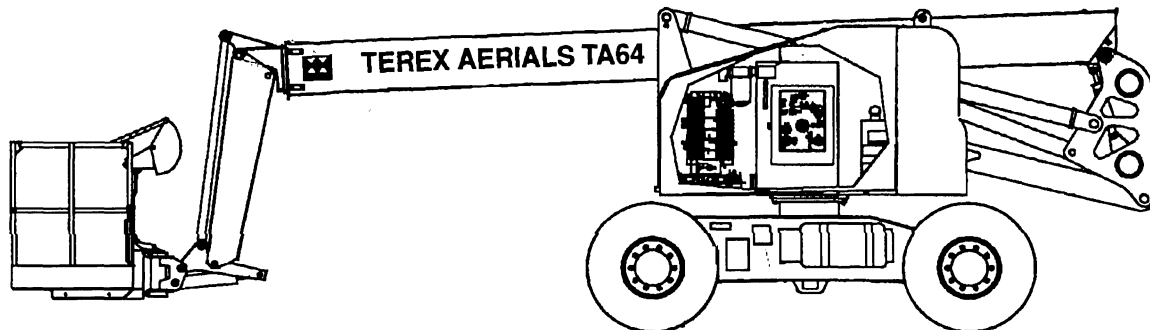


TEREX AERIALS

SELF-PROPELLED BOOM MODEL TA64



PARTS MANUAL

TEREX AERIALS
10600 W. Brown Deer Rd.
Milwaukee, WI 53224
Phone: (601) 393-1800
Fax: (601) 393-1706

Preliminary Issued: Jan 1998
P/N 17322

SECTION 1 CONTAINS:

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1.1	NOTICE TO USERS
1.2	TABLE OF CONTENTS
1.6	HOW TO USE THE PARTS MANUAL
1.8	HOW TO ORDER PARTS
1.10	ABBREVIATIONS AND SYMBOLS

DISCLAIMER

Terex Aerials strives to include in the Parts Manual, information and illustrations that are accurate, complete, and current. Due to on-going changes and revisions by our many suppliers, it is often impossible to show all variations of a given assembly. Therefore, this information is subject to change without notice.

NOTICE

The Parts Manual, though sometimes helpful in the process of assembly / disassembly, is NOT intended to be assembly / disassembly instructions.

TABLE OF CONTENTS



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1.2	TABLE OF CONTENTS
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2.2	SHEET METAL
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	FORD ENGINE
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4.8	ENGINE (FORD)
4.10	AIR CLEANER (FORD)
4.11	FUEL TANK (FORD)
4.12	ENGINE - LP/ GAS(FORD)
4.13	ENGINE CONTROL PANEL (FORD)
4.14	LP FUEL SYSTEM (FORD)
4.16	BATTERY ASSEMBLY (FORD)
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4.20	TURRET HYDRAULICS
4.22	UPPER HYDRAULICS
4.24	HYDRAULIC RESERVOIR & FILTER
4.25	EMERGENCY PUMP/MOTOR
4.26	MAIN VALVE
4.30	FUNCTION VALVE (2 WD)
4.32	FUNCTION VALVE (4 WD)
4.34	ROTARY MANIFOLD
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7.15	WARNING HORN
7.16	ALL MOTION ALARM
7.17	GENERATOR
7.18	OSCILLATING AXLE CYLINDER

HOW TO USE THE PARTS MANUAL

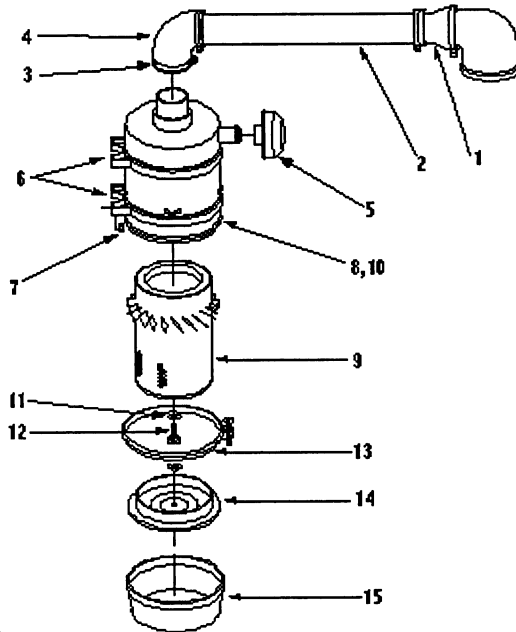
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AIR CLEANER

TEREX AERIALS



5

4

3

6

9

8

Ref.	Part No.	Description	Qty	Remarks
1		Hose	1	
2	212010	Tube	1	
3	65435	Clamp	2	
4	1243-68	Elbow	1	
5	160083	Hood, Air Cleaner	1	
6	65412	Band, Mounting	2	
7	1205-45	Locknut, 3/8C	4	
8	160082	Air Cleaner	1	Incl. Items 9 thru 15
9	1243-75	Element	1	
10	29347	Decal	1	
11	29348	Gasket, Washer	1	
12	29349	Screw, Thumb	1	
13	29350	Clamp Ass'y	1	
14	29351	Baffle Ass'y	1	
15	29352	Cup Ass'y	1	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

PARTS MANUAL FORMAT

1. **SECTION** refers to the major divisions of the Parts Manual.
2. **PAGE** indicates the page number of the illustration or parts list.
3. The **REF.** number shown in the first column of the parts list, corresponds to the callout in the illustration on the same page or facing page.
4. The Terex Aerials **PART NUMBER** is shown in the second column for items that are serviceable
5. **DESCRIPTION** of the part or assembly is shown in the third column.
6. **QUANTITY** indicates the quantity of items used in the assembly or sub-assembly directly above.
 - A Ref. indicates the item is not serviceable or is part of another assembly.
 - B. AR indicates the item is used as required. Some quantities may be specified "For Machine".
7. Indented Items are items that are included in the subassembly directly above. See the example below for the indenture system use in this manual.

EXAMPLE:

Ref.	Part No.	Description	Qty
	123456	Assembly	Ref.
1	234567	Part of Assembly	1
2	345678	Subassembly	1
	456789	Part of Subassembly	2

8. Common abbreviations and symbols that are used throughout this manual are shown on page 1.10 for reference.
9. **REMARKS** are shown in the fifth or far right column. The Remark column will include page number references for more detailed breakdowns, keyed items included in Kits indicated by symbols * ^ , sizes & special information.

EXAMPLE:

Part No.	Description	Qty	Remarks

HOW TO ORDER PARTS



1A

1B

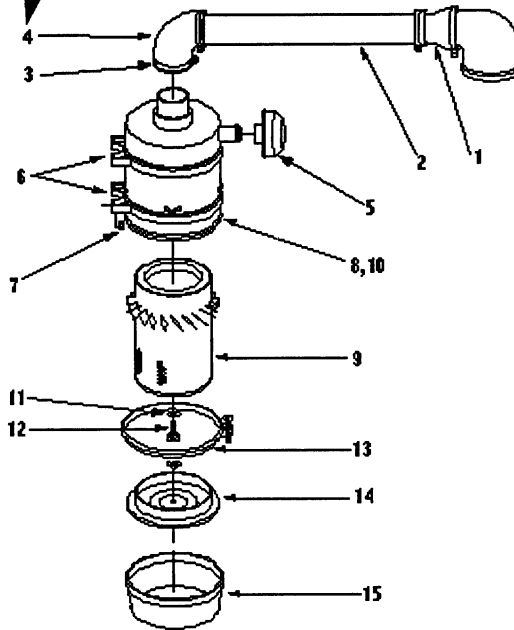
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AIR CLEANER



1D

1C

Ref.	Part No.	Description	Qty	Remarks
1		Hose	Ref.	
2	212010	Tube	1	
3	65435	Clamp	2	
4	1243-68	Elbow	1	
5	160083	Hood, Air Cleaner	1	
6	65412	Band, Mounting	2	
7	1205-45	Locknut, 3/8C	4	
8	160082	Air Cleaner	1	Incl. Items 9 thru 15
9	1243-75	Element	1	
10	29347	Decal	1	
11	29348	Gasket, Washer	1	
12	29349	Screw, Thumb	1	
13	29350	Clamp Ass'y	1	
14	29351	Baffle Ass'y	1	
15	29352	Cup Ass'y	1	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

1. Find the Terex Aerials Part Number.

- A. Using the Table of Contents, find the Section and Page Number.
- B. Match the required part to the illustration and note the callout number.
- C. Find the corresponding Reference number in the parts list below the illustration or on the facing page.
- D. Use the Terex Aerials Part Number listed next to the Ref. number when ordering.
- E. Always include the complete part number, as shown in the Parts Manual, along with the description of the part and specify the quantity of the part you wish to order.
- F. Anticipate your spare parts requirements.
- G. Place orders early in the day.
- H. Keep a supply of normal maintenance and recommended spare parts in stock.
- I. Obtain recommended parts stocking requirements from Terex Aerials or your Terex Aerials Distributor.

2. Customer Ordering:

Genuine Terex Aerials parts are available worldwide and must be ordered through your local Terex Aerials Distributor. For your nearest Terex Aerials Distributor, contact the Parts Sales Center at the numbers listed below.

3. Distributor Ordering: Listed below in the respective order of preference, are the methods of ordering parts.

- A. ON LINE (Preferred)
- B. FAX: (601) 393-1751
- C. PHONE: (601) 393-1351
- D. MAIL: Terex - Southaven
8800 Rostin Road
P.O. Box 923
Southaven, MS 38671 - 0923

NOTE: If your Parts Department is not ON-LINE, contact the PARTS SALES CENTER for information on using this system.

4. Any errors, comments, or suggestions should be forwarded to the Director of Product Support at the following address:

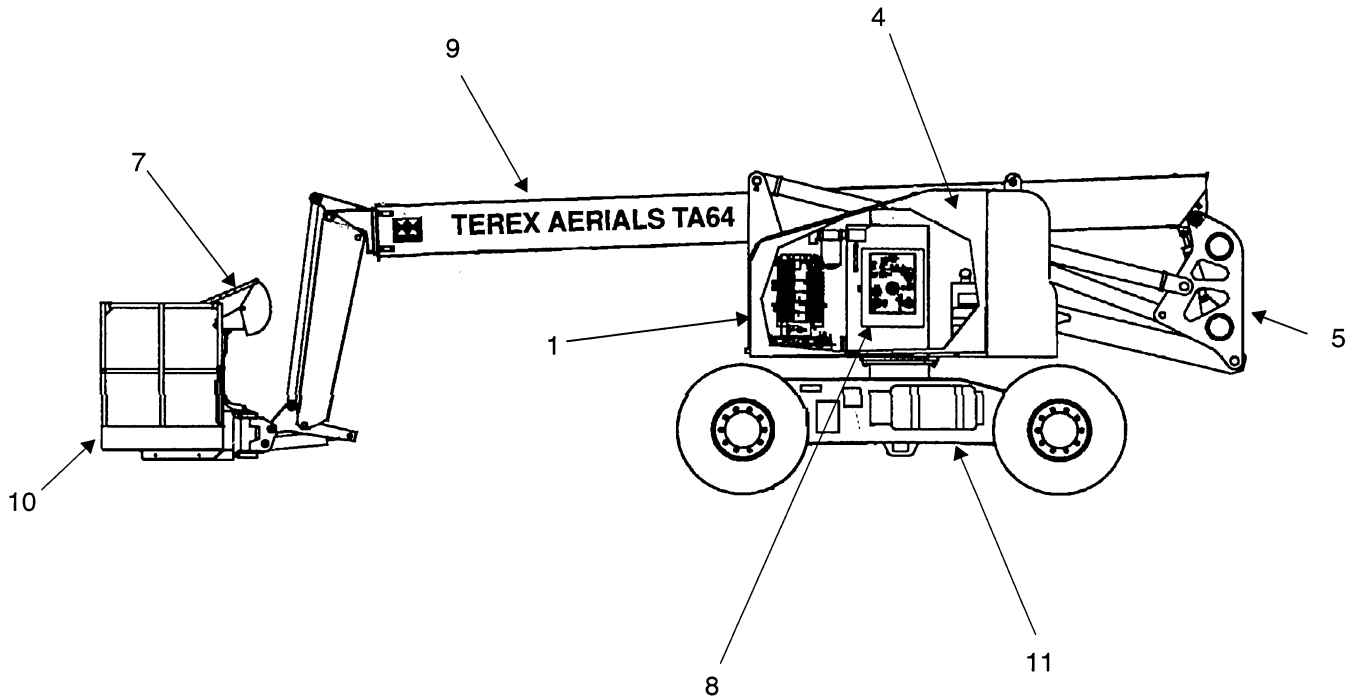
Terex Aerials
10600 W. Brown Deer Rd.
Milwaukee, WI 53224

ABBREVIATIONS AND SYMBOLS

AC	ALTERNATING CURRENT	"	INCHES
ADPTR	ADAPTER	INT	INTERNAL
AMP	AMPERE	INV	INVERTED
APPROX	APPROXIMATELY	LG	LENGTH
AR	AS REQUIRED	LH	LEFT HAND
ASSY	ASSEMBLY	MAX	MAXIMUM
AVAIL	AVAILABLE	MIN	MINIMUM
BRG	BEARING	MM	MILLIMETER
BRKT	BRACKET	MTG	MOUNTING
CCW	COUNTER CLOCKWISE	NO	NUMBER
CFM	CUBIC FEET PER MINUTE	NSS	NOT SOLD SEPARATELY
CHRG	CHARGING	OD	OUTSIDE DIAMETER
CTSK	COUNTERSUNK	P/N	PART NUMBER
CVR	COVER	PTO	POWER TAKE-OFF
CW	CLOCKWISE	#	POUND
CYL	CYLINDER	QTY	QUANTITY
°	DEGREE	RD	ROUND
DC	DIRECT CURRENT	REF	REFERENCE
DIA	DIAMETER	RH	RIGHT HAND
DRV	DRIVE	ROT	ROTATION
ENG	ENGINE	RPM	REVOLUTIONS PER MINUTE
EXH	EXHAUST	SL	SLOTTED
EXT	EXTERNAL	SM	SMALL
FT	FEET	SPD	SPEED
GAL	GALLON	STD	STANDARD
GR	GRADE	T	TOOTH
GSK	GASKET	THK	THICK
HD	HEAD	THRU	THROUGH
HEX	HEXAGON	TEMP	TEMPERATURE
HP	HORSEPOWER	V	VOLT
HSG	HOUSING	VAC	VOLTS ALTERNATING CURRENT
HT	HEAT TREATED	VARI	VARIABLE
HYD	HYDRAULIC	VS	VARIABLE SPEED
HZ	HERTZ	W/	WITH
ID	INSIDE DIAMETER	W/O	WITHOUT
INCL	INCLUDES		

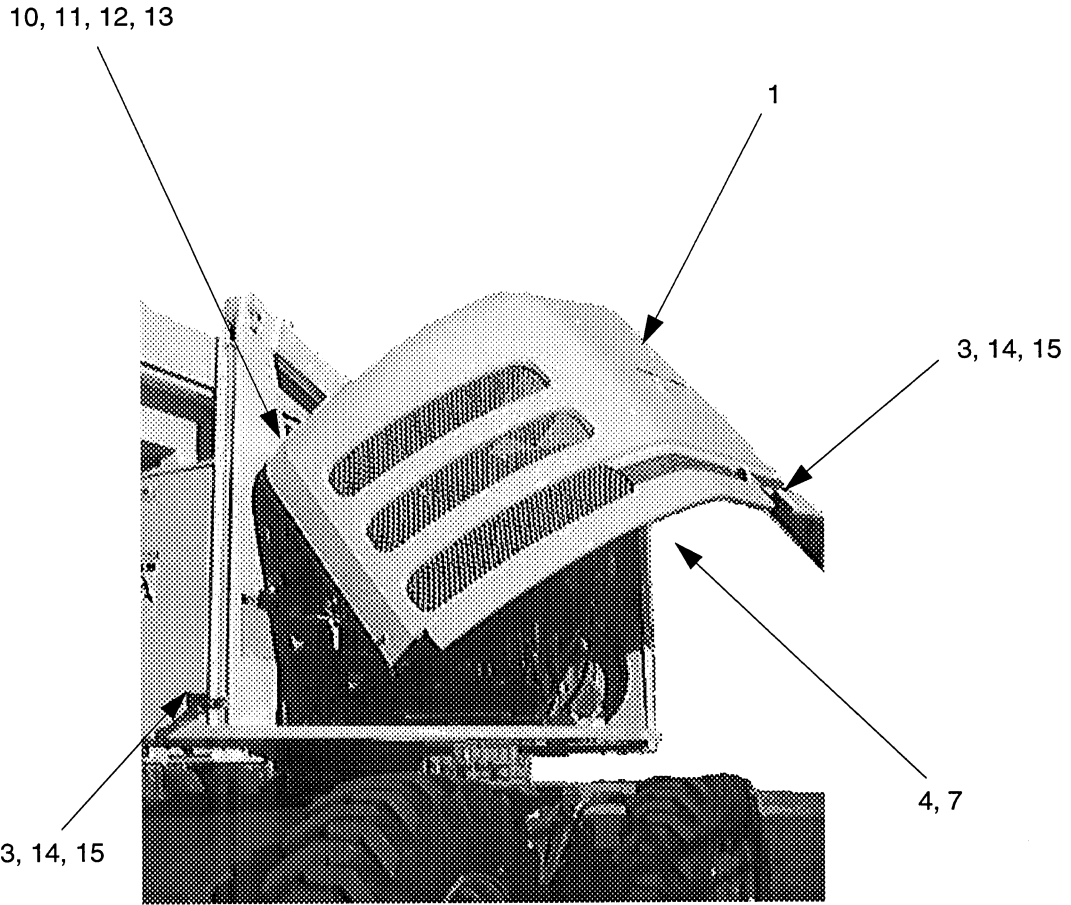
SECTION 2 "FINAL ASSEMBLY" CONTAINS:

<u>PAGE</u>	<u>TITLE</u>
2.1	FINAL ASSEMBLY
2.2	SHEET METAL
2.4	DECALS & PAINT



Ref.	Part No.	Description	Qty	Remarks
	141900	Final Assembly	Ref.	Incl. Items 1 thru 8
1	213058	Turret Weldment	1	Page 4.2
2	212046	Swing Drive Ass'y	1	Page 4.2
3	212043	Upper Hydraulic Ass'y	1	Page 4.22
4	143007	Turret Cover Ass'y	1	Page 2.2
5	141905	Riser & Boom Installation Ass'y	1	Page 5.2
6	212671-1	Power Track Ass'y	1	Page 5.12
7	213015	Aerial Control Box Ass'y	1	Page 6.4
8	213016	Ground Control Box	1	Page 4.20
9	212862	Boom Ass'y	1	Page 5.4
10	212474	Platform Ass'y 6' Flat Mount	1	Page 6.2
11	212029	Base Ass'y	1	Page 3.2

TURRET COVERS



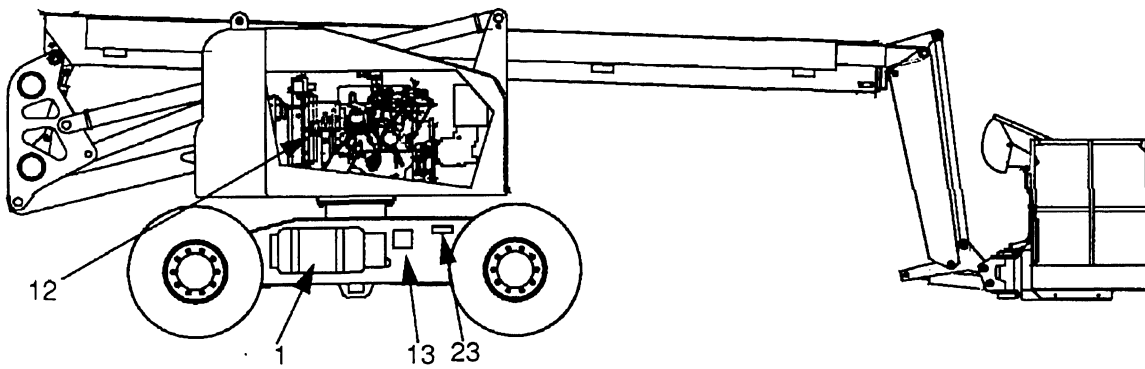
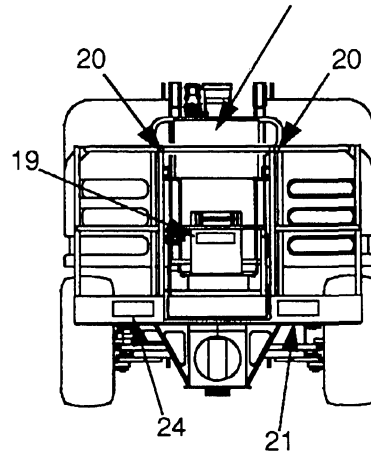
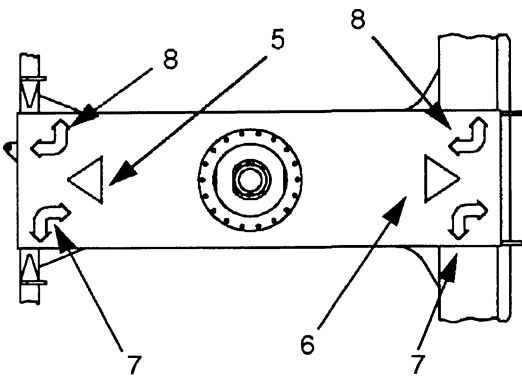
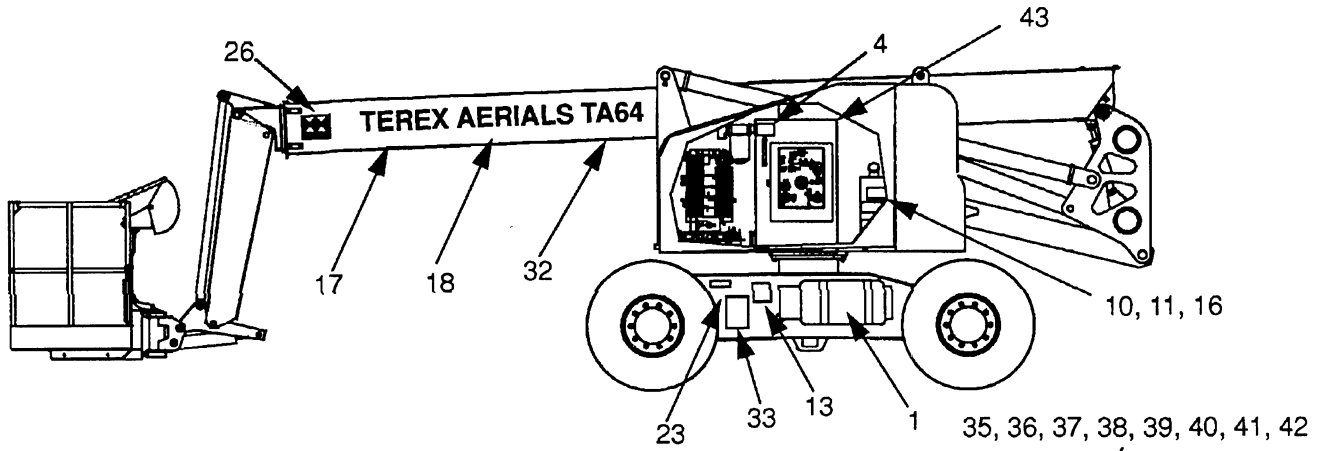
TURRET COVERS

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Ref.	Part No.	Description	Qty	Remarks
	143007	Turret Cover Assy	1	Incl. Items 1 thru 17
1	141908	Cover, Right	1	
2	141907	Cover, Left	1	
3	160733	Latch Assy, Draw	2	
4	160734	Spring, Gas	4	
5	141934	Wear Pad	2	Located on Mast
6	141895	Wear Pad	1	Located on Rear of Turret
7	1205-34	Locknut, Hex	8	Each end of gas spring
8	1211-12	Screw	10	Mounts covers to Turret
9	1209-24	Washer	10	Mounts covers to Turret
10	141986	Bracket	2	
11	1200-9	Capscrew, Hex Head	4	Install Bracket 141986
12	1205-13	Nut, Hex	4	Install Bracket 141986
13	1210-14	Washer, Lock	4	Install Bracket 141986
14	1205-55	Locknut, Hex	8	Install Latch Assy.
15	311 1637	Capscrew, Hex Head	8	Install Latch Assy.
16	61835	Screw, Cap	4	Install wear pad 141934
17	61821	Screw, Flat Head Socket	2	Install wear pad 141895

DECALS & PAINT



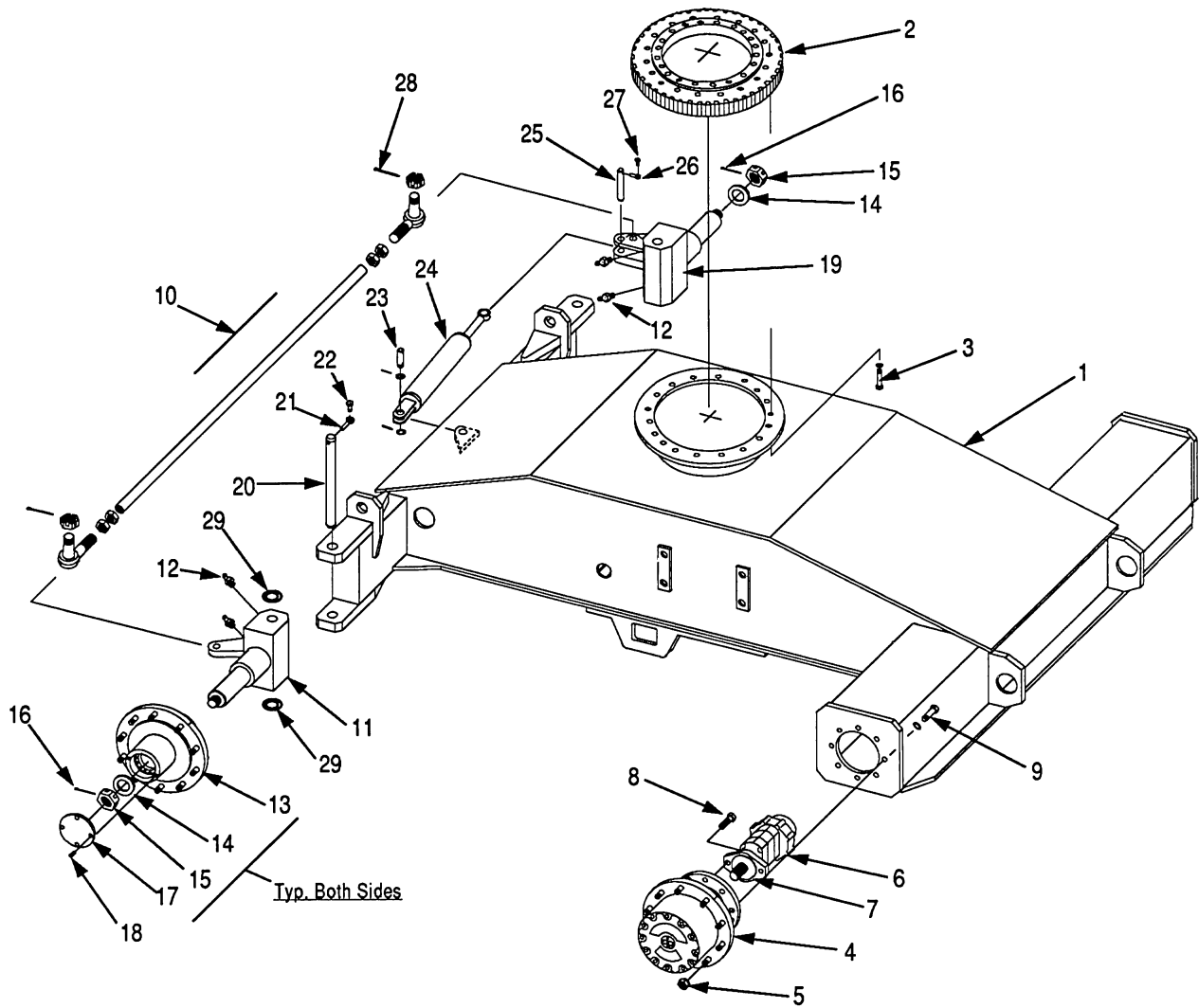
Ref.	Part No.	Description	Qty	Remarks
1	182821	Decal, Liquid Tank Only	2	
2	12400-3	Decal, Booster Cable	1	
3	185707	Decal, Power 110 VAC	1	
4	183402	Decal, Hyd. Sys. Fluid	2	
5	20461	Decal, Forward Arrow	1	
6	20462	Decal, Forward Arrow	1	
7	182709	Decal, Dir. Arrow (Green)	2	
8	182710	Decal, Dir. Arrow (Blue)	2	
9	181321	Decal, No Smoking	1	
10	181830	Decal, Diesel	1	
11	181829	Decal, Gas	1	
12	12260-701	Decal, Fan Warning	1	
13	181996	Decal, Tie Down TA64	2	
14	183405	Decal, Gen. Chk. & Op.	1	
15	12400-223	Decal, Danger	2	
16	12400-243	Decal, Caution, No Step	2	
17	181998	Decal, Terex	2	
18	181999	Decal, Aerials	1	
19	181113	Decal, Oper. & Safety	1	
20	181828	Decal, Safety Belt Here	2	
21	182307	Decal, Safety Belt First	1	
23	183101	Decal, Tire Replace	4	
24	181322	Decal, Rated Load	2	
25	183404	Decal, Aux G Control	1	
26	12400-664	Decal, Terex Crown	1	
27	185702	Decal, C. Breaker 110 VAC	1	
28	181328	Decal, Pinch Point	2	
29	20419	Decal, Danger - Keep Clear	2	
30	182121	Decal, Danger Crushing	1	
31	182829	Decal, FWD Arrow	2	
32	182852	Decal, TA64	1	
33	187854	Name-plate TA64	1	
34	182122	Decal, Power Lines	2	
35	182839	Decal, Operating Instructions	1	
36	182840-1	Decal, Aerial Control Station	1	Drive/Steer
37	182840-2	Decal, Aerial Control Station	1	Top/Face
38	182840-3	Decal, Aerial Control Station	1	L/H Corner
39	182840-4	Decal, Aerial Control Station	1	R/H Corner
40	182841-1	Decal, Riser Oper. Select	1	
41	182841-2	Decal, Riser Direction	1	Up
42	182841-3	Decal, Riser Direction	1	Down
43	181988	Decal, Ground Control Station	1	
44	10-256400	Paint, Grey		1 Gallon
45	35-51474	Paint, Grey		Aerosol Can
46	10-285300	Paint, White		1 Gallon
47	35-G9394A	Paint, White		Aerosol Can
48	362-04187	Paint, Blue		1 Gallon
49	35-041897	Paint, Blue		Aerosol Can

BASE ASSEMBLY

SECTION 3 "BASE ASSEMBLY" CONTAINS:

<u>PAGE</u>	<u>TITLE</u>
3.2	BASE
3.4	BASE HYDRAULICS
3.6	TIE ROD
3.7	WHEEL HUB
3.8	TORQUE HUB
3.10	DRIVE MOTOR
3.12	PARKING BRAKE
3.13	WHEEL & TIRE

BASE

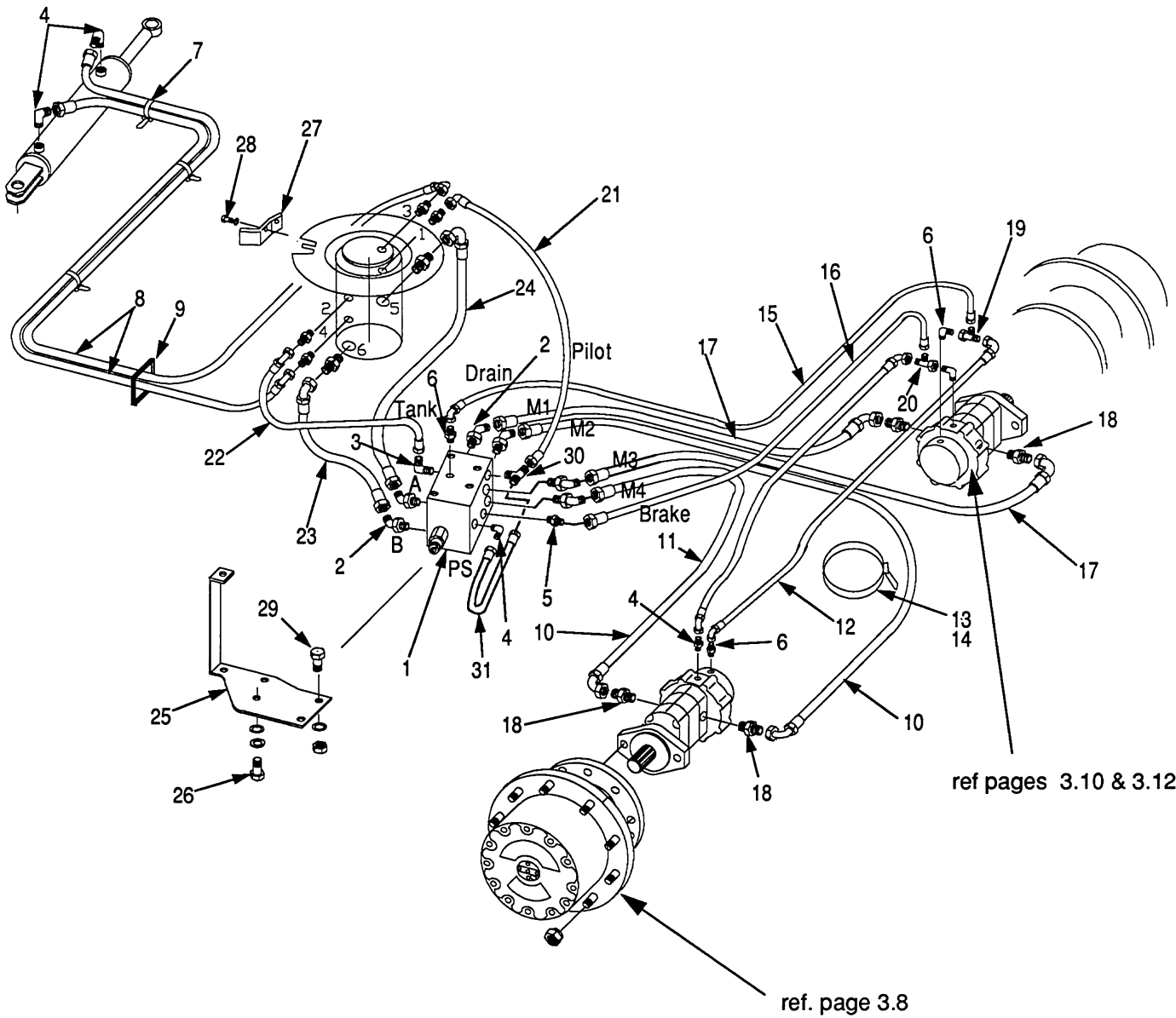


Ref.	Part No.	Description	Qty	Remarks
	212029	Carriage Assembly	1	Incl. 1 thru 28
1	211844	Carriage Weldment	1	
2	211773	Bearing, Swing	1	
3	1242-115	Capscrew	18	To be loctited upon assembly
	1209-48	Flatwasher	18	To be loctited upon assembly
4	210730	Torque Hub	2	See Page 3.8
5	65117	Nut, Ball (Wheel)	40	
6	81393	Drive Motor & Parking Brake Ass'y	2	See Pages 3.10 & 3.12
7	460 6309	O-Ring (Motor to Torque Hub Seal)	2	
8	1203-220	Capscrew	4	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

Ref.	Part No.	Description	Qty	Remarks
9	1242-45	Capscrew	16	
	1209-48	Flatwasher	16	
10	211915	Tie Rod Assembly	1	See Page 3.6
11	211936	Spindle, LH Rear	1	
	211941	Bushing, Flanged	2	
12	1213-1	Zerk, Grease	4	
13	211942	Wheel Hub Assembly	2	
14	211939	Washer, Thrust	2	
15	1205-143	Nut, Slotted	2	
16	1207-46	Cotter Pin	2	
17	211938	Cover, Wheel Hub	2	
18	1200-309	Capscrew	4	
	1210-14	Lockwasher	4	
19	211937	Spindle, RH Rear	1	
	212169	Bushing	2	
20	211914	King Pin	2	
21	706 9449	Rod End, Buck Pin	2	
22	1242-45	Capscrew	2	
23	211913	Pin	1	
	1209-70	Flatwasher	2	
	1207-40	Cotter Pin	2	
24	211758	Cylinder, Steering (Slave Level Cylinder)	1	See Section 5
25	211912	Pin	1	
26	211779	Rod Eye	1	
27	1242-134	Capscrew	1	
28	1207-14	Cotter Pin	2	
29	212170	Washer, Thrust	4	
30		Tire & Rim Ass'y (Not Shown)	4	

