one of the new style pump units that are compatible with it.

Included in the kit is a mounting bracket that can be installed either on the chassis frame or to the body cross members.

Contents:

(1) Mounting Bracket 	(1) 1/4" x 1" x 22" Flat Bar Brace 	(1) 20" Hose Extension (2 for Power Down) 	(1) Square Plug for pump reservoir 	(1) Gasket 
(1) 60" PVC Return Line (0 for Power Down) 	(4) Hose Clamps 	(4) Self-tapping screws 	Instructions 	

With the hose extensions included in the kit, the pump can be mounted to about 5ft. from the liftgate. However, this kit can be customized by our SP department to include longer hoses for greater distances.

This kit can be beneficial for different situations, such as:

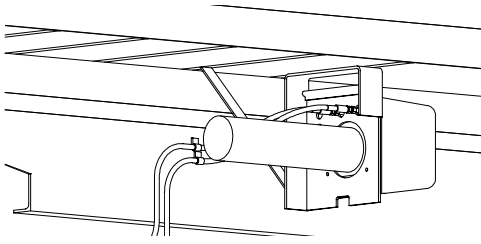
- Installing a C-series liftgate on a truck with a low bed height. The pump can be mounted well above the ground.
- When the liftgate is very close to the rear tires. The pump can be mounted out of the way of kicked-up debris or wind-blown mud flaps.

80000904 = Kit for Gravity Down **80000905** = Kit for Power Down

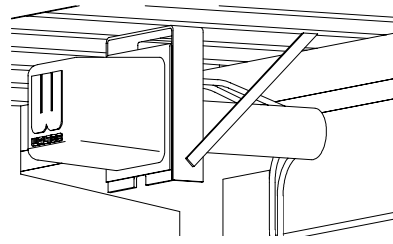
See attached installation Instructions for Kit.

1. Locate a position for the pump on the truck frame as near to the rear of the vehicle as practical.
Shown below are three possible ways the pump may be mounted.

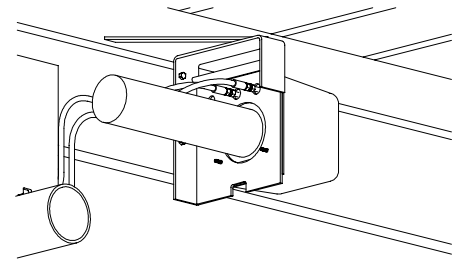
Mounted on crossmembers parallel to the vehicle frame



Mounted on crossmembers perpendicular to the vehicle frame



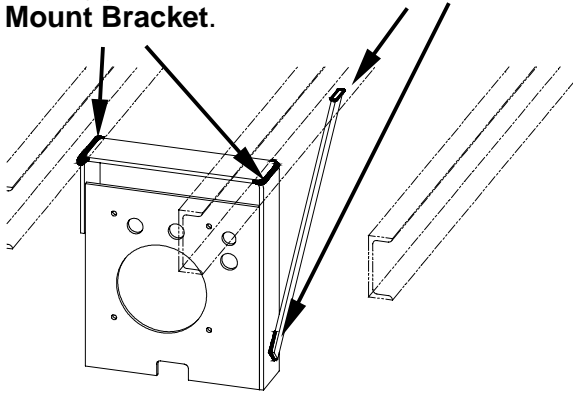
Bolted or welded to the vehicle frame



2. Install Remote Bracket on to the vehicle.

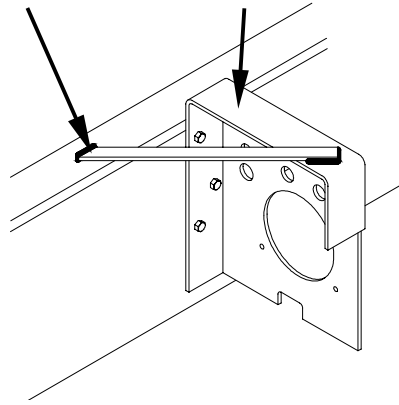
If welding to crossmembers

Weld top ends of Mount Bracket to a crossmember.
Weld both sides of one end of Brace to a crossmember.
Weld (3) sides of other end of **Brace** to the **Mount Bracket**.



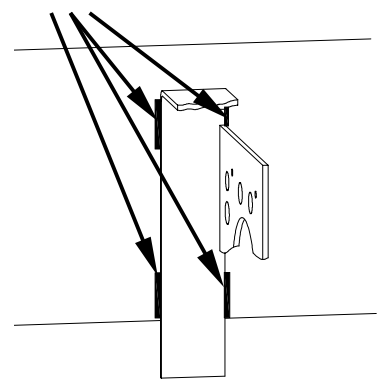
If bolting Mount Bracket to vehicle frame

Weld both sides of one end of Brace to the body long member.
Weld (3) sides of other end of **Brace** to the **Mount Bracket**.



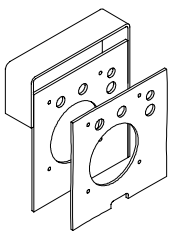
If welding Mount Bracket to vehicle frame

Weld the Mount Bracket as shown

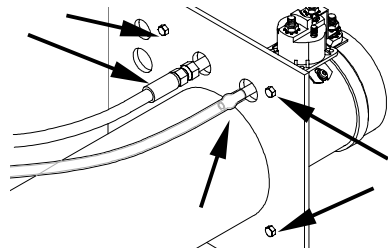


Also weld Brace as shown in previous picture.

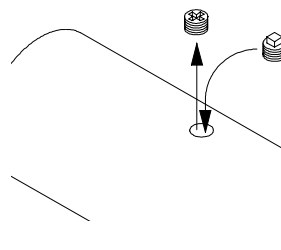
3. Add Gasket to Mount Bracket.



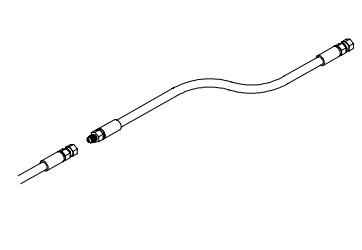
4. Detach hoses and unfasten (4) hex-screws to remove pump.



5. Replace vented plug with Square Head Plug

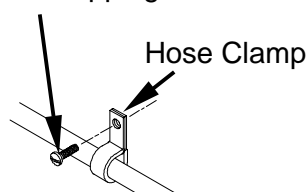


6. Connect Hose Extension to Hydraulic Hose.



7. Fasten Pump to Mount Bracket using the (4) hex screws.
8. Re-attach hoses.
9. Secure hoses to the vehicle using the hose clamps and self-tapping screws provided.

Self-tapping Screw



IMPORTANT:
Hydraulic hoses are to be protected from sharp edges, and never secured near exhaust system.

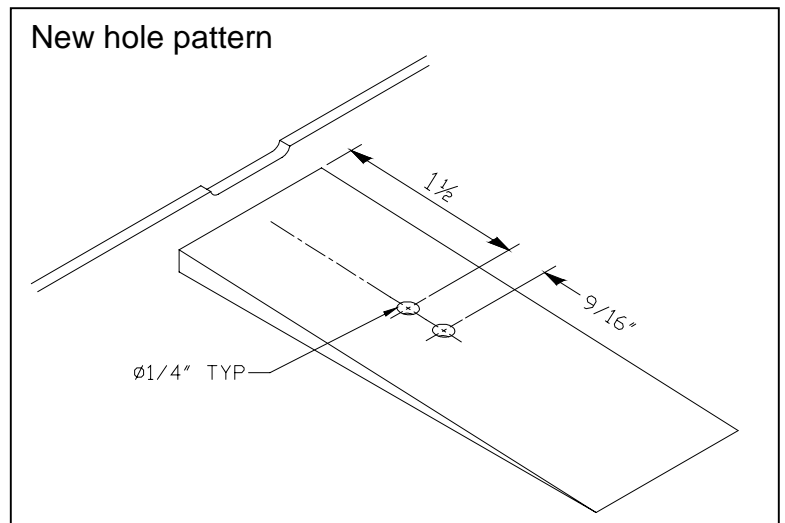
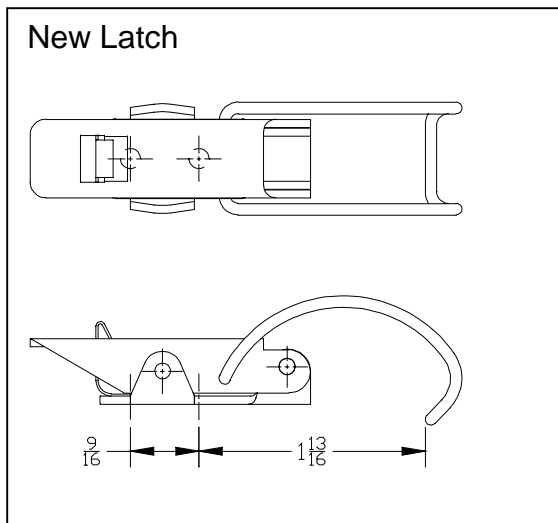