BASE HYDRAULICS

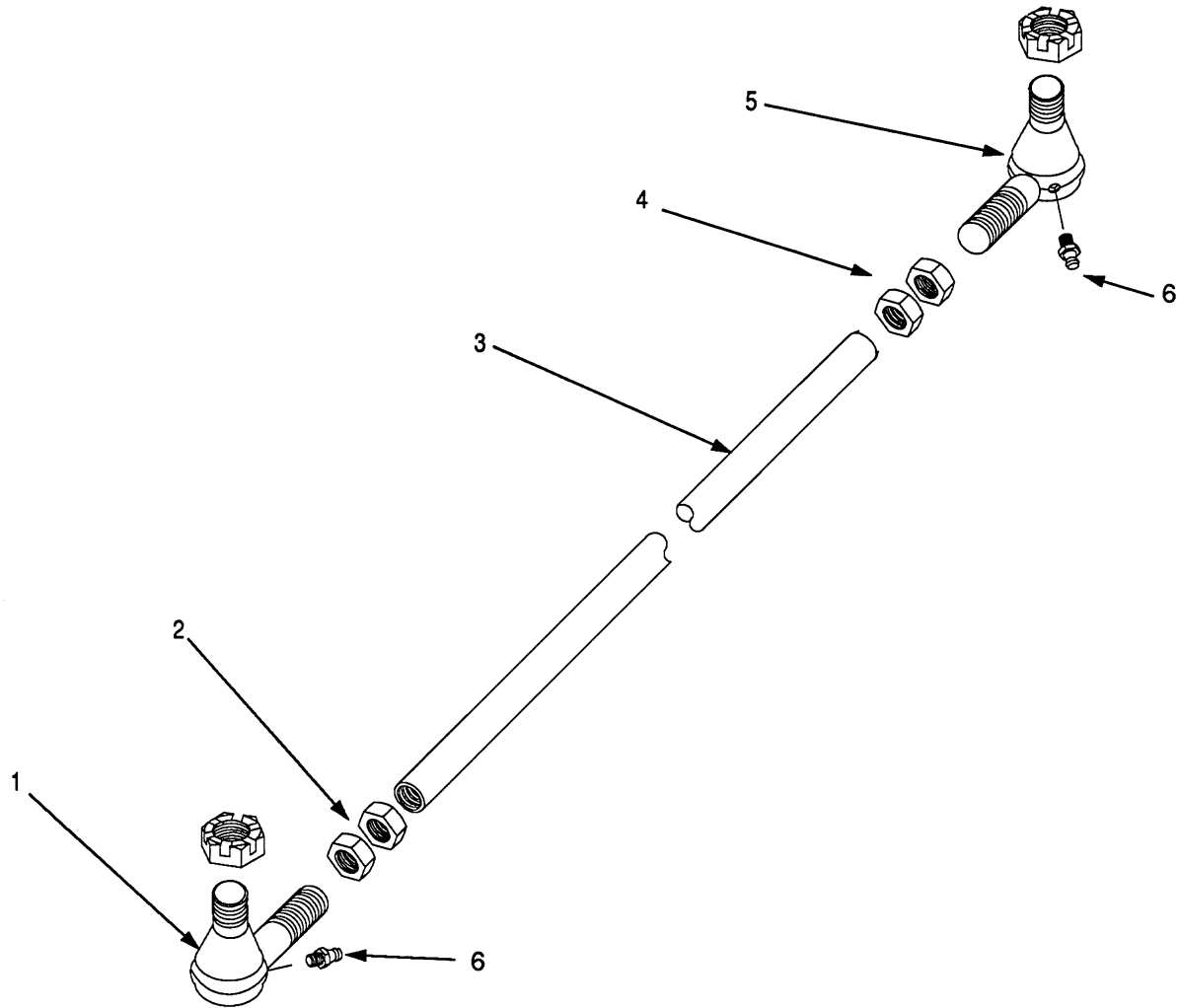


ref pages 3.10 & 3.12

ref. page 3.8

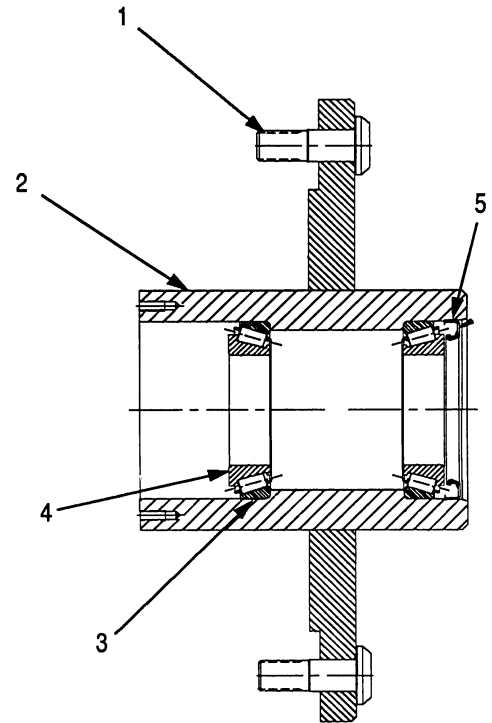
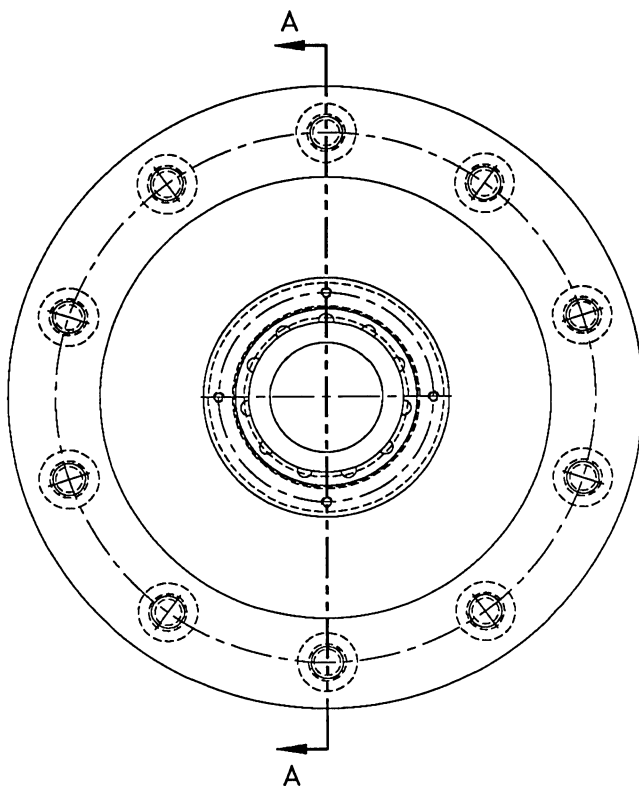
Ref.	Part No.	Description	Qty	Remarks
	212044	Lower Hydraulic Assembly	1	Incl. Items 1 thru 29
1	81445	Valve, Ground Drive	1	See Section 4
2	1219-663	Adapter	6	
3	1219-982	Adapter	1	
4	12019-548	Adapter	5	
5	1219-959	Adapter	1	
6	1219-776	Adapter	3	
7	1222-184	Tie Wrap	4	
8	212059-96	Hose	2	
9	12182-15	Trimlock	4	
10	212062-65	Hose	2	
11	212059-54	Hose	1	
12	212061-52	Hose	1	
13	200B2007-28	Clamp	1	
14	1205-36	Nut	1	
	1209-4	Flatwasher	1	
15	212061-58	Hose	1	
16	212060-54	Hose	1	
17	212062-78	Hose	2	
18	1219-389	Adapter	4	
19	12019-112	Tee	1	
20	12019-453	Tee	1	
21	212059-36	Hose	1	
22	212061-22	Hose	1	
23	212062-22	Hose	1	
24	212062-28	Hose	1	
25	212009	Bracket, Ground Drive Valve	1	
26	1200-59	Capscrew	3	
	1210-20	Lockwasher	3	
	1209-4	Flatwasher	3	
27	212008	Plate, Rotary Manifold	1	
28	1200-59	Capscrew	2	
	1209-4	Flatwasher	2	
29	1200-61	Capscrew	3	
	1210-20	Lockwasher	3	
	1209-4	Flatwasher	3	
	1205-36	Nut	3	

TIE ROD ASS'Y



Ref.	Part No.	Description	Qty	Remarks
	212346-1	Tie Rod Assembly (Fixed Axle & 2WD Osc.)	1	Incl. Items 1 thru 6
	212346-2	Tie Rod Assembly (4WD Osc.)	1	Incl. Items 1 thru 6
1	20569	End, LH	1	
2	20567	LH Jam Nut	2	
3	212345	Tube	1	
4	20566	RH Jam Nut	2	
5	20568	End, RH	1	
6	1213-1	Zerk, Grease	2	

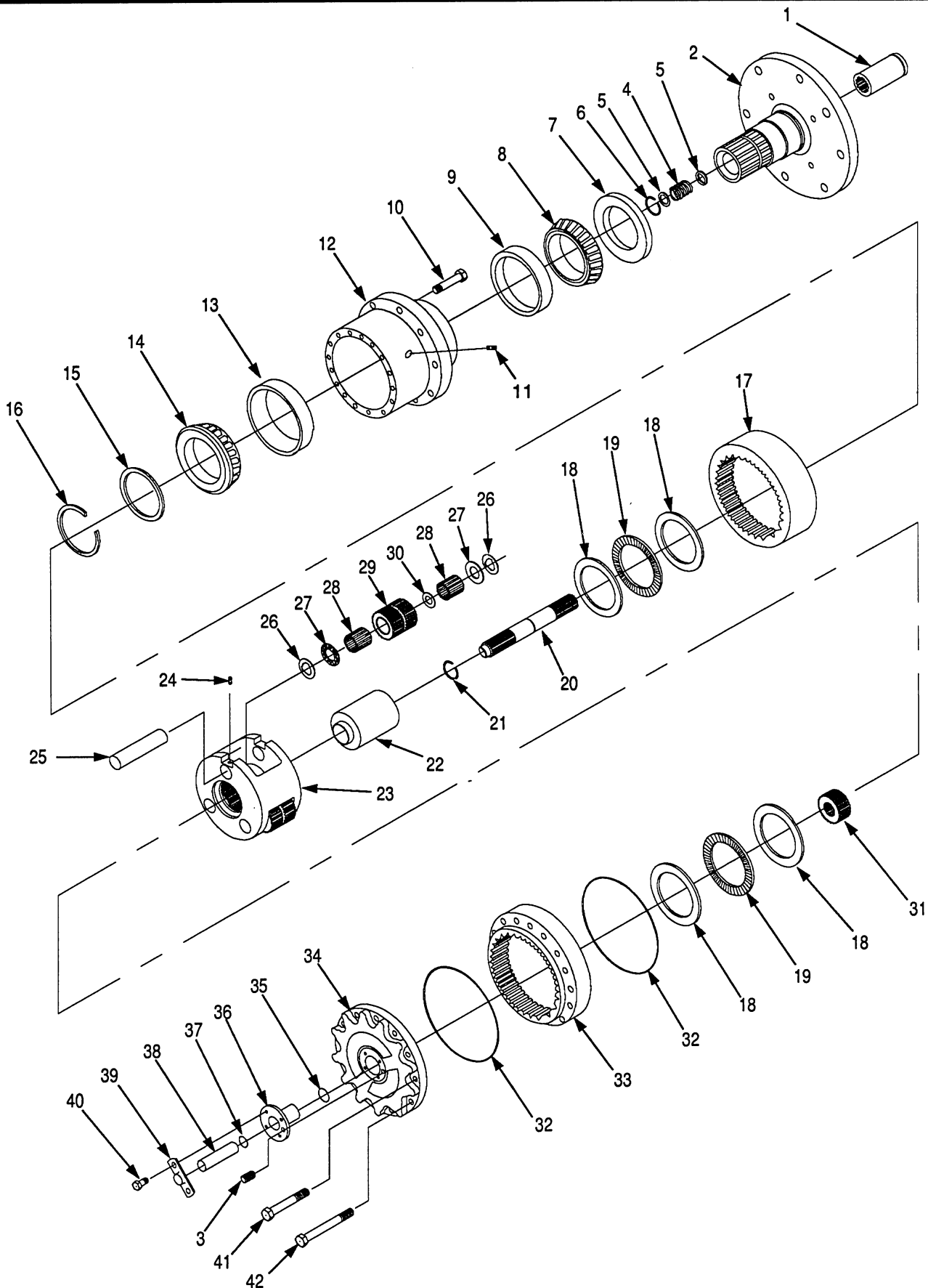
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED



SECTION A-A

Ref.	Part No.	Description	Qty	Remarks
	211942	Wheel Hub Assembly (Incl. Items 1 thru 5)	1	2 Per Machine
1.	65351	Stud, Wheel	10	
2	211928	Hub, Wheel	1	
3	211945	Cup, Bearing	2	
4	211944	Cone, Bearing	2	
5	211943	Seal	1	
6	160724	Nut, Wheel Lug	AR	