WALTCO TECH TIPS

Date: 6-8-01
No. TT010071
Model: F, C, E
EO No. 4332

The latch on the pump cover for a reduced installation pump has been replaced with a new latch. As a result of the new latch having a different mounting hole pattern, new holes will need to be made in the cover when replacing an old-style latch.

A new latch replacement kit (80000764) has been released. It includes instructions for locating and drilling fastener holes for the new style latch in case the latch being replaced in the field is the old style.





WALTCO TECH TIPS

Date: 10-24-01
No. TT010072A
Model: F, C, E
EO No. 4556

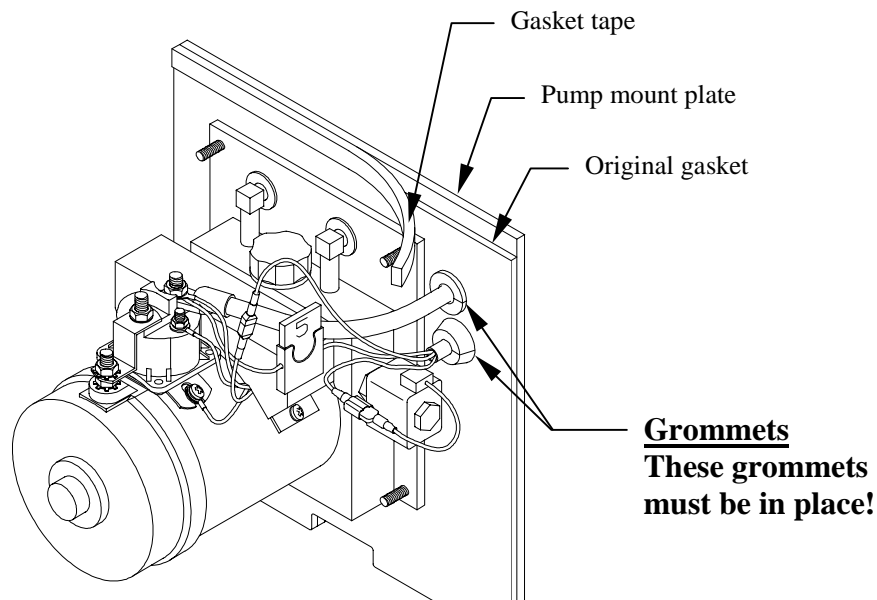
The seal around the pump cover on the Reduced Installation liftgates can be improved with the use of a new kit (80000745).

Gasket tape from the kit is added to the existing gasket on the liftgate. This is to ensure that the entire opening of the hood is gasketed.

Also in the kit are grommets that should be used to seal around the battery cable and control cord.

For further details, see the Auxiliary Gasket Installation Instructions (80101302).

Note: The gasket has been lengthened, new units will not require the gasket tape.



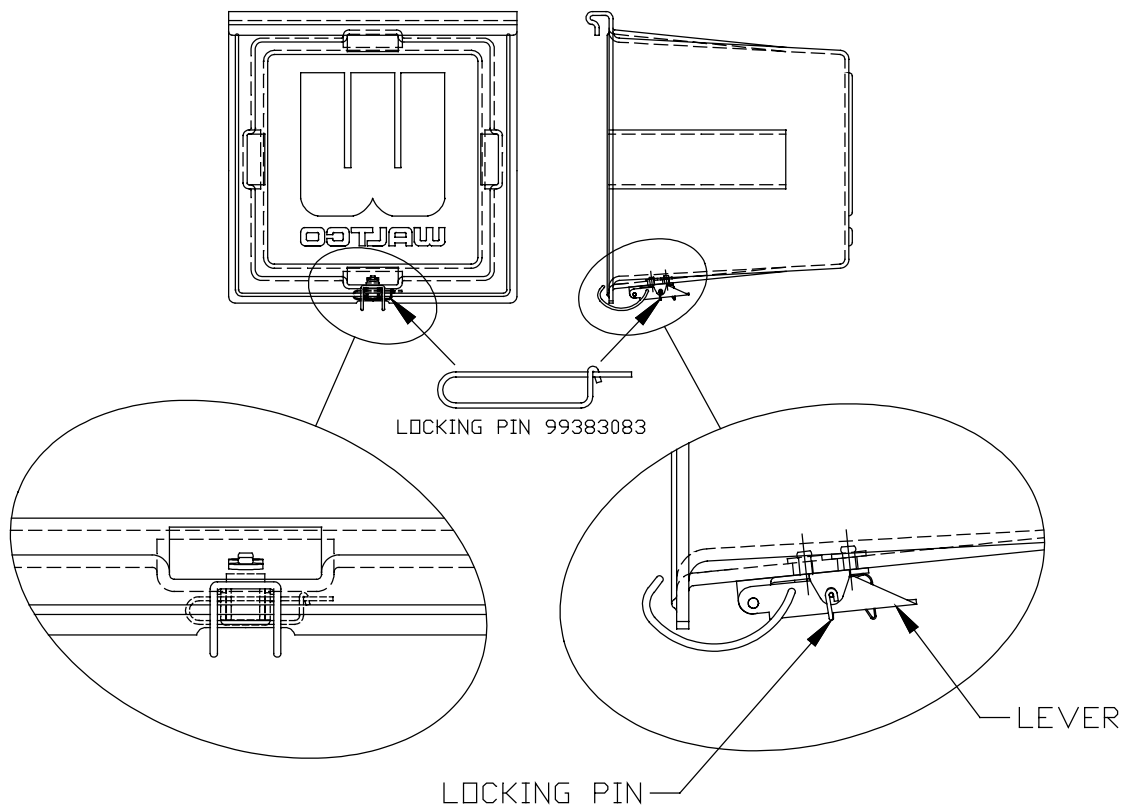


WALTCO TECH TIPS

Date: 10-25-01
No. TT010080
Model: F, C, E

Subject: Locking Pin for Pump Enclosure Latch

- A locking pin that will keep the latch engaged on the F, C, or E pump cover is available from Waltco.
- The pin is inserted through holes in the base and in the lever of the latch.
- The pin will hold the lever from springing open.
- The part number for the pin is 99383083.
- Locking pin is free of charge.