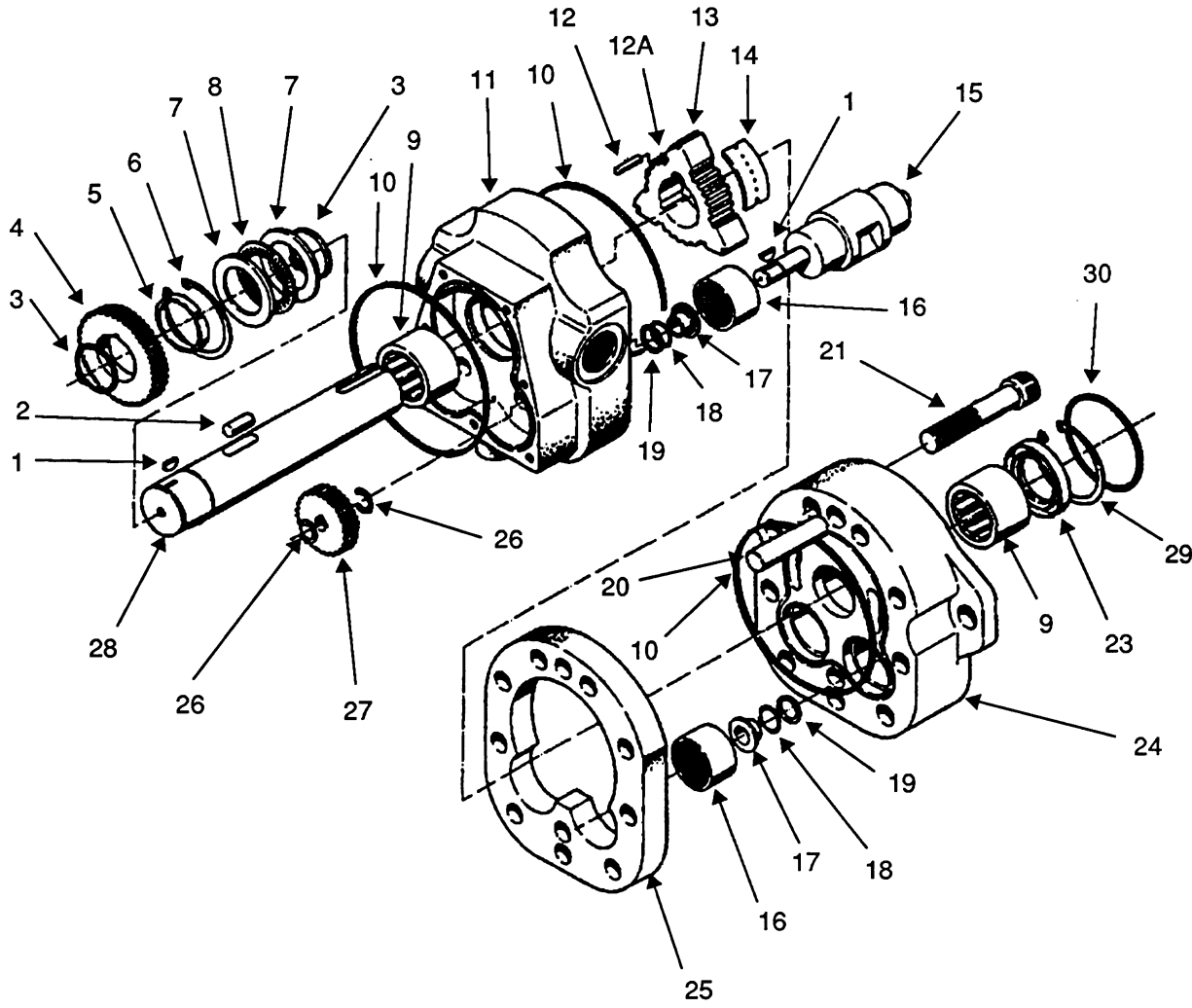
TORQUE HUB



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

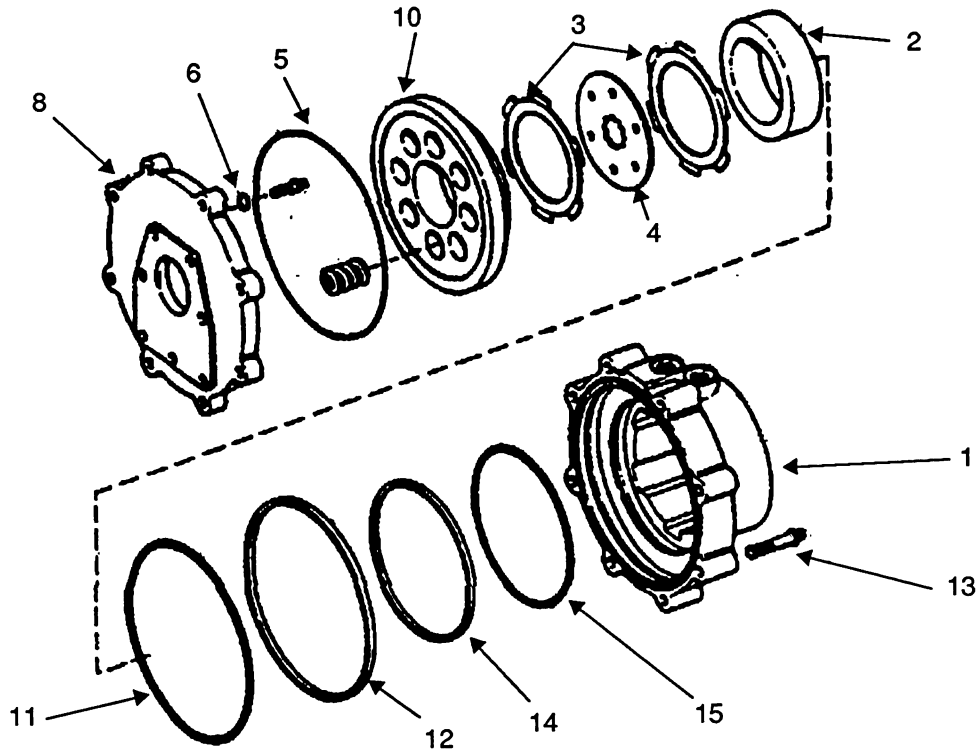
Ref.	Part No.	Description	Qty	Remarks
	212509	Torque Hub (Fairfield)	1	Incl. Items 1 thru 43
	67870	Kit, Seal	1	Incl. Items w/Asterisk *
1	67881	Coupling	1	
2	600600	Spindle	1	
3	68287	Plug, Pipe	1	
4	68293	Spring	1	
5	67892	Washer, Thrust	2	
6	66524	Ring, Retaining	1	
7	66399	Seal	1	*
8	67920	Cone, Bearing	1	
9	67912	Cup, Bearing	1	
10	67884	Stud	10	
11	68286	Plug, Pipe	2	
12	68302	Hub	1	
13	67913	Cup, Bearing	1	
14	67921	Cone, Bearing	1	
15	67903	Washer, Thrust	1	
16	66516	Ring, Retaining	1	*
17	68290	Gear, Internal	1	
18	66436	Washer, Thrust	4	
19	66437	Bearing, Thrust	2	
20	68292	Shaft, Input	1	
21	67889	Ring, Retaining	1	
22	67905	Spacer, Input	1	
23	66429	Carrier	1	
24	66433	Pin, Roll	3	
25	66431	Shaft, Planet	3	
26	66430	Washer, Thrust	6	
27	66434	Washer, Thrust	6	
28	66423	Roller, Needle	84	
29	66432	Gear, Cluster	3	
30	67904	Spacer	3	
31	68289	Sun Gear, Input	1	
32	66397	O-Ring	2	*
33	68291	Gear, Ring	1	
34	66724	Cover	1	*
35	66439	O-Ring	5	*
36	66341	Cap, Cover	1	*
37	66438	O-Ring	5	*
38	66230	Rod, disconnect	1	
39	66115	Cap, Disconnect	1	
40	67928	Bolt	4	
41	67929	Bolt	8	
42	67930	Bolt, Shoulder	4	
43	67905	Spacer, Thrust	1	
44	160724	Nut, Wheel Lug	AR	

DRIVE MOTOR

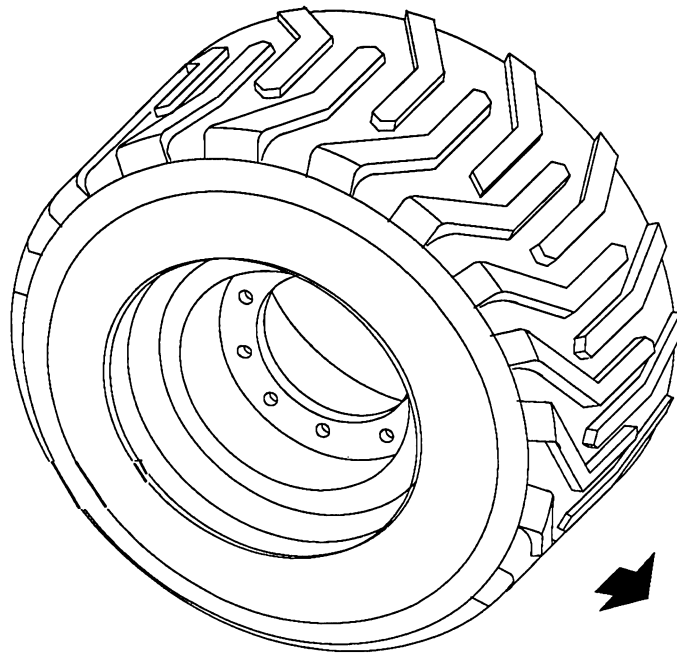


DRIVE MOTOR

Ref.	Part No.	Description	Qty	Remarks
	81393	Hydraulic Motor w/Brake	2	Incl. Items 1 thru 31 & Items 1 thru 15 Page 3.12
	69683	Motor only	1	Incl. Items 1 thru 31
	69684	Kit, Seal	1	Incl. Items w/Asterisk*
1	69685	Key, Woodruff	3	
2	69686	Pin, Drive	1	
3	69687	Ring, Retaining	2	
4	69688	Gear, Drive	1	
5	69689	Washer, Spacer	1	
6	69690	Ring, Retaining	1	
7	69691	Race, Bearing	2	
8	69692	Bearing, Thrust	1	
9	69693	Bearing, Needle	2	
10	69694	Oil Seal	3	*
11	69695	Cap, Rear End	1	
12	69696	Roller, Tip Seal	3	
12A	69697	Roller, Body Seal	18	
13	69698	Rotor	1	
14	69699	Plate, Seal	3	
15	69700	Valve, Abutment	2	
16	69701	Bearing, Needle	4	
17	69702	Bearing, Step	4	
18	69703	O-Ring	4	*
19	69704	Ring, Back-Up	4	*
20	69705	Pin, Dowel	2	
21	69706	Capscrew	9	
23	69707	Seal, Shaft	1	*
24	69708	Cap, Front End	1	
25	69709	Housing, Displacement	1	
26	69710	Ring, Retaining	4	
27	69711	Pinion, Gear	2	
28	69712	Shaft, Splined	1	
29	69713	Ring, Retaining	1	*
30	69714	O-Ring	1	
31	69715	Cap, Front Sealing	1	Not Shown



Ref.	Part No.	Description	Qty	Remarks
	69731	Brake, Parking	2	Incl. Items 1 thru 15
	68134	Kit, Seal	1	
1	69716	Housing	1	
2	69717	Ring, Spacer	1	
3	69718	Disc, Friction	5	
4	69719	Driver, Plate	4	
5	69720	O-Ring	1	
6	69721	Washer, Brass	7	
7	69722	Capscrew, Socket Head	7	
8	69723	Plate, Adapter	1	
9	69724	Spring, Die	8	
10	69725	Plate, Pressure	1	
11	69726	Ring, Back-Up	1	
12	69727	O-Ring	1	
13	69728	Capscrew, Socket Head	8	
14	69729	O-Ring	1	
15	69730	Ring, Back-Up	1	



(direction of travel)

Ref.	Part No.	Description	Qty	Remarks
	212504-1	Wheel & Tire Ass'y, Monofilled - RH	2	Shown Tread Opposite
	212504-2	Wheel & Tire Ass'y, Monofilled - LH	2	
<p><i>Tire & Wheel can only be purchased as an Assembly. Mono-Fill is necessary for machine stability and to prevent tire from deflating.</i></p>				

SECTION 4 "TURRET ASSEMBLY" CONTAINS:

<u>PAGE</u>	<u>TITLE</u>
4.2	TURRET
4.4	TURRET ROTATION GEAR BOX
4.6	ROTATION MOTOR

FORD ENGINE

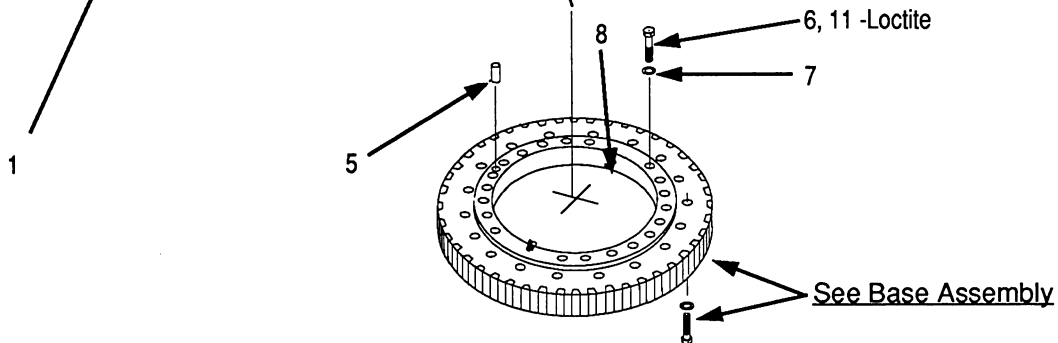
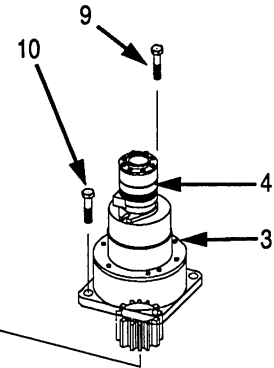
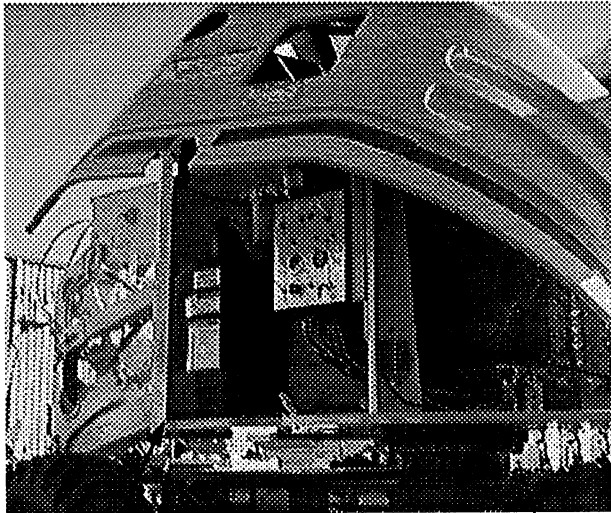
<u>PAGE</u>	<u>TITLE</u>
4.7	ENGINE (FORD)
4.8	ENGINE (FORD)
4.10	AIR CLEANER (FORD)
4.11	FUEL TANK (FORD)
4.12	ENGINE - LP/ GAS(FORD)
4.13	ENGINE CONTROL PANEL (FORD)
4.14	LP FUEL SYSTEM (FORD)
4.16	BATTERY ASSEMBLY (FORD)

TURRET ASSEMBLY

SECTION 4 "TURRET ASSEMBLY" CONT'D.

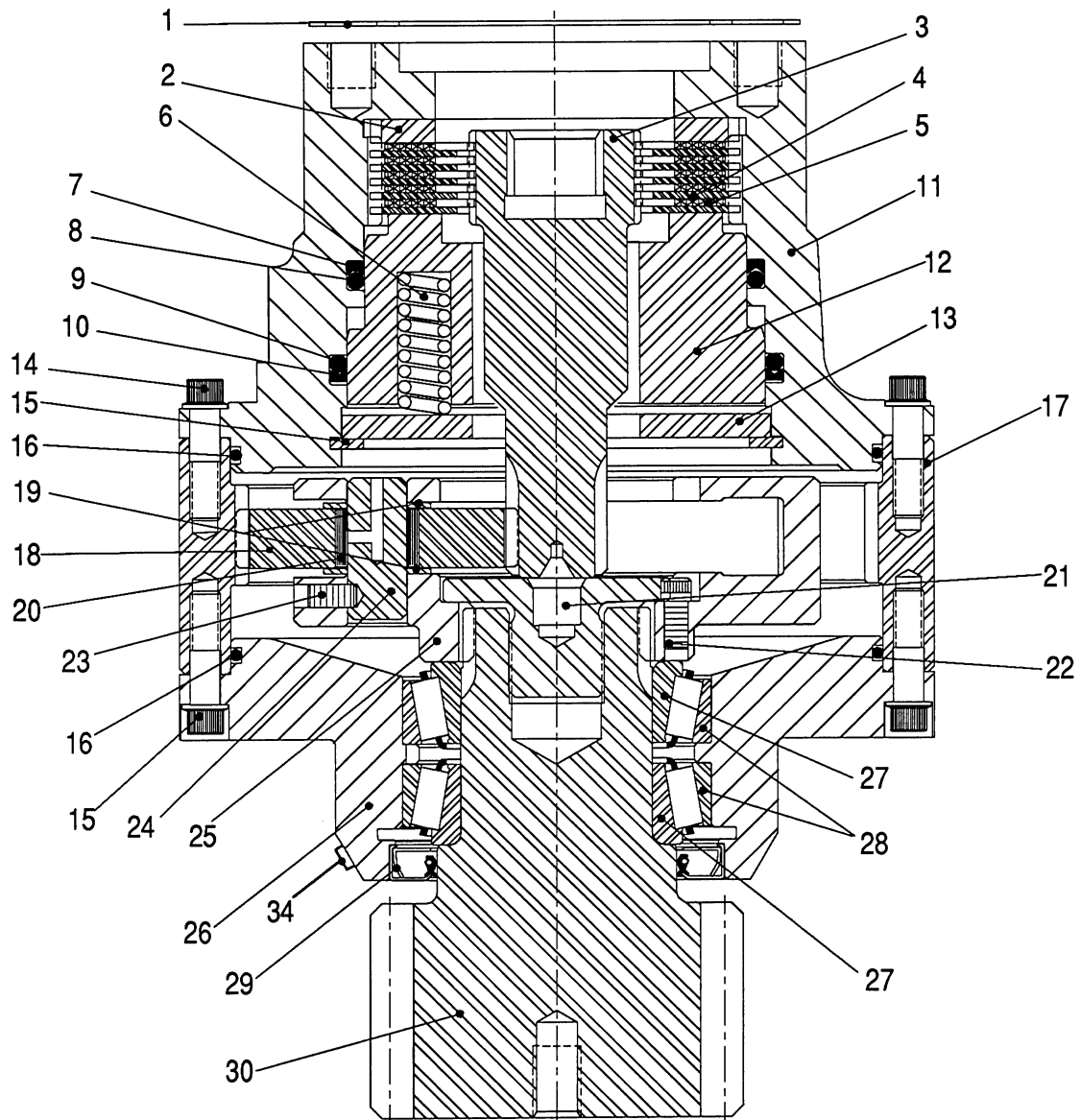
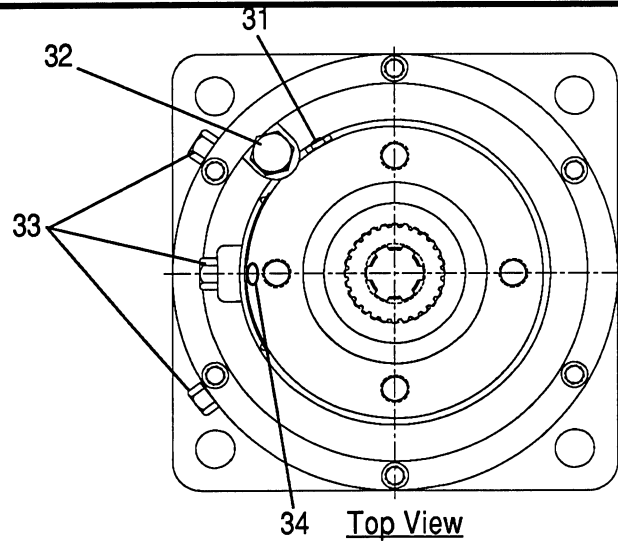
<u>PAGE</u>	<u>TITLE</u>
4.18	MAIN PUMP
4.20	TURRET HYDRAULICS
4.22	UPPER HYDRAULICS
4.24	HYDRAULIC RESERVOIR & FILTER
4.25	EMERGENCY PUMP/MOTOR
4.26	MAIN VALVE
4.30	FUNCTION VALVE (2 WD)
4.32	FUNCTION VALVE (4 WD)
4.34	ROTARY MANIFOLD
4.35	MASTER LEVELING CYLINDER (STEER CYLINDER)
4.36	TURRET WIRING
4.38	GROUND CONTROL BOX
4.40	MAIN PUMP CONTROL

TURRET



Ref.	Part No.	Description	Qty	Remarks
1	213058	Turret Weldment	1	
2	212046	Turret Rotation Gear Box Ass'y	1	Incl. Items 3 thru 10
3	211930	Rotation Gear Box	1	See Page 4.4
4	81452	Rotation Motor	1	See Page 4.6
5	200B0039-35	Dowel Pin	1	
6	1242-115	Capscrew	20	
7	1209-48	Flatwasher	20	
8	1213-6	Grease Zerk	2	
9	316 7276	Capscrew	2	
10	316 2364	Capscrew	4	
11	511 2057	Loctite	AR	