WALTCO TECH TIPS

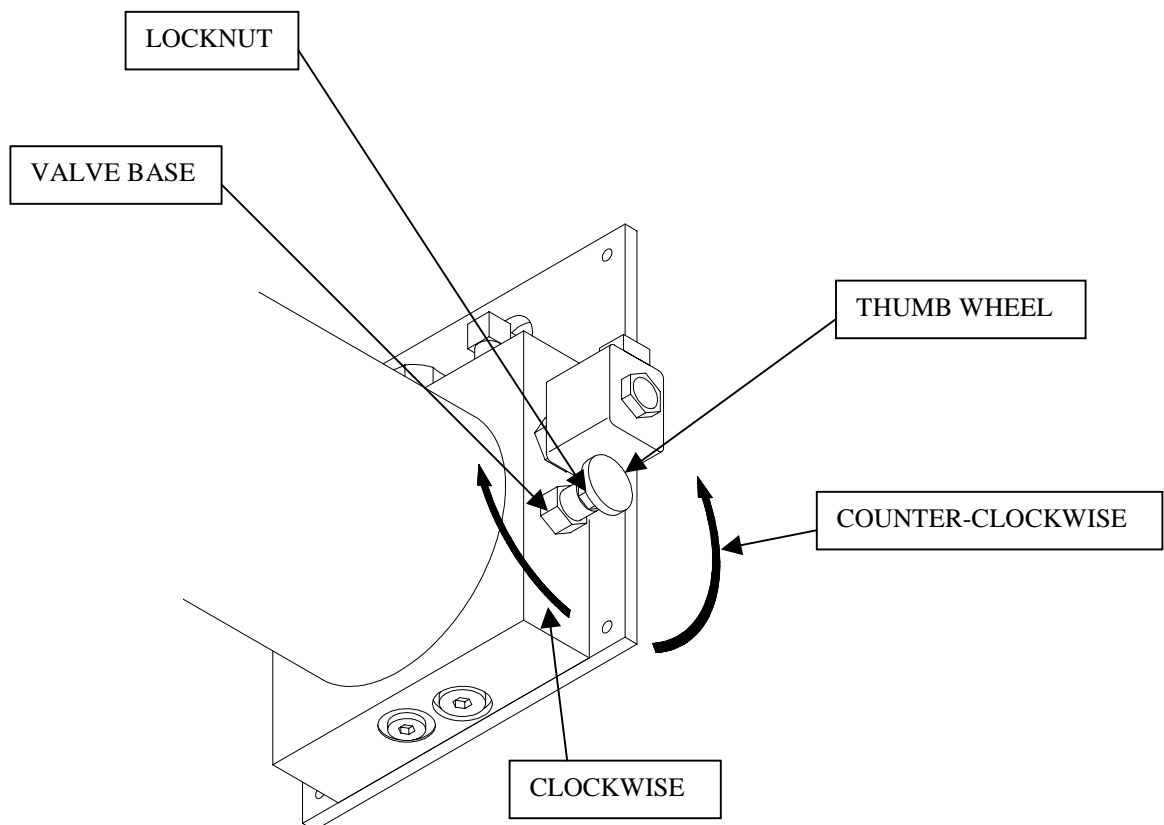
Date: 10-29-01
No. TT010081
Model: F,C,E
EO No.

Flow Control Adjustment for Gravity Down Flipaway Liftgates

With some pumps, slower lowering speeds may be desired beyond the full adjustment of the Flow Control Valve. Here's a simple way to create more adjustment when needed:

1. Locate the flow control valve on the side of the pump body.
2. Loosen the 7/16" locknut under the thumb wheel.
3. Turn the thumb wheel counter-clockwise, to back it out at least 3 turns from bottom.
4. Turn the 1/2" hex at the base of the valve in (clockwise only). Go no more than 1/2 turn at a time. In most cases, 1/4 to 1/2 turn will be sufficient.
5. Operate liftgate, adjusting thumb wheel to get the desired speed.
6. Tighten 7/16" locknut.

IMPORTANT: TURN VALVE BASE NUT CLOCKWISE ONLY: Turning counter-clockwise may cause leakage around the threads, requiring removal and resealing of the valve. Thumb wheel may be turned in either direction as needed when adjusting lowering speed.





WALTCO TECH TIPS

Date: 5-20-02
No. TT020096
Model: C-RM
EO No. 4665

IMPROVED GROUND CLEARANCE AND PUMP COVER LATCHING

Improvements have been made to the C-RM Series model in response to the concern of pump covers getting knocked off and lost. Various reasons were identified as to the cause of this problem. The primary cause being, the pump cover was too close to the ground – if the truck went over a curb, the pump cover could easily be knocked off. With the improvements made to address this issue came other benefits. However, some concerns were produced as well.

Benefits:

- **Gained 3” More of Ground Clearance**
This was accomplished by moving the pump out of the mount tube and relocating it on the forward side of the mount tube. The pump mount plate, which the pump and cover attaches to, is no longer the lowest point on the liftgate. This also helps out the vehicle departure angle.
- **New Rubber Draw Latch Replaces Metal Latch**
The new rubber latch will not pop open like the metal latch did. Also, it can better withstand impact.
- **Two studs have been welded onto the pump mount plate**
These fit snugly into the two lower corners of the cover. These help keep the cover from being shaken off.
- **No Need of Safety Pin**
The safety pin was used to help keep the metal latch from popping open. It was very difficult to fasten this to the latch.
- **Pump Can Be Filled Much Faster Now That Reservoir Is Out of Mount Tube**
Since the reservoir was in the mount tube, it had to be filled indirectly through the breather port on the pump manifold. It could take up to 2½ minutes to fill unless a certain grommet was used. Now hydraulic fluid can be poured directly into the reservoir and filling it takes about 30 seconds.
- **Holes in the pump plate for the battery cable and control cord have been lowered to near the bottom of the cover**
In case the grommets for the battery cable and control cord are not installed, water that gets in through these holes can get back out.

Concerns:

- **Requires 5” More Mount Frame Clearance**
There will be more situations where the liftgate will not fit on the truck because there will be interference with the pump. These situations will require the remote pump mount kit – the installer will have to take the pump off of the liftgate and mount it on the remote bracket.



WALTCO TECH TIPS

Date: 09-27-02
No. TT020102 rev 02
Model: C, E, F

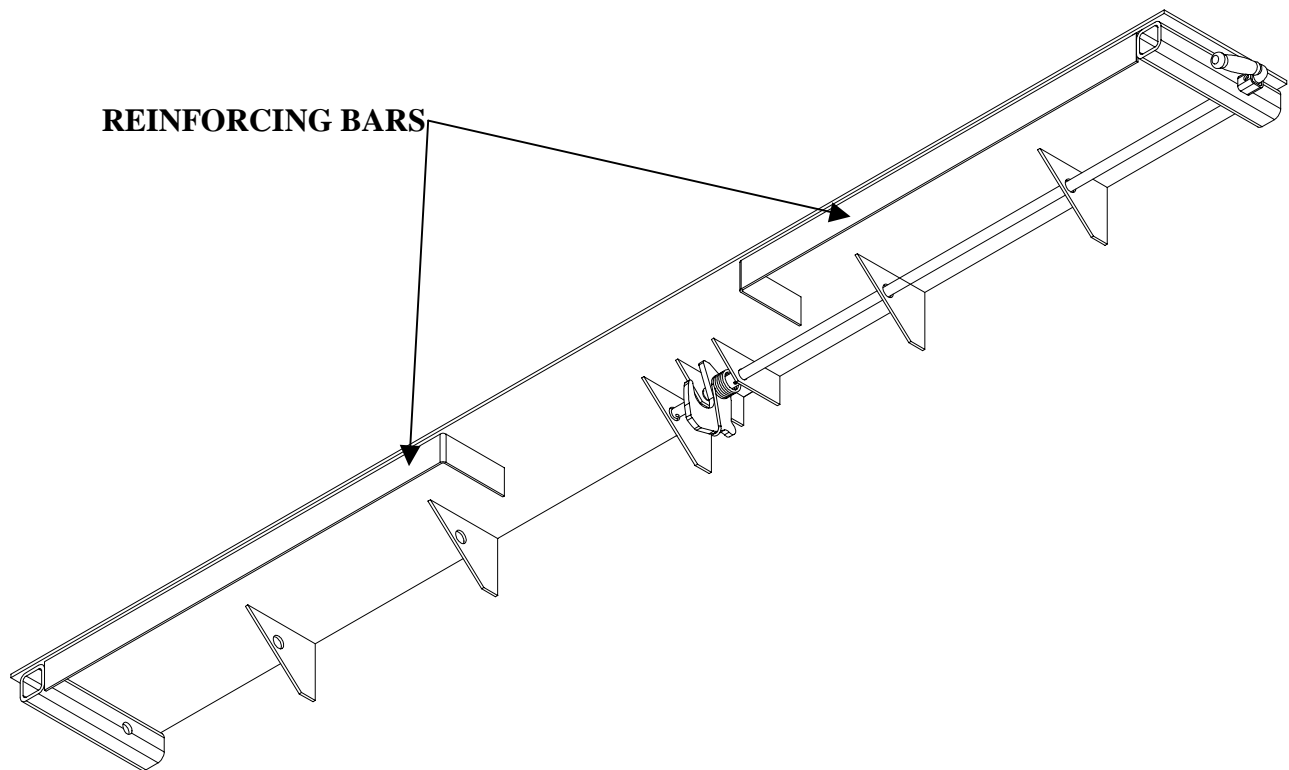
An SP has been created to increase the strength of the bed extensions on all Cs, Es and Fs.

This SP incorporates a new location for the latch hook on the bed extensions and a new bail location on the platforms for the E-25 series. This was done to allow every E-series gate to be compatible with a walk ramp. All the customer needs to do is cut notches in the E series SP bed extension to accept the ramp.

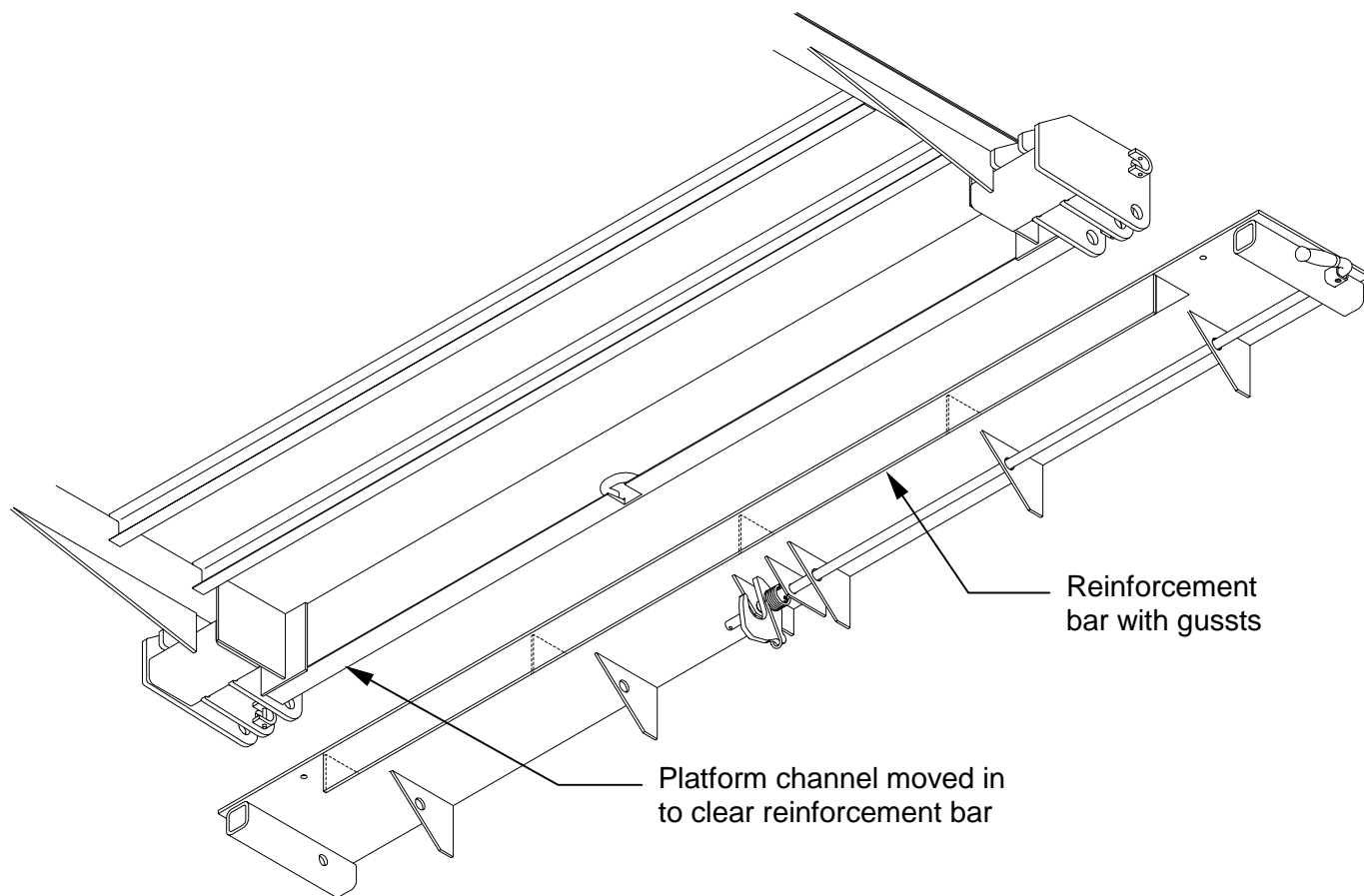
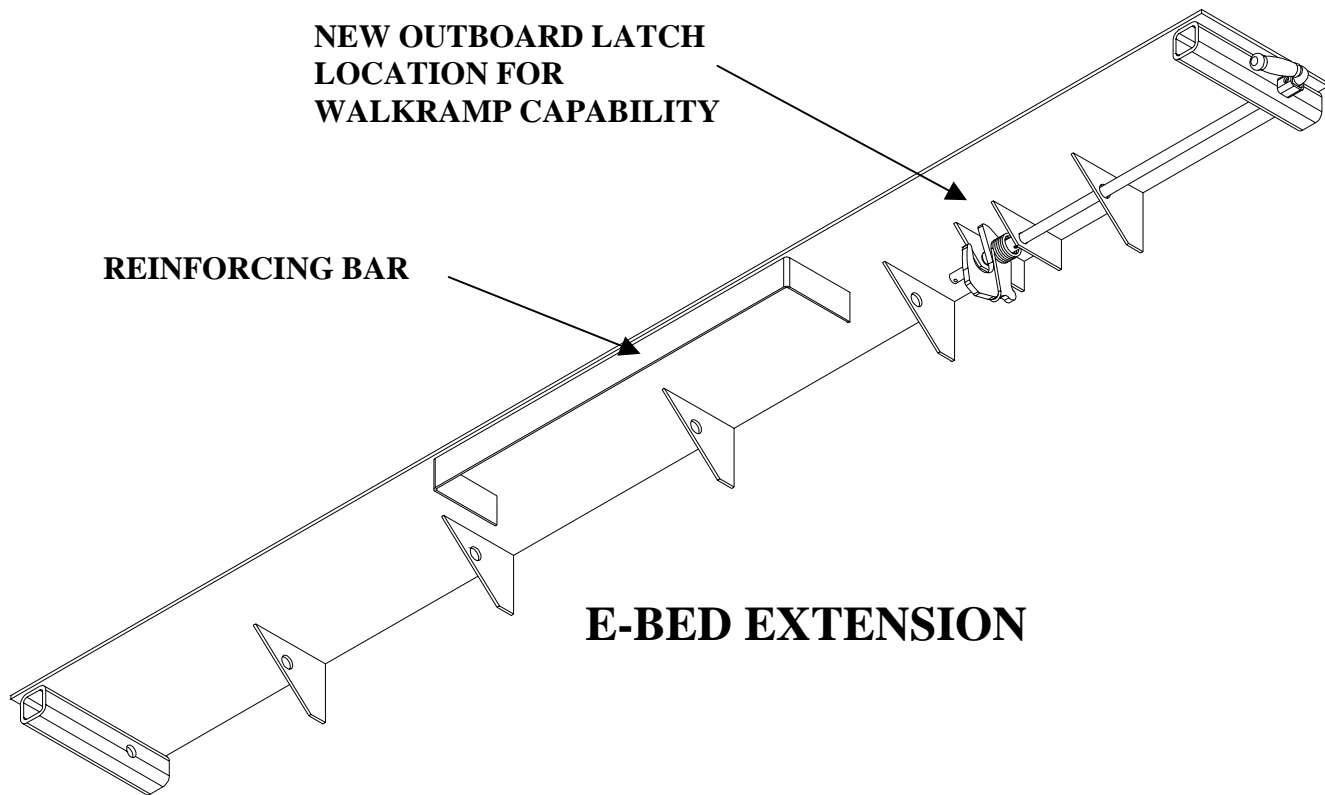
The special F bed extension can only be used with a special platform that fits around the reinforcement bar.