TURRET ROTATION GEAR BOX



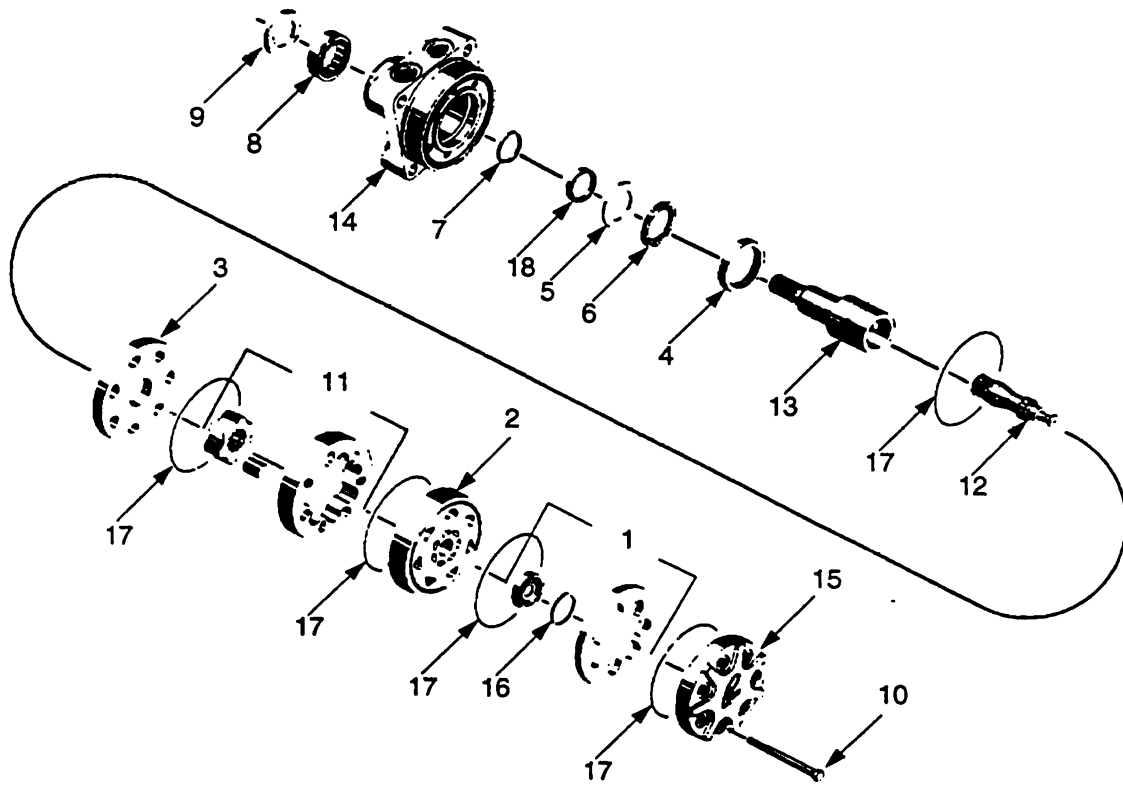
TURRET ROTATION GEAR BOX

Model TA64

Issued 1-98

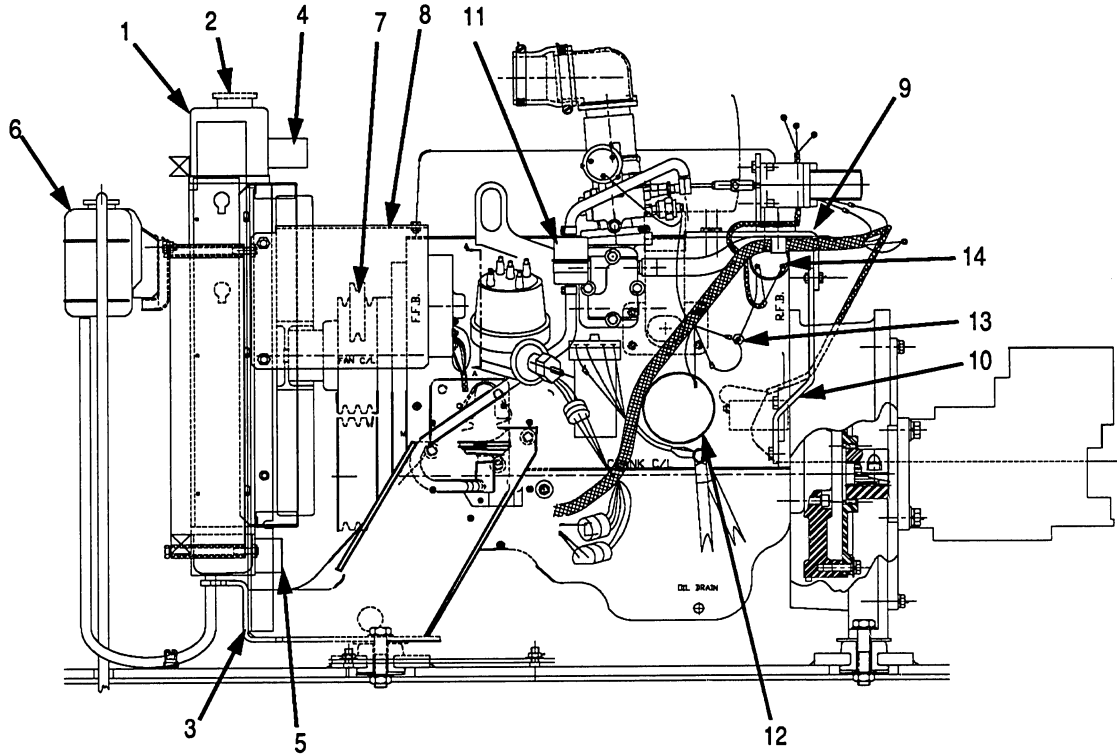
Ref.	Part No.	Description	Qty	Remarks
	211930	Rotation Gear Box, Complete	1	Incl. Items 1 thru 34
1	69632	Gasket, Motor To Gear Box	1	1/32"
2	69637	Plate, Back-up	1	
3	69627	Gear, Input Sun	1	
4	69636	Disc, Brake	5	
5	69635	Disc, Reaction	5	
6	69633	Spring, Brake	11	
7	69649	Ring, Back-Up	1	
8	69648	O-Ring	1	
9	1218-194	O-Ring	1	
10	69650	Ring, Back-Up	1	
11	69628	Housing, Brake	1	
12	69634	Piston, Brake	1	
13	69625	Plate, Spring	1	
14	69645	Capscrew, Ferry	22	
15	69643	Ring, Snap	1	
16	28950	O-Ring	2	
17	69622	Housing	1	
18	69626	Gear, Planet	3	
19	69641	Washer, Thrust	6	
20	69640	Roller, Bearing	54	
21	69624	Bolt, Special	1	
22	69646	Capscrew, Socket Head	1	
23	69647	Setscrew, Socket Head, Full Point	3	
24	69623	Shaft, Planet	3	
25	69630	Carrier, Planet	1	
26	69629	Base	1	
27	69638	Cone, Bearing	2	
28	69639	Cup, bearing	2	
29	69642	Seal	1	
30	69631	Shaft, Output	1	
31	69644	Plug, Vent	1	
32	1219-980	Plug	1	
33	1219-763	Plug	3	
34	69651	Plug	1	

ROTATION MOTOR



Ref.	Part No.	Description	Qty	Remarks
	81452	Motor, Rotation	1	Incl. Items 1 thru 14
	600471	Kit, Seal	1	Incl. Items w/Asterisk
1	69668	Body	1	Incl. Bearing & Seals
2	69669	Seal, Dust	1	*
3	69670	Seal, Lip	1	*
4	69671	Seal, Square Ring	4	*
5	69672	Retainer Bearing w/DU	1	
6	69673	Washer Bearing	1	
7	69674	Shaft, Splined	1	
8	69675	Drive Link	1	
9	69677	Commutator Plate	1	
10	69678	Ball, Check Valve	2	
11	69679	Valve Plate/Spacer Set	1	
12	69680	IGR Ass'y	1	
13	69681	Cover	1	
14	69682	Bolt	8	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

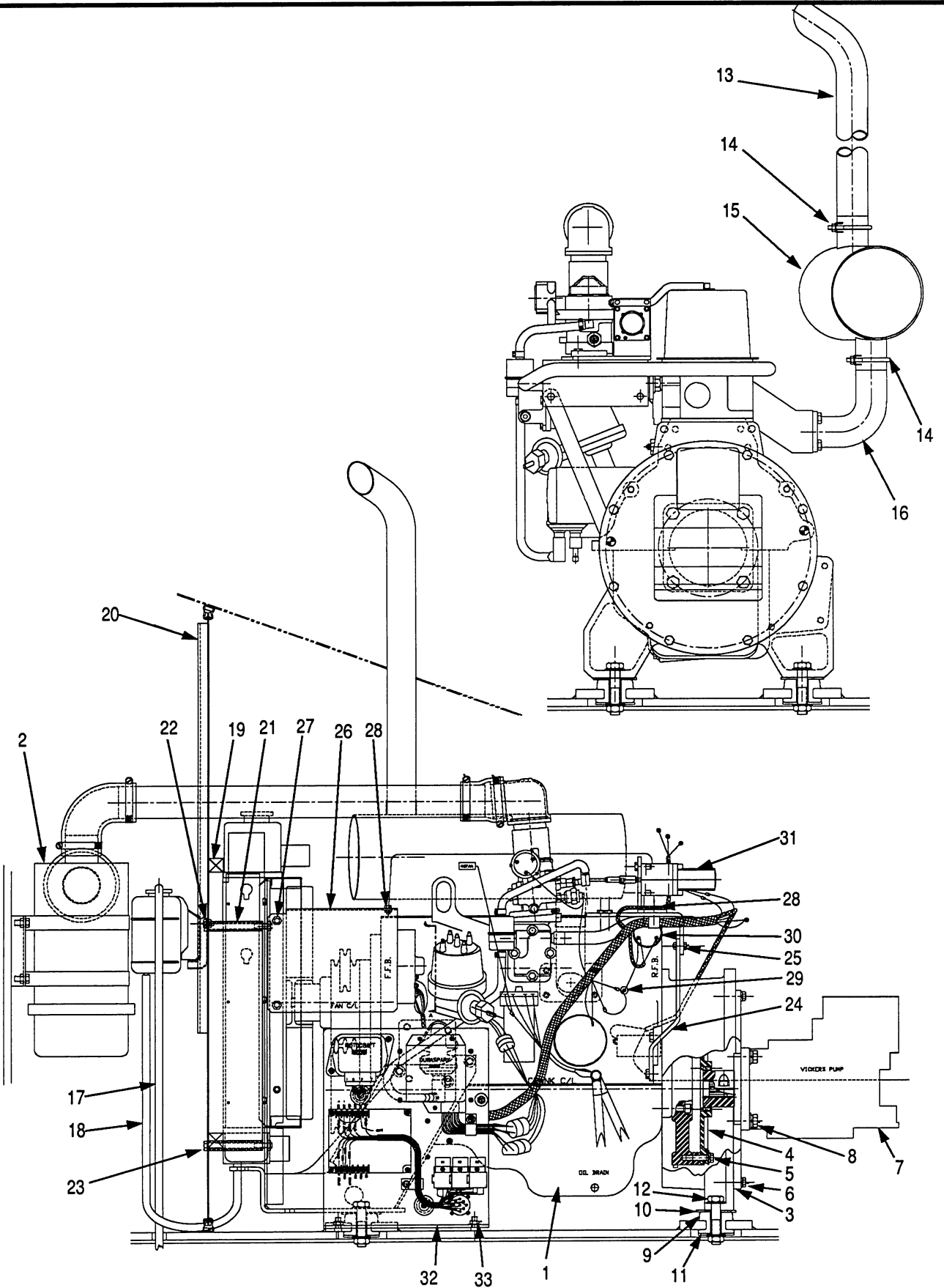


Ref.	Part No.	Description	Qty	Remarks
1	69776	Radiator	1	
2	69777	Cap, Radiator	1	
3	212083	Bracket, Radiator Support	1	
4	69778	Hose, Upper	1	
5	69779	Hose, Lower	1	
6	69780	Tank, Recovery	1	
7	69783	Belt, Fan	1	
8	212039	Cover, Alternator	1	
9	212072	Bracket, Governor Mounting	1	
10	212052	Support, Governor Bracket	1	
11	69781	Filter, Fuel	1	
12	69782	Filter, Oil	1	
13	160676	Temperature Switch	1	
	1219-214	Bushing	1	
14	U441 6822	Switch, Oil Pressure	1	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

ENGINE (FORD)

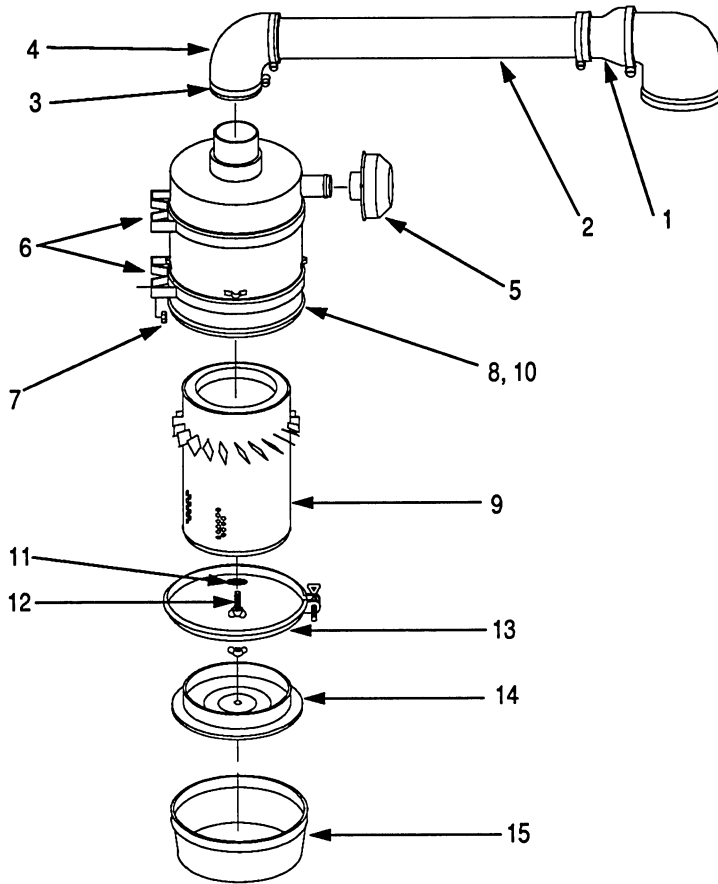
 **TEREX AERIALS**



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

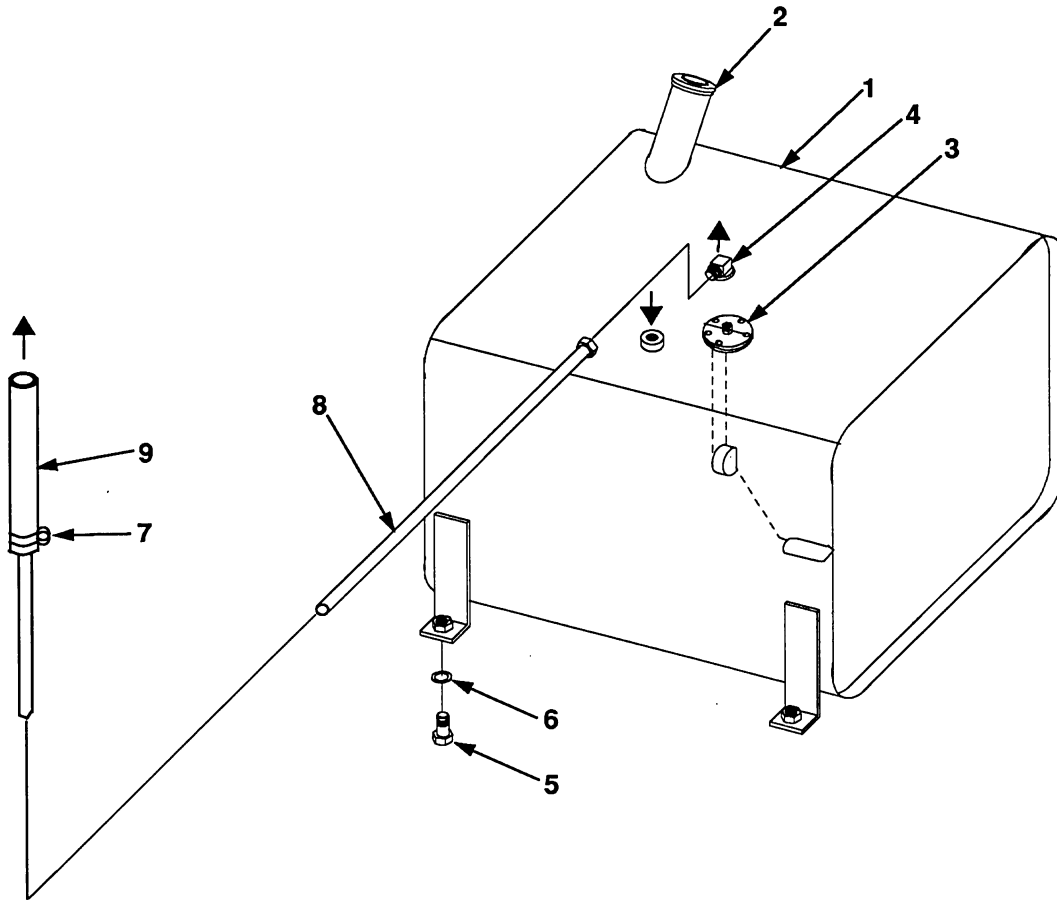
Ref.	Part No.	Description	Qty	Remarks
	212082	Engine Assembly	Ref.	Incl. Items 1 thru 33
1	160678	Engine	Ref	See Ford for Parts & Service
2		Air Cleaner	Ref.	See Page 4.10
3	212069	Cover, Flywheel	1	
4	211989	Flywheel Coupling	1	
5	1200-61	Capscrew	8	
	1210-20	Lockwasher	8	
	1209-4	Flatwasher	8	
6	1200-61	Capscrew	8	
	1210-20	Lockwasher	8	
7	81442	Main Pump	1	See Page 4.18
8	1200-98	Capscrew	4	
	1210-27	Lockwasher	4	
	1209-6	Flatwasher	4	
9	160672	Bushing, Motor Mount	4	
10	160673	Washer	4	
11	160674	Washer	4	
12	1200-156	Capscrew	4	
	1209-8	Flatwasher	8	
	1205-90	Locknut	4	
13	212071	Pipe, Exhaust Stack	1	
14	16230	Clamp	2	
15	160668	Muffler	1	
16	160669	Tube, Exhaust	1	
17	180091-5.41	Hose, Washer	1	
18	180091-2.08	Hose, Washer	1	
19	12148-20	Gasket, Foam	4	
20	212037	Baffle Plate Ass'y	1	
21	212058	Baffle Spacer	2	
22	1200-29	Capscrew	2	
	1205-34	Locknut	2	
23	1200-45	Capscrew	4	
	1205-45	Locknut	4	
24	212052	Bracket, Support	1	
25	1200-7	Capscrew	2	
	1205-21	Locknut	2	
26	212039	Cover, Alternator	1	
27	1200-59	Capscrew	2	
	1205-45	Locknut	2	
28	1200-1	Capscrew	3	
	1205-21	Locknut	3	
29		Switch, Water Temperature	1	See Page 4.7
30		Switch, Oil Pressure	1	See Page 4.7
31	160670	Solenoid, Governor	2	
32	212099	Control Panel	1	See Page 4.13
33	1205-45	Locknut	2	
	1209-4	Flatwasher	2	