For C or E series gates order SP #0245

For F series gates order SP#0252



C-BED EXTENSION



SPECIAL F-BED EXTENSION and PLATFORM



WALTCO TECH TIPS

Date: 12/13/02
No. TT020116
Model: C-Series
EO No. 4926

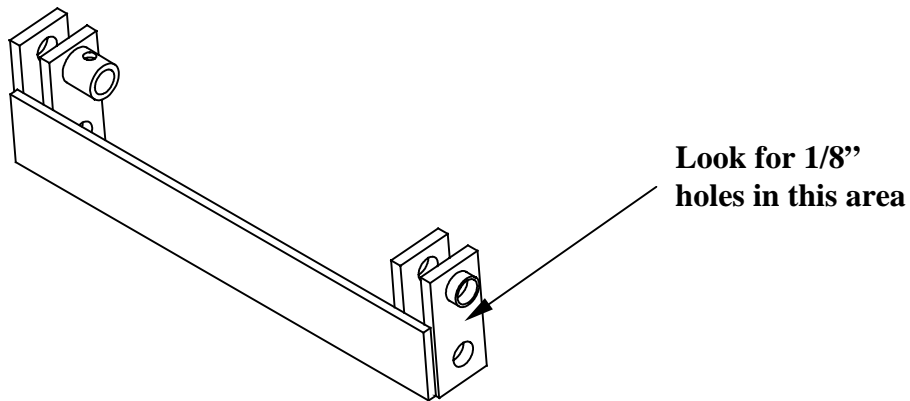
Subject: Identification of C-Series Hinges

Due to the difficulty of stamping legible letter designators on the C hinge assemblies, Waltco is adding holes to distinguish the different assemblies.

Previously letters where used:

- H = Half dip
- F = Full dip
- L = Level ride

A number of 1/8" diameter holes in the hinge bars, or the lack of holes will now identify the hinge assemblies.



Half Dip (no holes)	Full Dip (one hole)	Level Ride (two holes)



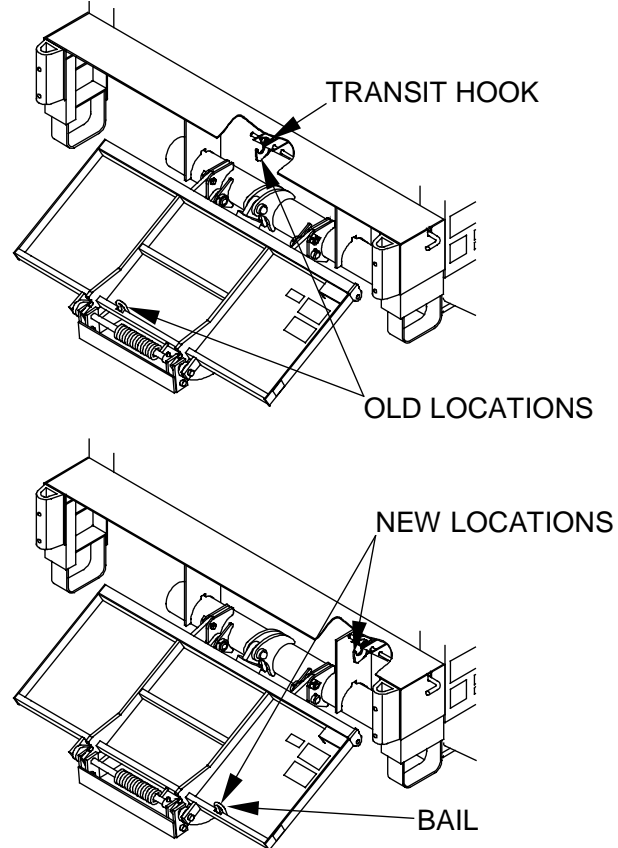
WALTCO TECH TIPS

Date: 5/30/03
No. TT030130
Model: F, C, and E Series
EO No. 5038

Bed Extension Consolidation

Waltco has consolidated Bed Extensions used on it's F, C, and E Series liftgates.

- Effective mid July, these gates will use the new design Bed Extension.
- This new Extension design is currently used on all E-30 liftgates.
- The new Extension has the Transit Hook shifted from the center to the curbside. The Platform Bail is also shifted to align with the Hook.
- Bed Extensions come in two (2) widths, one for 96" wide bodies, and one for 102" wide bodies.



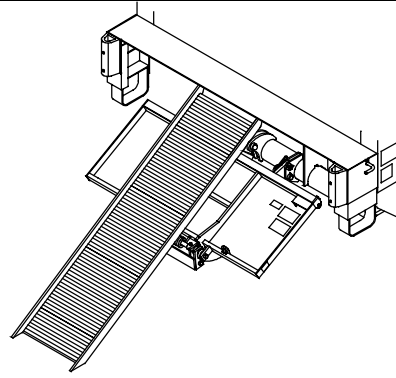
GR00374

Advantages:

- Reduced inventory
 - One Bed Extension for all F, C, and E liftgates.
- All C and E liftgates now compatible with walk-ramps.

Walk Ramp Compatible

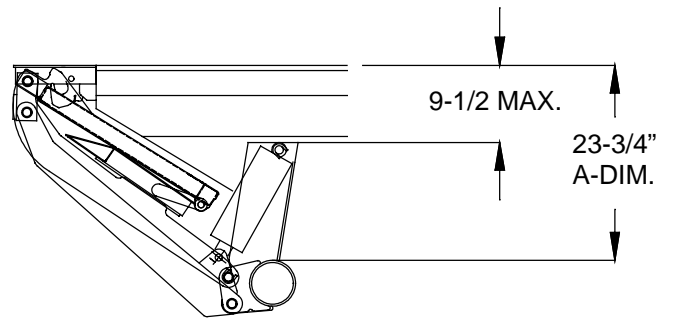
- C and E liftgates will now be compatible with walk-ramps.
- Use optional Walk-Ramp Installation Kit (part number 80000432).



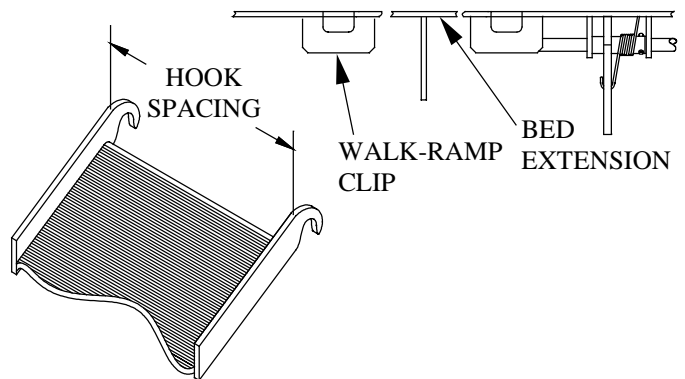
GR00375

Walk-Ramp Restrictions

- E-Series Liftgates have a maximum clearance for walk-ramp of 9-1/2".
This is from top of floor to top of Cylinder Tower with maximum A-Dimension of 23-3/4".
- F-Series Liftgates are not compatible with walk-ramps. Walk-ramp clips would interfere with F-style Platforms when the Platform is open at bed level.
- C-Series Liftgates can only be used with walk-ramp hook spacings of 26" or greater.
- Can not be used with 21-3/4" hook spacing. C-Series Liftarms are too wide to fit between the ramp hook clips.



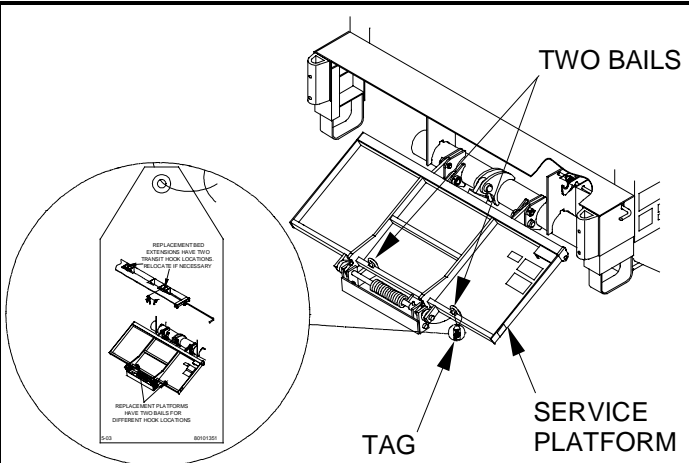
GR00376



GR00377

SERVICED PLATFORMS

- All Current F, C, and E Platform part numbers will be changed to service status.
- All serviced Platforms will receive a second Bail to make them compatible with both the old and new styles.
- Replacement Bed Extensions will have two available locations for the Transit hook also for old and new style compatibility
- Replacement Platforms and Bed Extensions will receive a tag explaining these changes



GR00378



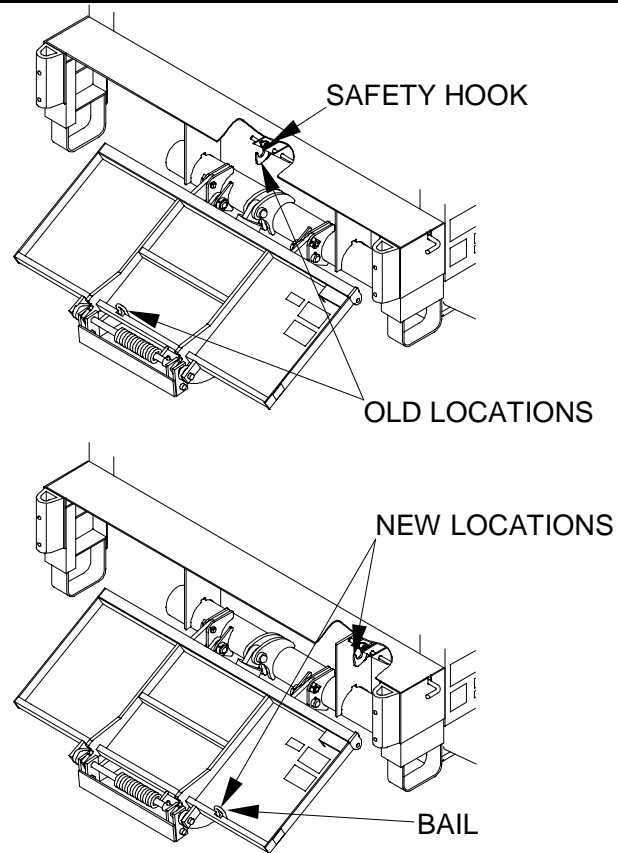
WALTCO TECH TIPS

Date: 5/30/03
No. TT030131
Model: F, C, and E Series
EO No. 5038

F, C, and E Deck Extension Consolidation

PURPOSE

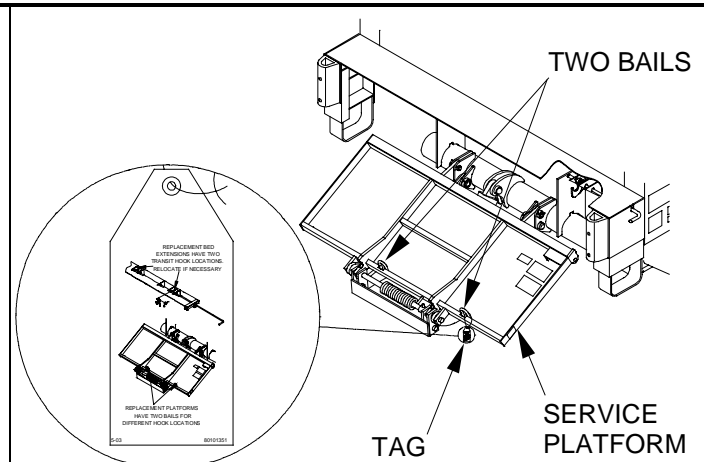
- In the past, our Flipaway liftgates have not been compatible with trucks that have walk-ramps.
- This issue was alleviated with a redesign of the E-30's Bed Extension that moved the Transit Hook and Bail on the underside of the Deck toward the curb side of the truck and out of the way of the walk-ramp
- To make more of our Flipaway liftgates walk-ramp compatible, as well as reduce inventory, the E-30 Bed Extension will now be used with all F, C, and E-series liftgates
- A chart is provided below as a part number reference regarding these changes



GR00341

SERVICED PLATFORMS

- All Current F, C, and E Platform and Bed Extension part numbers will be changed to service status. All E-25 and E-30 Platforms built after mid-July will use the service E-25 Decks as replacement Decks.
- All service Platforms will receive a second Bail to make them compatible with the old and new styles.
- Replacement Bed Extensions will have two available locations for the Transit hook.
- Replacement Platforms and Bed Extensions will have a tag explain these changes



GR00378

E-25/30 DECK CONSOLIDATION

E-25 and E-30 Main Deck Assemblies have been consolidated in the following manner...

- Wedge Main Deck Assemblies are now obsolete. Wedge Platform Assemblies will use standard Deck Assemblies with the Wedge Extension
- E-25 and E-30 now share the same Deck and Platform Assemblies

PART NUMBER REFERENCE CHART

SERIES	DESCRIPTION	OLD	NEW	SERVICE
ALL	BED EXTENSION 96"	26260006	26360001	26260006
	BED EXTENSION 102"	26260007	26360002	26260007
F-20	DECK ASSEMBLY, 26 X 72	20211004	20211014	20211004
F-30	DECK ASSEMBLY, 26 X 72	20311014	20311014	20311004
F-40	PLATFORM ASSEMBLY, 26 X 72 + 12	20410022	20410122	20410022
	PLATFORM ASSEMBLY, 38 X 72 + 4	20410034	20410134	20410034
	PLATFORM ASSEMBLY 42 X 72 BE	20410040	20410140	20410040
	PLATFORM ASSEMBLY 42 X 72 + 12	20410042	20410142	20410042
C-15/20/25	PLATFORM, CRM, 36X72 WEDGE	22110030	22110031	22110030
	PLATFORM, CRM, 36X84 WEDGE	22110040	22110041	22110040
	PLATFORM, CRM, 36X72 WEDGE, LB	22110050	22110051	22110050
	PLATFORM, CRM, 36X84 WEDGE, LB	22110060	22110061	22110060
	PLATFORM, CRM, 32X72+4	22110110	22110111	22110110
	PLATFORM, CRM, 32X84+4	22110120	22110121	22110120
	PLATFORM, CRM, 32X72+4, LB	22110170	22110171	22110170
	PLATFORM, CRM, 21X84+4, LB	22110180	22110181	22110180
E-25	PLATFORM ASSEMBLY 36 X 72 + 6	26210110	26310110	26210110
	PLATFORM ASSEMBLY 36 X 84 + 6	26210120	26310120	26210120
	PLATFORM ASSEMBLY 40 X 72 WEDGE	26210130	26310130	26210130
	PLATFORM ASSEMBLY 40 X 84 WEDGE	26210140	26310140	26210140
	DECK ASSEMBLY 24 X 72	26211001	26311001	26211001
	DECK ASSEMBLY 24 X 84	26211002	26311002	26211002
	DECK ASSEMBLY 24 X 72 WEDGE	26211003	26311001	26211003
	DECK ASSEMBLY 24 X 84 WEDGE	26211004	26311002	26211002
E-30	PLATFORM ASSEMBLY 36 X 72 + 6	26310110	26310110	26210110
	PLATFORM ASSEMBLY 40 X 72 WEDGE	26310130	26310130	26210130
	DECK ASSEMBLY 24 X 72 WEDGE	26311003	26311001	26211001