AIR CLEANER



Ref.	Part No.	Description	Qty	Remarks
1		Hose	Ref.	Part of Engine
2	206F4704	Tube	1	
3	65435	Clamp	2	
4	1243-68	Elbow	1	
5	160083	Hood, Air Cleaner	1	
6	65412	Band, Mounting	2	
7	1205-45	Locknut	4	
8	160082	Air Cleaner	1	Incl. Items 9 thru 15
9	1243-75	Element	1	
10	69828	Decal	1	
11	69829	Gasket, Washer	1	
12	69830	Screw, Thumb	1	
13	69831	Clamp Ass'y	1	
14	69832	Baffle Ass'y	1	
15	69833	Cup Ass'y	1	

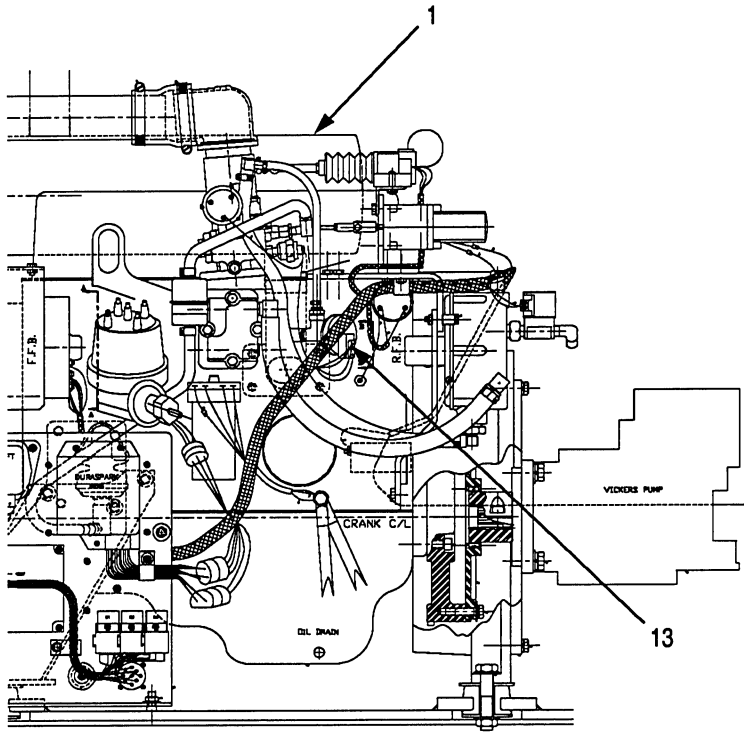
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED



Ref.	Part No.	Description	Qty	Remarks
	212089	Fuel Tank Assembly	1	Incl. Items 1 thru 9
1	211929	Tank, Fuel	1	40 Gal.
2	69763	Cap	1	
3	69764	Sender, Fuel	1	
4	69765	Tube	1	
5	1200-61	Capscrew	4	
6	1209-89	Flatwasher	4	
7	1240-100	Clamp	2	
8	212090	Tube	1	
9	1260091-.63	Hose	1	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

ENGINE - LP / GAS



The parts listed below are applicable to the LP/Gas engine only. Refer to the Gas engine for all other parts.

Ref.	Part No.	Description	Qty	Remarks
	212081	Engine Assembly	Ref.	Incl. Items 1 thru 13 and 1thru 33 Page 4.9
1	160679	Engine, LP/Gas	1	See Ford for Parts & Service
2	160670	Governor, Controller Kit	1	
3	1200-3	Capscrew	2	
	1205-21	Locknut	2	
4	62014	Capscrew	2	
5	160671	Lever, Spring Loaded	1	
6	212053	Bracket, Choke Mounting	1	
7	1200-1	Capscrew	2	
	1205-21	Locknut	2	
8	1233-2	Screw	2	
	1210-7	Lockwasher	2	
	1205-6	Nut	2	
9	61913	Capscrew	1	
	61243	Locknut	1	

ENGINE CONTROL

Model TA64

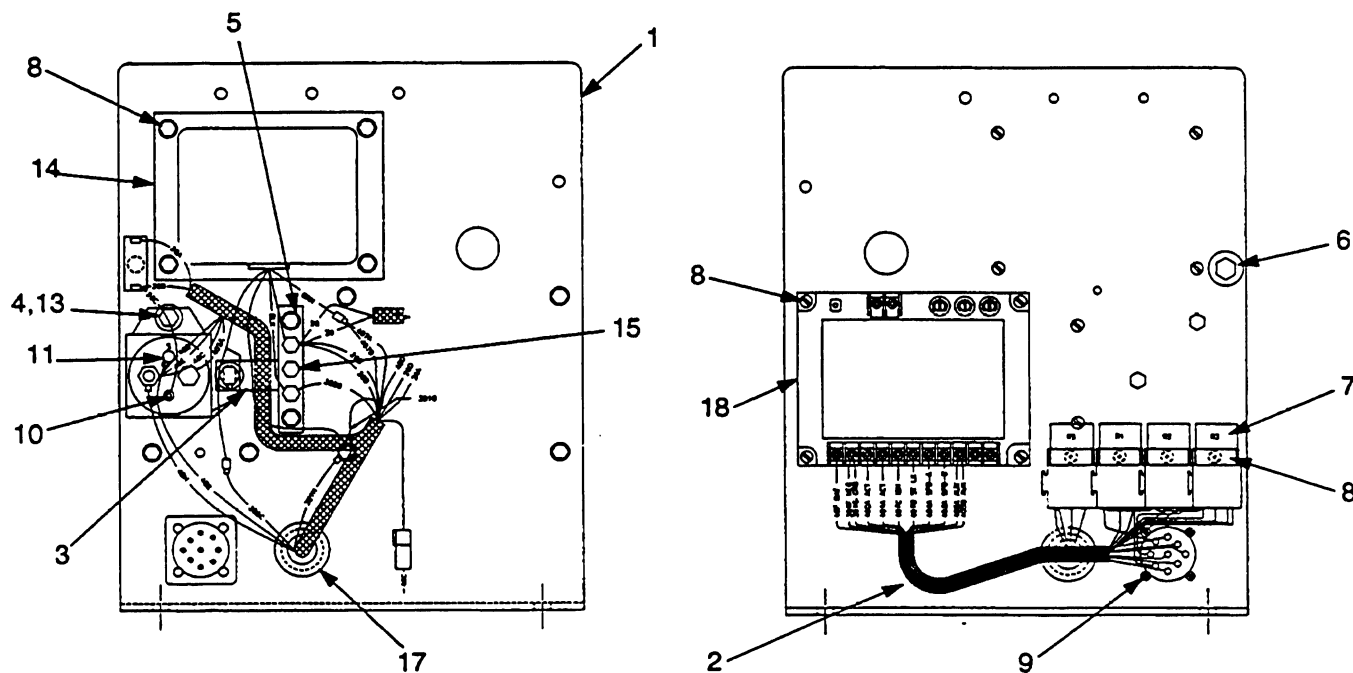
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TEREX AERIALS

PANEL (FORD ENGINE)

Issued 1-98

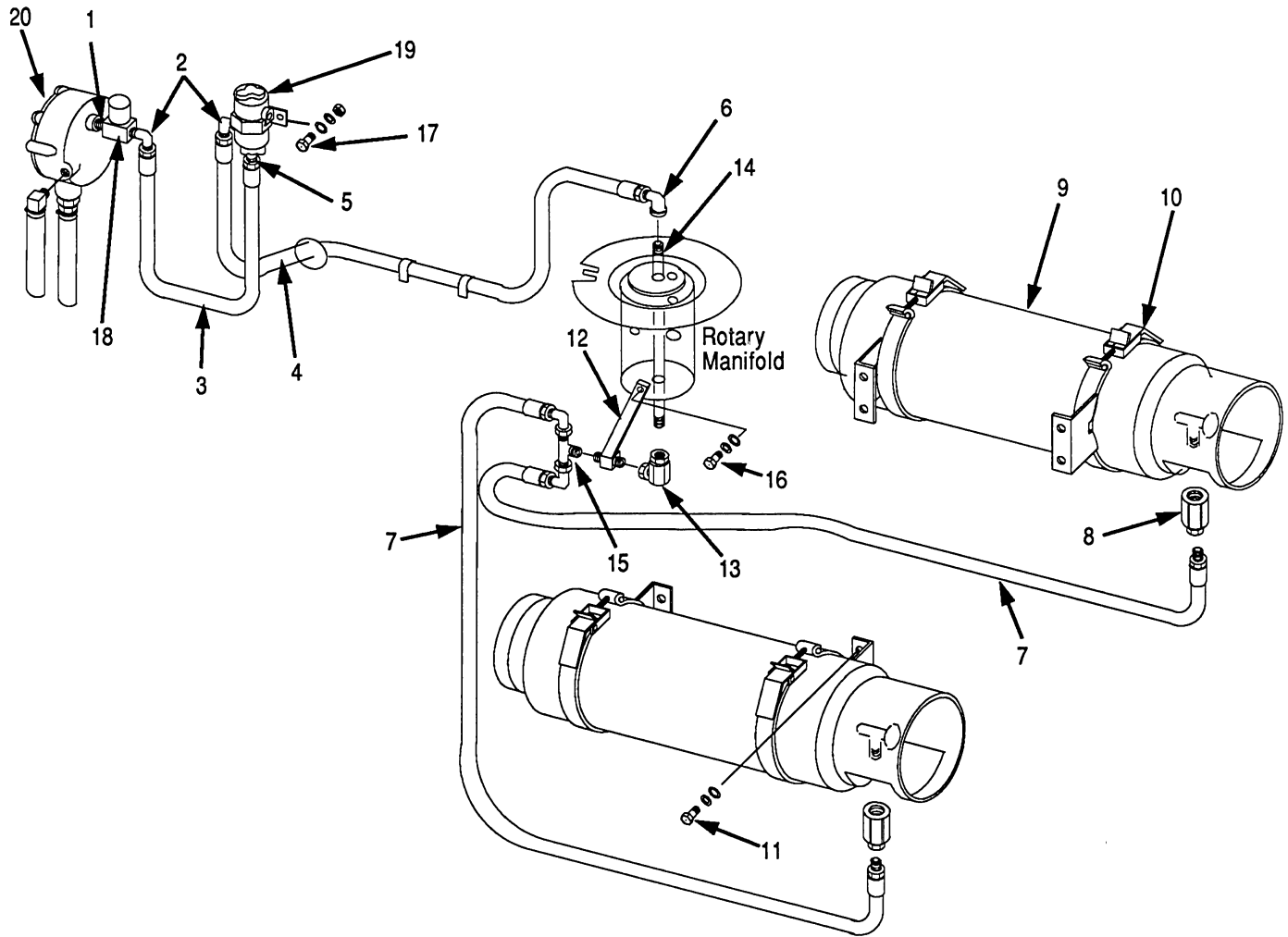
4.13
Page



Ref.	Part No.	Description	Qty	Remarks
1	212631	Engine Control Panel Ass'y	1	
	212028	Plate	1	
2	212632	Harness, Control Panel	1	
3	200B2007-4	Clamp	1	
4	1200-1	Capscrew	1	
	1205-13	Nut	1	
	1210-14	Lockwasher	1	
5	117-C	Eyelet	2	
6	441 4026	Circuit Breaker (20A)	1	
	442 2399	Boot	1	
7	441 6828	Relay	3	
8	1202-6	Machine Screw	13	
	1210-7	Lockwasher	13	
	1205-5	Nut	13	
9	1233-22	Machine Screw	4	
	1230-11	Keps Nut	4	
10	1205-3	Nut	1	
11	1205-6	Nut	1	
13	1209-2	Flatwasher	3	
14	70923	Starter Lockout	1	
15	7099	Block, Terminal	1	
17	1221-13	Grommet	2	
18	70919	Governor Control	1	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

LP FUEL SYSTEM



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

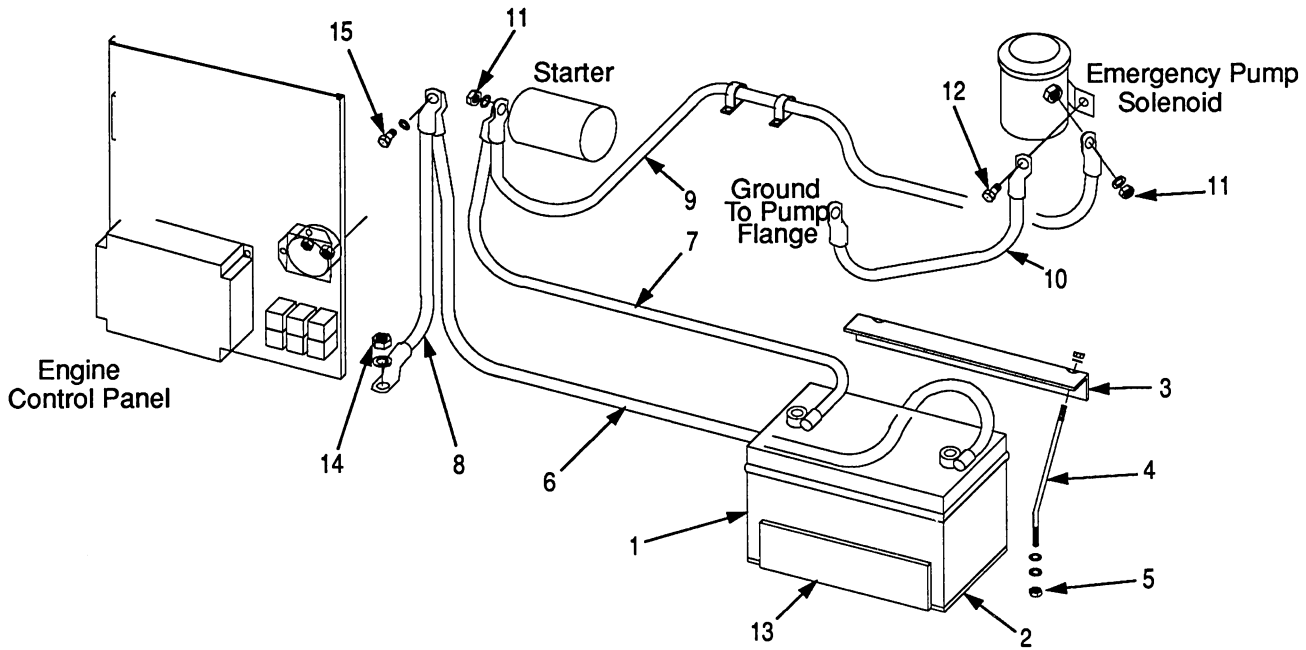
LP FUEL SYSTEM

Model TA64

Issued 1-98

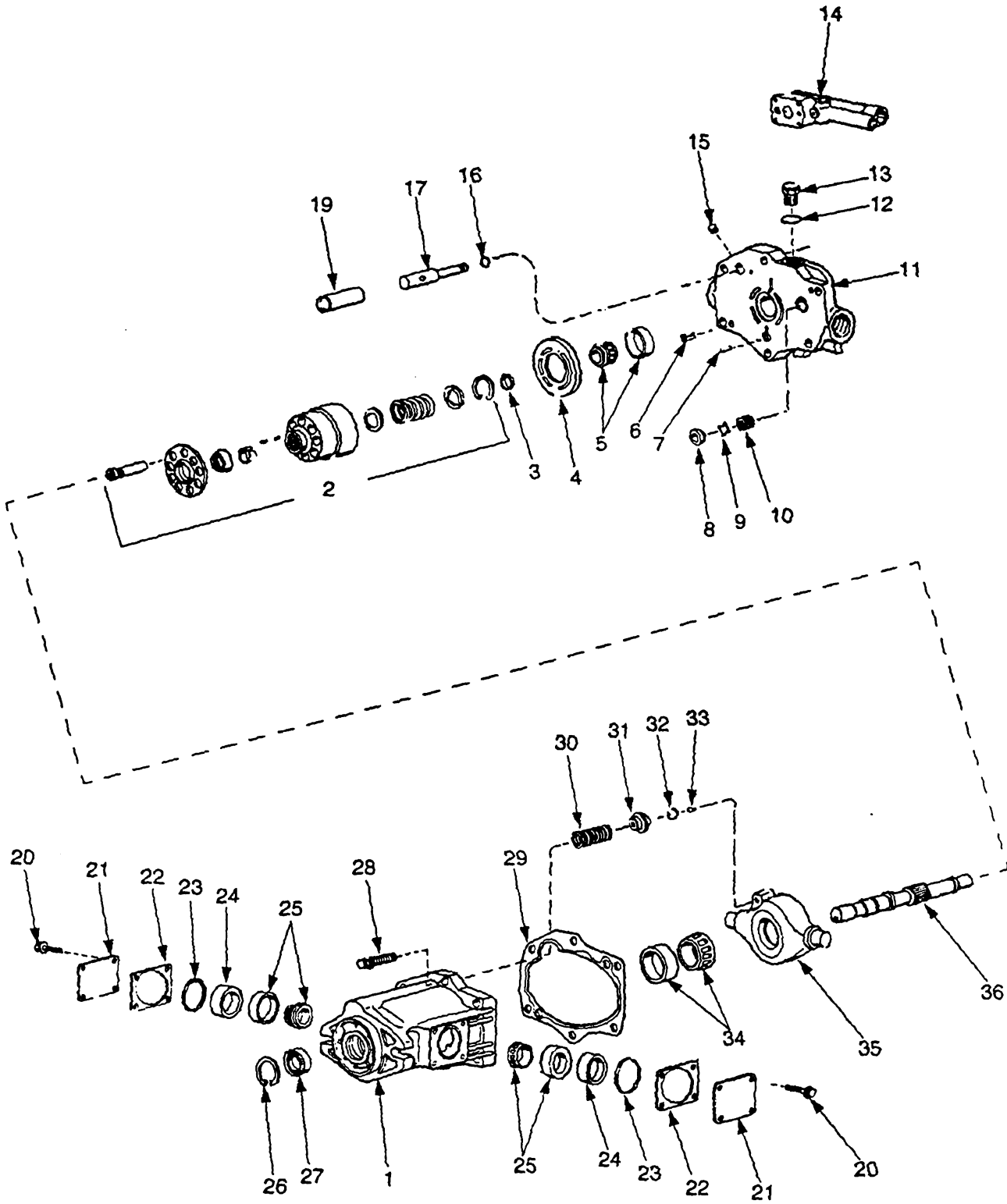
Ref.	Part No.	Description	Qty	Remarks
	212158	LP Fuel System	1	Incl. Items 1 thru 17
1	1219-512	Nipple	1	
2	1219-351	Elbow	2	
3	212156-32	Hose	1	
4	212156-44	Hose	1	
5	1219-559	Adapter	1	
6	16506	Elbow, Female	1	
7	212157-38	Hose	2	
8	65141	Socket, Female	2	
9	65937	Tank, Propane	2	
10	65463	Bracket, Mounting	2	
11	1200-95	Capscrew	8	
	1210-26	Lockwasher	8	
	1209-6	Flatwasher	8	
12	21896	Bracket, LPG Swivel	1	
13	20815	Swivel, LPG	1	
14	65391	Nipple	1	
15	80029-07	Tee	1	
16	1200-335	Capscrew	2	
	1210-20	Lockwasher	2	
	1209-4	Flatwasher	2	
17	1200-1	Capscrew	2	
	1209-2	Flatwasher	2	
	1210-14	Lockwasher	2	
	1205-13	Nut, 1/4C	2	
18	69771	Filter, Fuel	1	
	69772	Element, Filter	1	
19	69773	Solenoid Valve, Fuel Shut-Off	1	
20	69774	Pressure Regulator	1	
	69775	Kit, Repair	1	