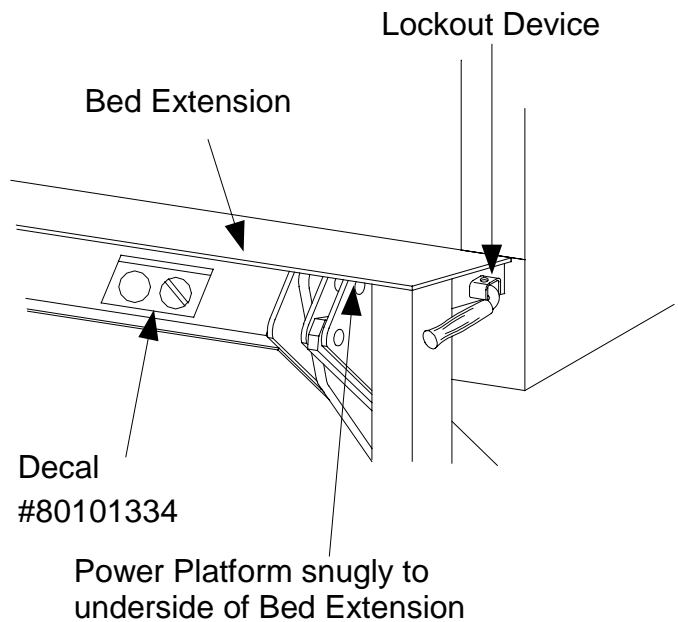
WALTCO TECH TIPS

Date: 7/22/03
No. 030138
Model: FLIPAWAY
EO No. 4917

SUBJECT: FLIPAWAY STORAGE INSTRUCTIONS

TO STORE LIFTGATE FOR TRANSIT

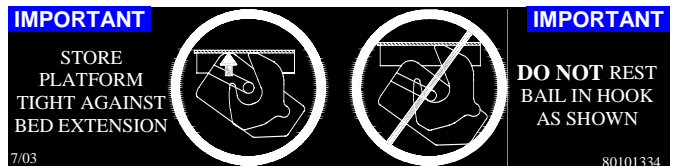
- Lower Platform to ground.
- Fold Platform.
- Raise Platform to transit position.
- Power Platform snugly to underside of Bed Extension.
- Insert a padlock into Lockout Device, if desired, to prevent unauthorized use of liftgate.



GR00180

AVAILABLE DECAL

- Decal 80101334 is available for F, C, E, and LPF Flipaway Liftgate
- The decal should be placed on the back of the Platform nearest the curb side of the truck (as shown above)



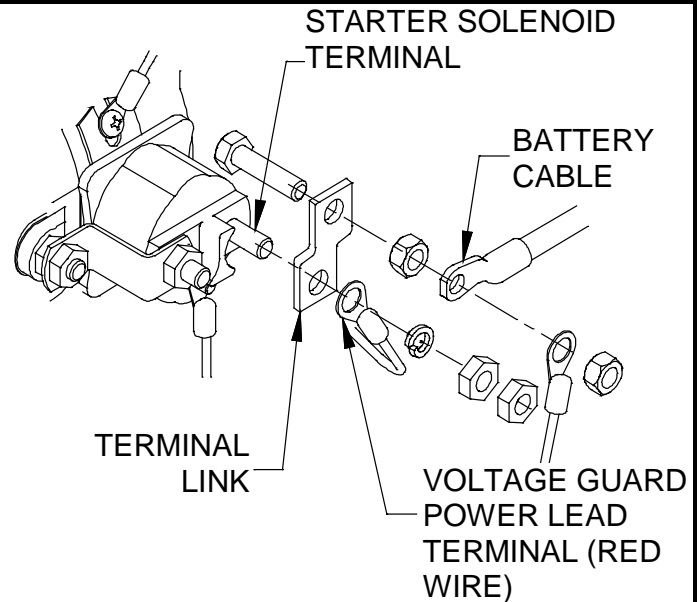


WALTCO TECH TIPS

Date: 8-22-03
No. TT030139
Model: All
EO No. NA

SUBJECT: Voltage Guard Connections

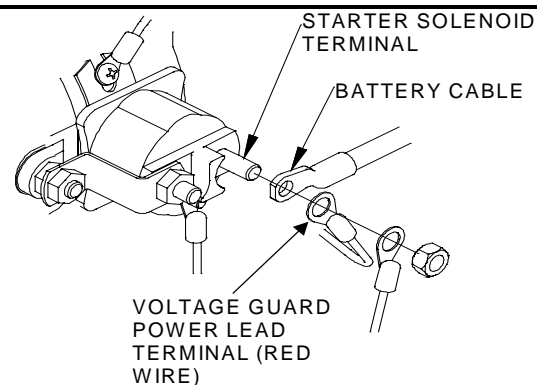
- If you encounter these symptoms in your controls: Motor won't run when Raise or Close switches are actuated, unless Voltage Guard is bypassed. No alarm from Voltage Guard. Before you assume that the Voltage Guard is defective, try this simple fix:
- WDL, RGL, OR WSL VERSION
- Disconnect Battery Cable, and swap the Power Lead to be above the Terminal Link, as shown. Replace Lock Washer and Nuts. Tighten Nut and Jam Nut to 8 foot-pounds.
- Reconnect Battery Cable, tighten to 25 foot-pounds. Use back-up wrench so that Terminal Link does not get moved.
- Retest controls. If still not working, Voltage Guard may be malfunctioning.
- How this works: When the ring terminal on the Power Lead is under the copper Terminal Link, or Battery Cable, it may shift or deform, allowing the connection to get loose. This can lead to a loss of electrical power to the Voltage Guard, which quits working. Putting the Power Lead Terminal on top of the Terminal Link or Battery Cable gives a large, flat surface, for a more secure connection.



GR00662

ALL OTHER LIFTGATES

- ✓ Disconnect Battery Cable
- ✓ Swap the Power Lead(s) to be above the Battery Cable, as shown. Replace Nut. Tighten Nut to 8 foot-pounds.
- ✓ Retest controls. If still not working, Voltage Guard may be malfunctioning.



GR00663



WALTCO TECH TIPS

Date: 10/31/03
No. TT030146
Model: All
EO No. NA

Lubrication of Reduced Maintenance Bushings

There has been information circulating that lubricants should not be used on the reduced maintenance bushings that Waltco utilizes. This includes both Hydrocarbon lubricants (conventional petroleum based products), and less common Fluorocarbon lubricants. Lubricants can be used with our bushings but an understanding of the advantages and disadvantages is needed.

Lubrication is inherent within the bushings we use and will not dry out. The bushings are impregnated with Teflon that transfers to the pin under load. External lubricants are filled with additives that provide the lubricity. The most common filler is Molybdenum Disulfide, which is commonly referred to as “Moly”. These additives can be microscopic hard particles that roll around between the pin and our bearing liner. This can under some conditions add to premature wear as opposed to adding no grease at all. There are times when grease is the culprit instead of the cure.

Neither the Hydrocarbon nor Fluorocarbon grease material would chemically under most conditions, be a problem for our bushings since our liner is very, very resistant to about all forms of chemical degradation and attack.

Although there is a science to grease, all the analytical work and theory goes out the window when grease is used in the field. The common tendency is to use what is cheap and on hand. This is the reason Waltco reduced maintenance bushings do not have grease fittings that allow just anything to be pumped into the bushing.

The disadvantage in applying an external lubricant is that over time, contaminants could migrate into the bushing creating an abrasive paste. Without the means to purge the old grease, heavy abrasives in the old grease could increase wear in the bushing. Our bushing is designed to handle some abrasives by imbedding them into the fiber lining to keep them away from the pin, but a clean lubricant will achieve the best results.