BATTERY ASSEMBLY



Ref.	Part No.	Description	Qty	Remarks
	212066	Battery Installation	1	Incl. Items 1 thru 15
1	1223-824	Battery	1	
2	706 8846	Plate, Masonite, Battery Isolation	1	
3	708 2203	Hold Down, Battery	1	
4	707 4375	Rod, Battery Hold-Down	2	
5	1205-34	Locknut	4	
	1209-3	Flatwasher	4	
6	70798	Cable, Battery (+)	1	
7	70797	Cable, Battery (-)	1	
8	70799	Cable, Engine Ground	1	
9	70800	Cable, Starter	1	
10	70851	Cable, Emergency Pump	1	
11	1205-199	NutBrass	2	
	1210-17	Lockwasher	2	
12	1200-309	Capscrew	1	
13	212210	Plate, Masonite	1	
14	1205-170	NutBrass	1	
	1210-77	Washer	1	
	1210-20	Lockwasher	1	
15	1200-57	Capscrew	1	
	1210-20	Lockwasher	1	

MAIN PUMP

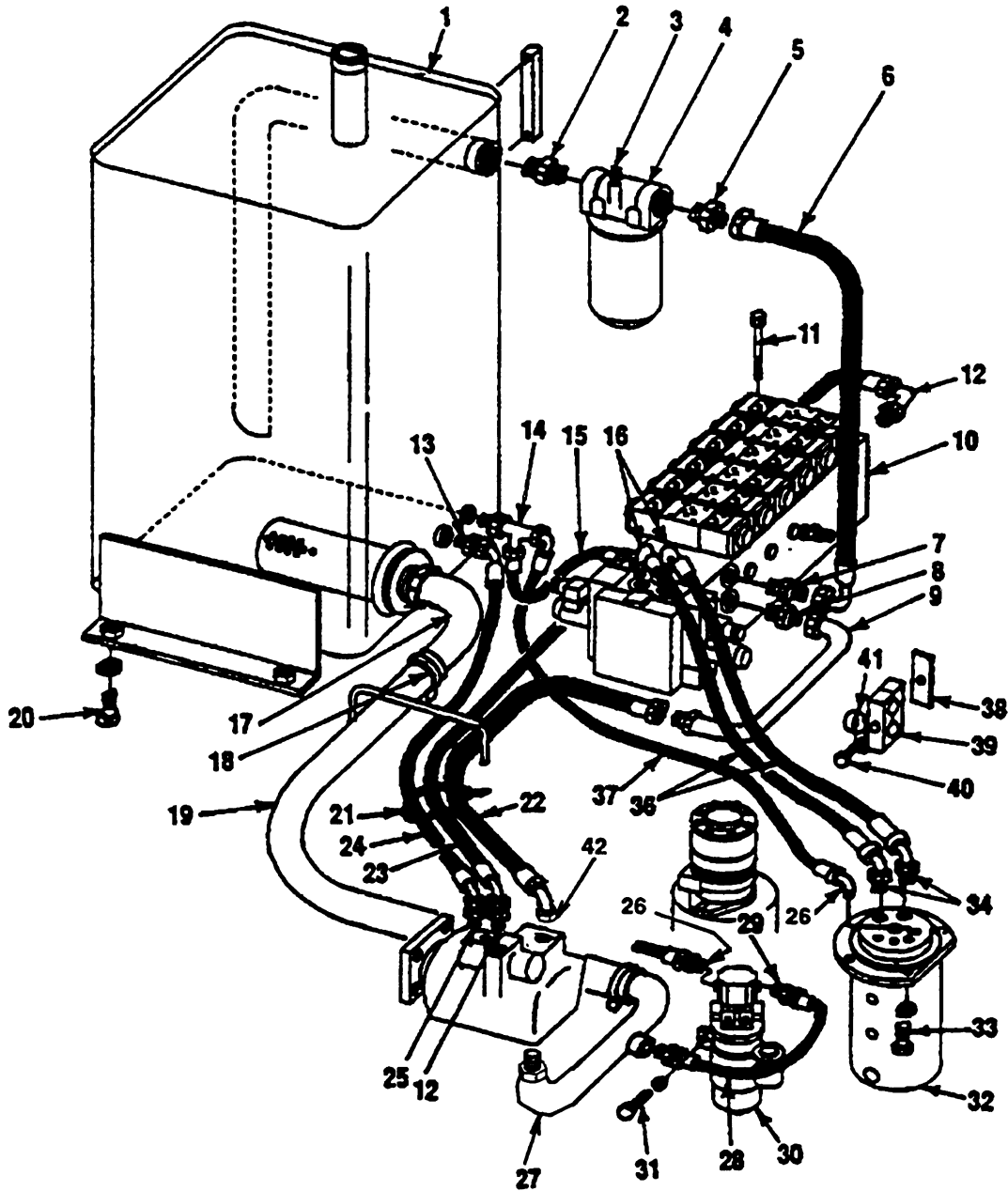


WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

MAIN PUMP

Ref.	Part No.	Description	Qty	Remarks
	81525	Pump, Complete	1	Incl. Items 1 thru 36
	600772	Kit, Seal	1	Incl. Items marked *
1	N.S.S	Housing	1	
2	600773	Kit, Rotating Group	2	
3	600774	Spacer	1	
4	600775	Waffer Plate	1	
5	600776	Bearing	1	
6	600777	Pin	1	
7	600778	Pin	2	
8	600779	Seat	2	
9	600780	Valve	2	
10	600781	Spring	2	
11	N.S.S.	Cover	8	
12	*	O-Ring	1	
13	600782	Plug	1	
14	600654	Compensator	1	See page 4.40
15	600783	Plug	1	
16	*	O-Ring	2	
17	600784	Rod	2	
18	600785	Spacer	1	
19	600786	Piston	1	
20	600787	Screw	8	
21	600788	Cover	2	
22	600789	Shim Kit	2	
23	*	O-Ring	2	
24	600790	Spacer	2	
25	600791	Bearing	2	
26	600792	Retaining Ring	1	
27	*	Seal	1	
28	600793	Screw	6	See Kit Above
29	*	Gasket	1	
30	600794	Spring	1	
31	600795	Seat	1	
32	600796	Seat	1	
33	600797	Roll Pin	1	
34	600798	Bearing	1	
35	600799	Yoke	1	
36	600800	Shaft	1	

TURRET HYDRAULICS



Ref.	Part No.	Description	Qty	Remarks
	212043	Turret Hydraulic Ass'y	1	Incl. Items Pages 4.22-4.25
1	212012	Hydraulic Tank	1	See Page 4.24
2	363 0205	Adapter	1	
3	81448	Filter	1	See Page 4.24
4	430 3022	Drain Cock	1	
5	12019-153	Adapter	1	
6	709 5097-39	Hose	1	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

TEREX AERIALS TURRET HYDRAULICS

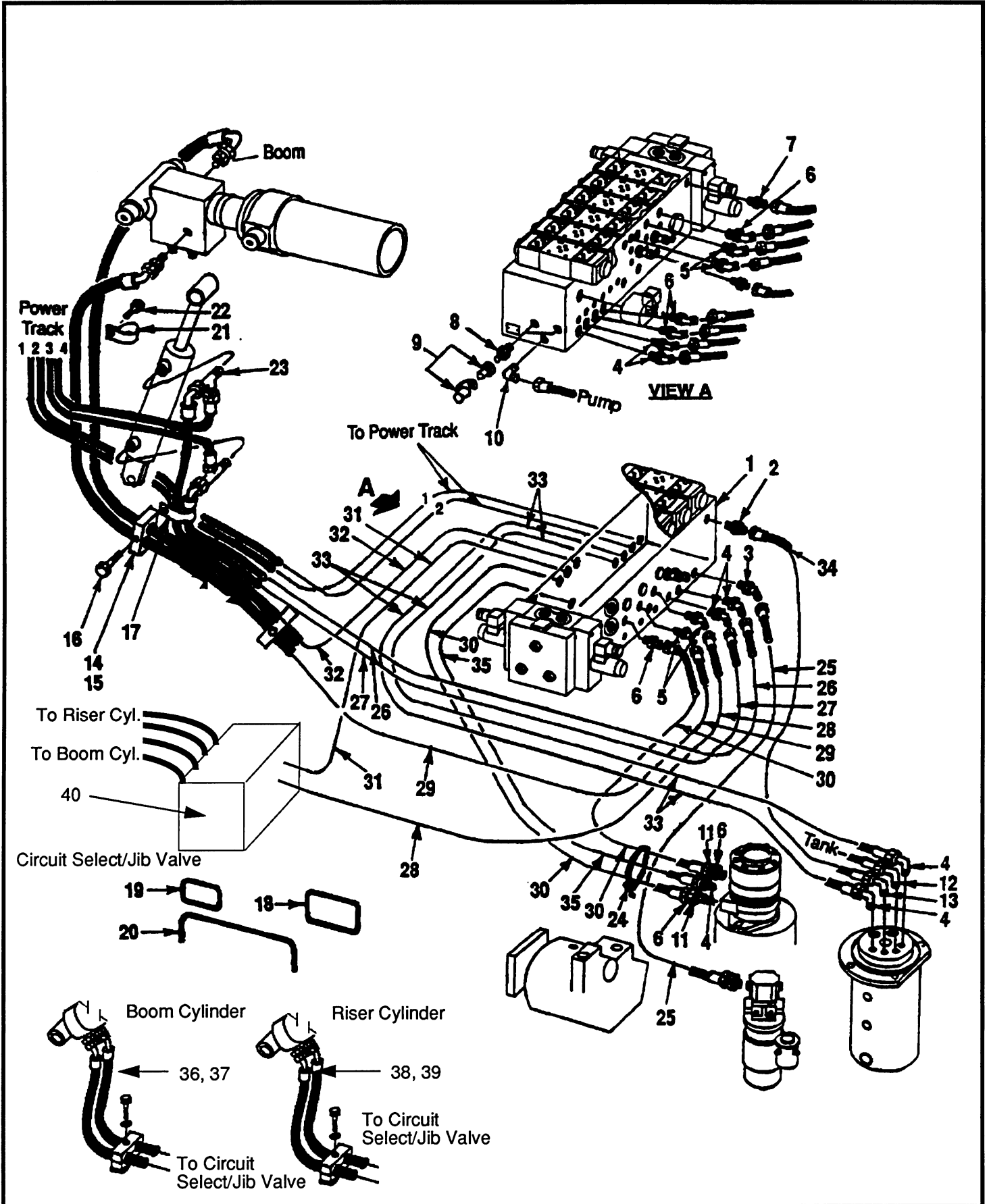
Model TA64

Issued 1-98

Ref.	Part No.	Description	Qty	Remarks
7	1219-386	Adapter	1	See Page 4.28
8	1219-282	Adapter	1	
9	707 4525	Tube	1	
10	81443	Main Valve	1	
11	316 2346	Capscrew	4	
	1209-89	Flatwasher	4	
	1205-194	Locknut	4	
12	1219-776	Adapter	2	
13	12019-447	Adapter	7	
14	1219-693	Tee	1	
15	212097-15	Hose	1	
16	1219-389	Adapter	2	
17	363 0403	Beaded Insert	1	
18	378 0301	Clamp	2	
19	12368-51	Hose	1	
20	1200-100	Capscrew	4	
	1209-6	Flatwasher	4	
21	1222-202	Tie, Plastic	7	
22	212094-75	Hose	1	
23	212094-95	Hose	1	
24	212095-64	Hose	1	
25	1219-441	Adapter	1	
26	1219-665	Split Flange Clamp Half	2	
	460 4112	O-Ring	2	
	1200-61	Capscrew	4	
	1210-20	Lockwasher	4	
27	212065	Tube	1	
	460 4115	Seal	1	
	1200-100	Capscrew	4	
	1210-26	Lockwasher	4	
28	212096-16	Hose	1	
29	1219-795	Adapter	2	
30	20384	Pump, Emergency	1	See Page 4.25
31	1200-59	Capscrew	2	See Page 4.34
	1209-46	Flatwasher	2	
	1209-89	Flatwasher	2	
32	24132	Rotary Manifold	1	
33	1200-33	Capscrew	4	
	1209-46	Flatwasher	4	
34	1219-663	Adapter	2	
35	12019-248	Adapter	1	
36	212062-42	Hose	2	
37	212097-59	Hose	1	
38	1240-155	Plate, Cover	1	
39	365 0215	Clamp Half	2	
40	200B2007-11	Clamp	1	
41	1200-51	Capscrew	1	
	1209-24	Flatwasher	1	
	340 2113	Locknut	1	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

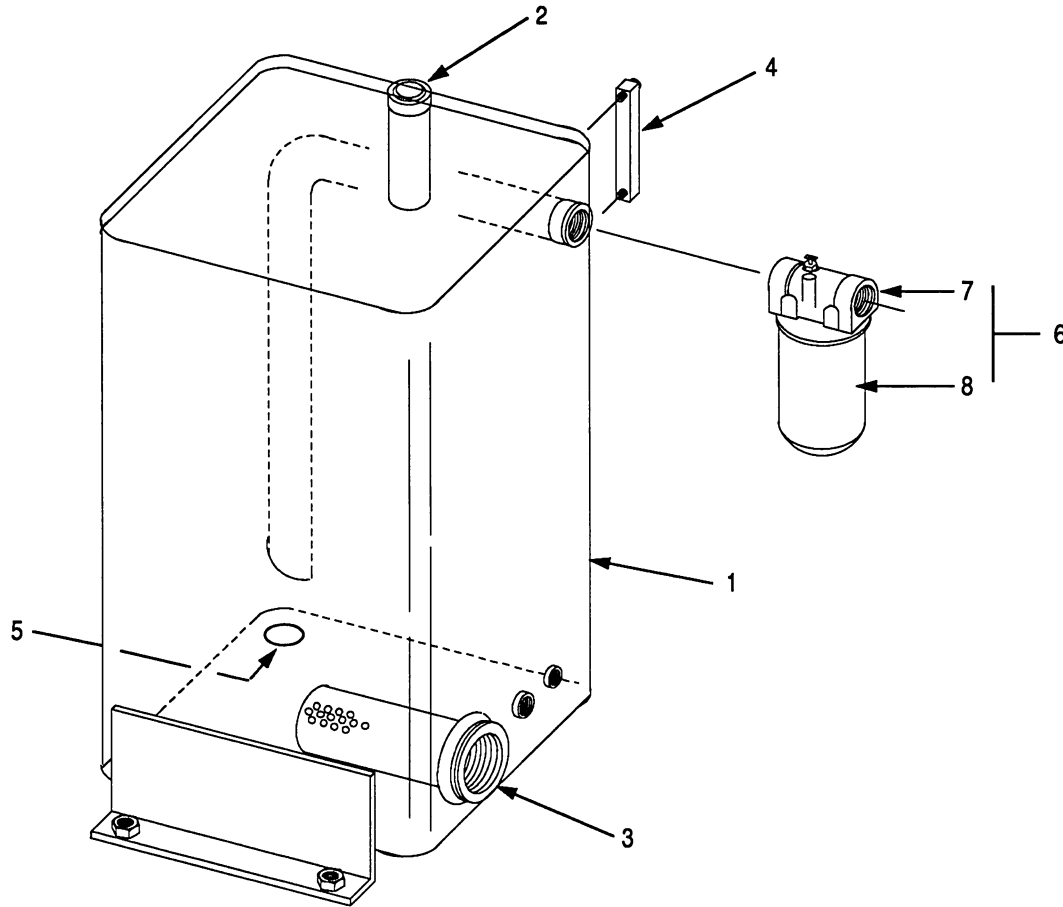
UPPER HYDRAULICS



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

Ref.	Part No.	Description	Qty	Remarks	
1	81575	Valve	1	See Page 4.32	
2	1219-959	Adapter	2		
3	1219-982	Adapter	1		
4	80018-03	Adapter	7		
5	12019-447	Adapter	7		
6	12019-205	Adapter	6		
7	1219-605	Adapter	1		
8	375 5201	Adapter	2		
9	12019-557	Coupling	2		
	12019-558	Cap, Dust	2		
10	1219-776	Adapter	2		
11	375 0701	Adapter	2		
12	12019-248	Adapter	1		
13	362 1255	Adapter	1		
14	1240-213	Clamp, Half	6		
15	1240-154	Plate, Cover	3		
16	1200-39	Capscrew	3		
17	200B2007-9	Clamp	2		
18	12169-25	Trimloc, 3/8 x 25"	1		
19	12169-17	Trimloc, 3/8" x 17"	1		
20	12182-20	Trimloc, 1/4" x 20"	2		
21	200B2007-15	Clamp	1		
22	1205-194	Locknut, 3/8C	1		
	1209-4	Flatwasher, 3/8	1		
23	12019-427	Tee	2		
24	1222-184	Tie, Plastic	3		
25	212094-92	Hose	1		
26	212059-87	Hose	1		
27	212059-104	Hose	1		
28	212092-76	Hose	1		
29	212093-112	Hose	1		
30	212059-36	Hose	2		
31	212093-93	Hose	1		
32	212092-50	Hose	1		
33	212060-66	Hose	2		
34	212059-57	Hose	1		
35	212059-38	Hose	1		
36	212092-273	Hose	1		Boom Extend
37	212092-265	Hose	1		Boom Retract
38	81577-55	Hose	1		Riser Extend
39	81577-49.5	Hose	1	Riser Retract	
40	81566	Valve, Circuit Selection	1		