Once a bearing is greased with a quality lubricant, it can in some cases increase the performance of the bearing up to eight times as long as it is maintained with regular intervals of grease. In other words a non-reduced maintenance application, but possible longer life. This could be helpful in northern climates where salt and other de-icing

solutions are applied to roads. These contaminants can migrate into the bushing reducing the lubrication qualities.

For higher performance, a premium grease such as SuperLube Synthetic Grease with Syncolon (PTFE) from McMaster Carr as part number 1378K33, or a number of DuPont Krytox products are available.

There are two choices that would work best for those end users that have a severe application where a lubricant can increase their bushing life. They can request an SP application where we can design pins that can be drilled for grease fittings. Or they can apply an anti-seize compound such as "Molypaste" to the pins. This usually lasts for long periods of time and resists penetration of road wash. An anti-seize compound containing metal oxides should not be used as they contain abrasives that can wear away at the bushing liner.

In either case the end user should be aware of proper lubrication methods to avoid getting the opposite effect they are trying to achieve.



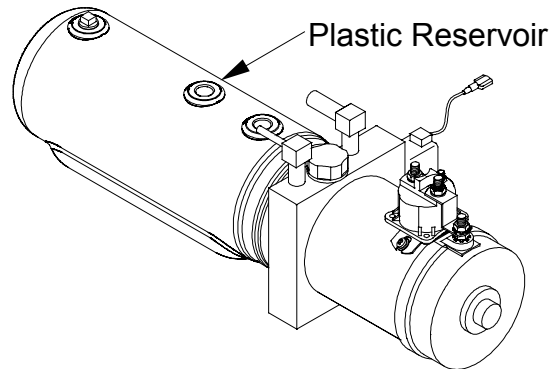
WALTCO TECH TIPS

Date: 1/16/04
No. TT040002
Model: F, C, & E
EO No. EO5130

SUBJECT: New Plastic Pump Reservoir for F, C, & E Series Effective March 2004

New Reservoir

- Beginning in March 2004, the F, C, & E Series of Liftgates will come with a Plastic Pump Reservoir
- There are many advantages associated with using a Plastic Reservoir



GR00824

Impact Resistance

- The new Plastic Reservoir has been Impact tested and is as strong or stronger than the Steel Reservoir

Corrosion Resistance

- Plastic is not effected by corrosive agents such as road salt

Transparency

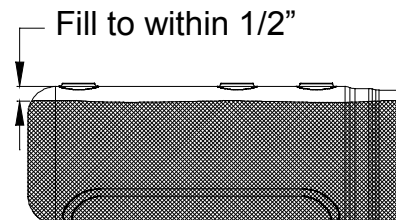
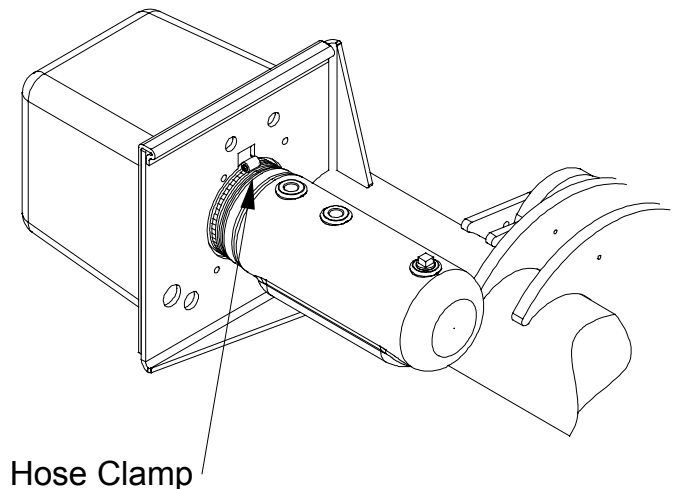
- The Reservoir is translucent, making it easy to see the fluid level in the Reservoir
- Makes checking fluid level easier than with a Sight Glass and requires no removal of Cover or Fluid Fill Cap

Replacement/Cleaning

- The Reservoir is attached using a Hose Clamp
- Makes removing the Reservoir for replacement or cleaning easier

Reduced Condensation

- Plastic Reservoirs have less tendency to create condensation than steel in cold weather



GR00825

Tallmadge

Ser No	Date
108000	01/83
109000	03/83
120000	05/83
121000	07/83
122000	09/83
123000	10/83
124000	12/83
125000	01/85
126000	02/84
127000	04/84
128000	05/84
129000	06/84
140000	08/84
141000	09/84
142000	10/84
143000	11/84
144000	12/84
145000	02/85
146000	03/85
147000	05/85
148000	06/85
149000	07/85
160000	09/85
161000	10/85
162000	11/85
163000	01/86
164000	02/86
165000	03/86
166000	04/86
167000	06/86
168000	06/86
169000	08/86
180000	10/86
181000	11/86
182000	12/86
183000	01/87
184000	03/87
185000	04/87
186000	05/87
187000	06/87
188000	07/87
189000	09/87
200000	10/87
201000	11/87
202000	01/88
203000	02/88
204000	03/88
205000	04/88
206000	05/88

Ser No	Date
207000	07/88
208000	08/88
209000	10/88
220000	11/88
221000	12/88
222000	01/89
223000	03/89
224000	04/89
225000	05/89
226000	06/89
227000	08/89
228000	10/89
229000	11/89
240000	01/90
241000	02/90
242000	07/90
243000	04/90
244000	05/90
245000	07/90
246000	09/90
247000	12/90
248000	12/90
249000	02/91
260000	04/91
261000	05/91
262000	08/91
263000	10/91
264000	12/91
265000	02/92
266000	03/92
267000	05/92
268000	06/92
269000	08/92
280000	09/92
281000	11/92
282000	12/92
283000	02/93
284000	03/93
285000	04/93
286000	06/93
287000	07/93
288000	08/93
289000	10/93
300000	11/93
301000	02/94
302000	02/94
303000	03/94
304000	04/94
305000	05/94

Ser No	Date
306000	08/94
307000	09/94
308000	10/94
309000	10/94
320000	12/94
321000	01/95
322000	03/95
323000	04/95
324000	06/95
325000	07/95
326000	09/95
327000	09/95
328000	11/95
329000	01/96
340000	02/96
341000	03/96
342000	04/96
343000	05/96
344000	07/96
345000	08/96
346000	10/96
347000	12/96
348000	03/97
349000	03/97
360000	04/97
361000	05/97
362000	06/97
363000	07/97
364000	08/97
365000	10/97
366000	11/97
367000	12/97
368000	01/98
369000	06/98
380000	03/98
381000	06/98
382000	06/98
383000	08/98
384000	08/98
385000	11/98
386000	12/98
387000	12/98
388000	01/99
389000	04/99
400000	02/99
401000	03/99
402000	05/99
403000	05/99
404000	06/99

Ser No	Date
405000	08/99
406000	08/99
407000	10/99
408000	11/99
409000	11/99
420000	12/99
421000	12/99
422000	04/00
423000	03/00
424000	03/00
425000	04/00
426000	05/00
427000	07/00
428000	08/00
429000	08/00
440000	09/00
441000	11/00
442000	12/00
443000	02/01
444000	04/01
445000	05/01
446000	09/01
447000	09/01
448000	11/01
449000	01/02
460000	04/00
461000	05/02
462000	06/02
463000	09/02
464000	10/02
465000	12/02
466000	01/03
467000	02/03
468000	05/03
469000	05/03
480000	07/03
481000	08/03
482000	10/03
483000	11/03
484000	01/04
485000	02/04
486000	02/04
487000	03/04

*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

Ser No	Date
172000	06/88
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

Ser No	Date
218000	08/93
219000	12/93
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

Ser No	Date
273000	12/98
274000	02/99
275000	04/99
276000	06/99
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

***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	03/04

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