HYDRAULIC RESERVOIR & FILTER



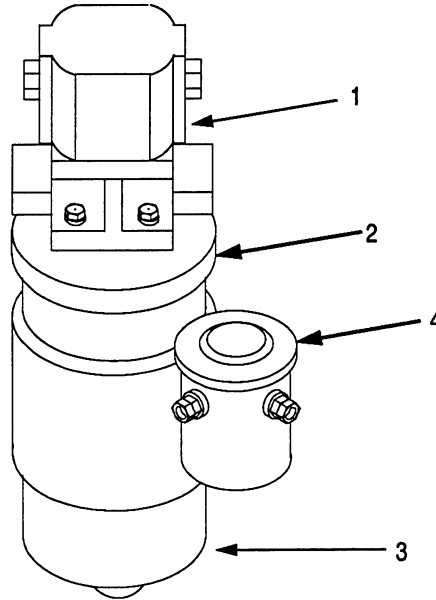
Ref.	Part No.	Description	Qty	Remarks
1	212012	Hydraulic Tank, Complete	1	Incl. Items 2 thru 5
2	69766	Cap, Fill/Breather	1	
3	69767	Strainer, Suction	1	
4	69768	Gauge, Sight	1	
5	69769	Magnetic Plug w/O-Ring	1	
	69770	O-Ring	1	
6	81448	Filter, Complete	1	Incl. Items 7 & 8
7	69620	Head	1	
8	69621	Cartridge, Spin-On	1	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

EMERGENCY PUMP / MOTOR

Model TA64

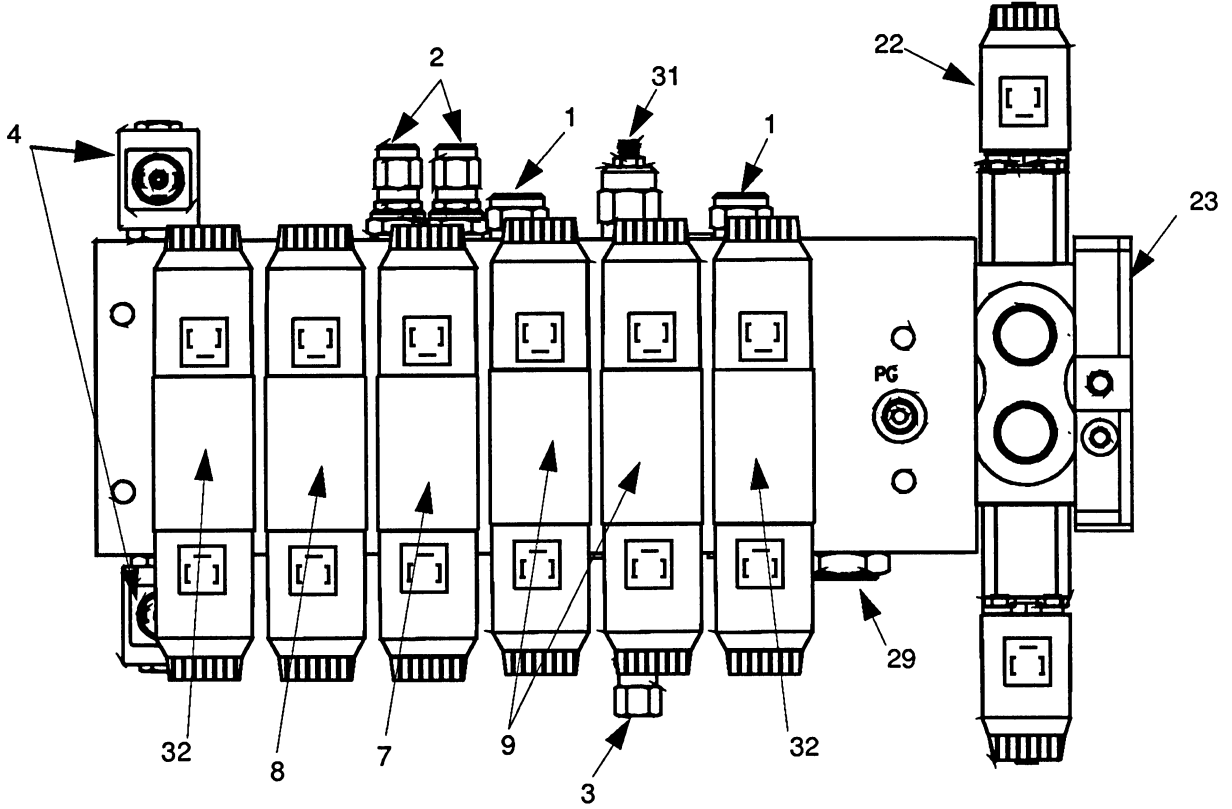
Issued 1-98



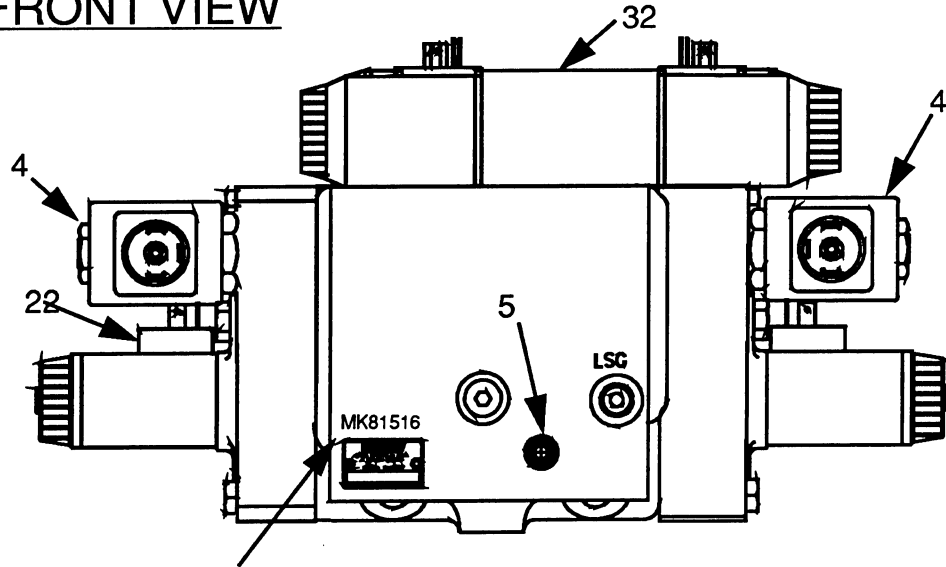
Ref.	Part No.	Description	Qty	Remarks
	81505	Emergency Pump / Motor Complete	1	Incl. Items 1 Thru 3
1	69045	Pump	1	
2	68129	Plate, Adapter	1	
3	66780	Motor	1	
4	68510	Relay	1	

MAIN VALVE

TOP VIEW



FRONT VIEW



PART NUMBER AND REVISION LEVEL

MAIN VALVE

Model TA64

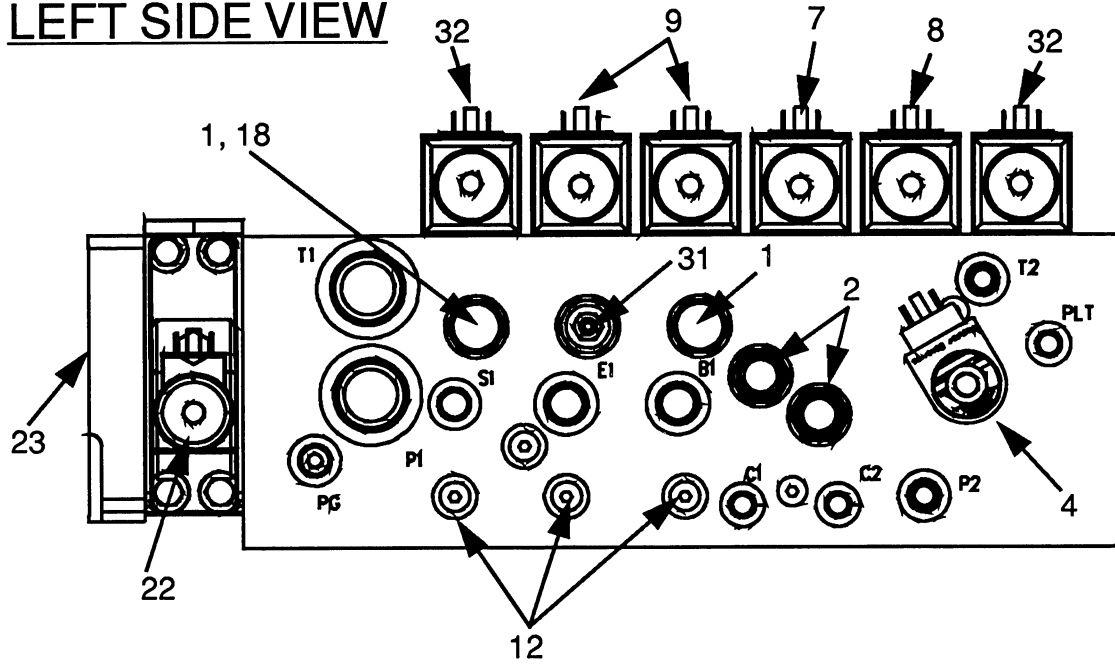
Issued 1-98

Ref.	Part No.	Description	Qty	Remarks
	81575	Main Valve, Complete	1	Incl. Items 1 thru 32
1	69556	Valve, Differential Pressure Sensing	3	
2	600823	Valve, Counterballance	2	
3	600824	Valve, Relief	2	
4	69559	Valve, Solenoid	1	
5	69560	Plug, Orifice, .020	1	
6	69561	Valve, Check	1	
7	600825	Valve, Solenoid	2	
8	600826	Valve, Solenoid	1	
9	600827	Valve, Solenoid	3	
	69565	Coil only - For Items 7,8,9, 32	AR	
10	600828	Manifold	1	
11	69567	Plug, Orifice, .031	3	
12	69568	Check, Sensing	15	
13		Plug, Expander	3	
14		Plug, Expander	52	
15		Plug, Expander	1	
16		Plug	11	SAE -6
17		Plug	10	SAE -8
18		Orifics Disc	1	SAE -10
19		Rivet	2	
20		Nameplate	1	
21	69572	Kit, Bolt	6	
22	600829	Valve, Solenoid	1	
23		Cover	1	
24		Capscrew	3	
25		O-Ring	2	
26		O-Ring	5	
27		Lockwashert	3	
29	600833	Shuttle Valve	1	
30		Plug	4	
31	600834	Diff. Pressure Sensing Valve	1	
32	600835	Valve, Solenoid		

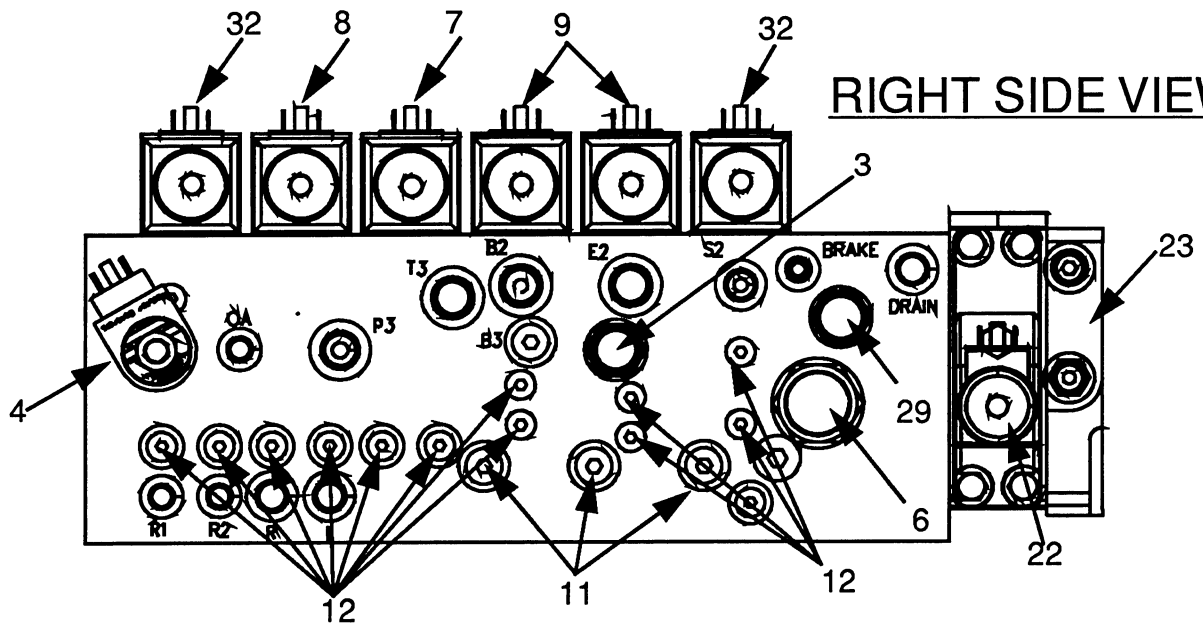
MAIN VALVE



LEFT SIDE VIEW



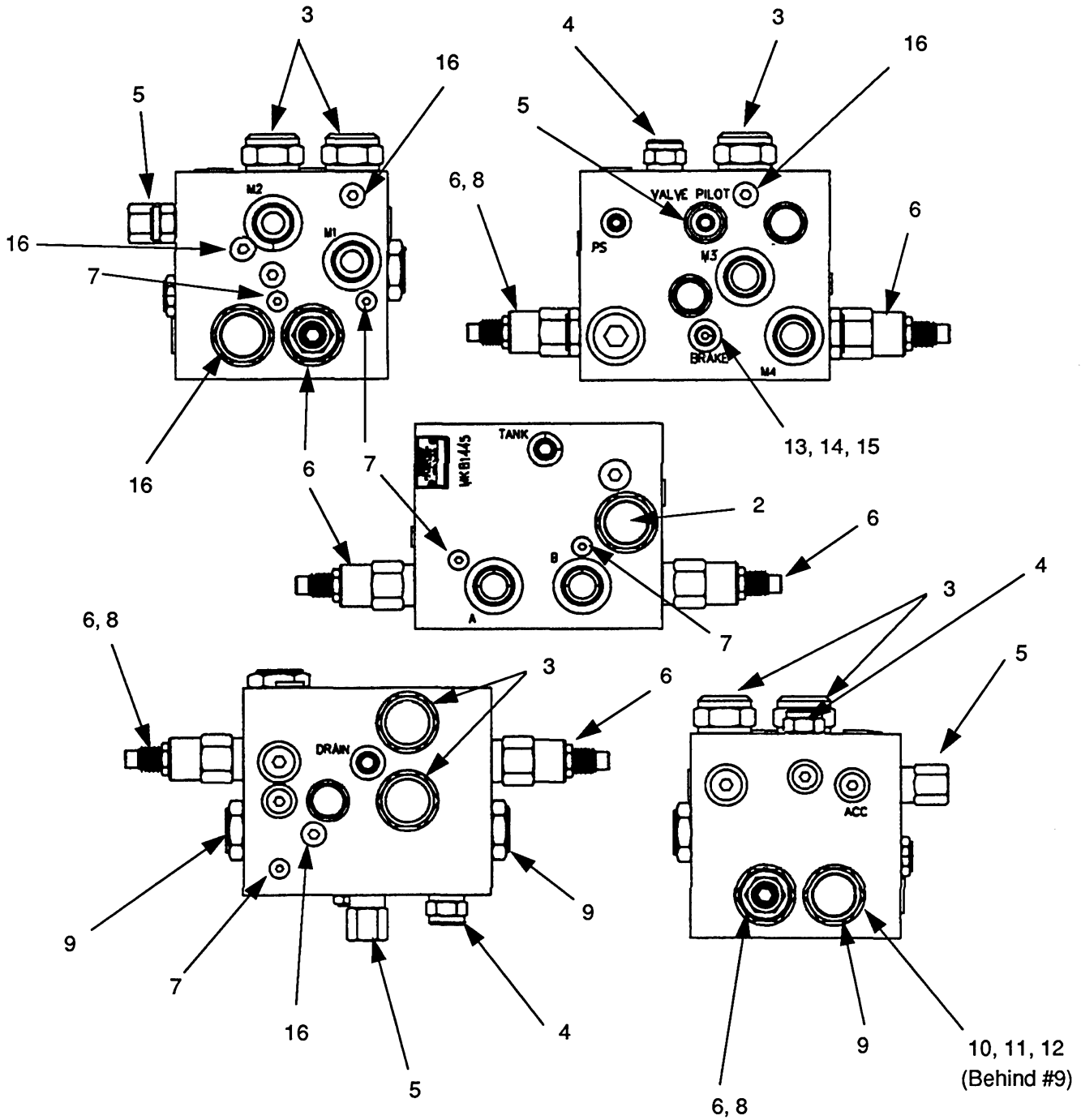
RIGHT SIDE VIEW



MAIN VALVE

Ref.	Part No.	Description	Qty	Remarks
	81575	Main Valve, Complete	1	Incl. Items 1 thru 32
1	69556	Valve, Differential Pressure Sensing	3	
2	600823	Valve, Counterballance	2	
3	600824	Valve, Relief	2	
4	69559	Valve, Solenoid	1	
5	69560	Plug, Orifice, .020	1	
6	69561	Valve, Check	1	
7	600825	Valve, Solenoid	2	
8	600826	Valve, Solenoid	1	
9	600827	Valve, Solenoid	3	
	69565	Coil only - For Items 7,8,9, 32	AR	
10	600828	Manifold	1	
11	69567	Plug, Orifice, .031	3	
12	69568	Check, Sensing	15	
13		Plug, Expander	3	
14		Plug, Expander	52	
15		Plug, Expander	1	
16		Plug	11	SAE -6
17		Plug	10	SAE -8
18		Orifics Disc	1	SAE -10
19		Rivet	2	
20		Nameplate	1	
21	69572	Kit, Bolt	6	
22	600829	Valve, Solenoid	1	
23		Cover	1	
24		Capscrew	3	
25		O-Ring	2	
26		O-Ring	5	
27		Lockwashert	3	
29	600833	Shuttle Valve	1	
30		Plug	4	
31	600834	Diff. Pressure Sensing Valve	1	
32	600835	Valve, Solenoid		

FUNCTION VALVE (2-WHEEL DRIVE)



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

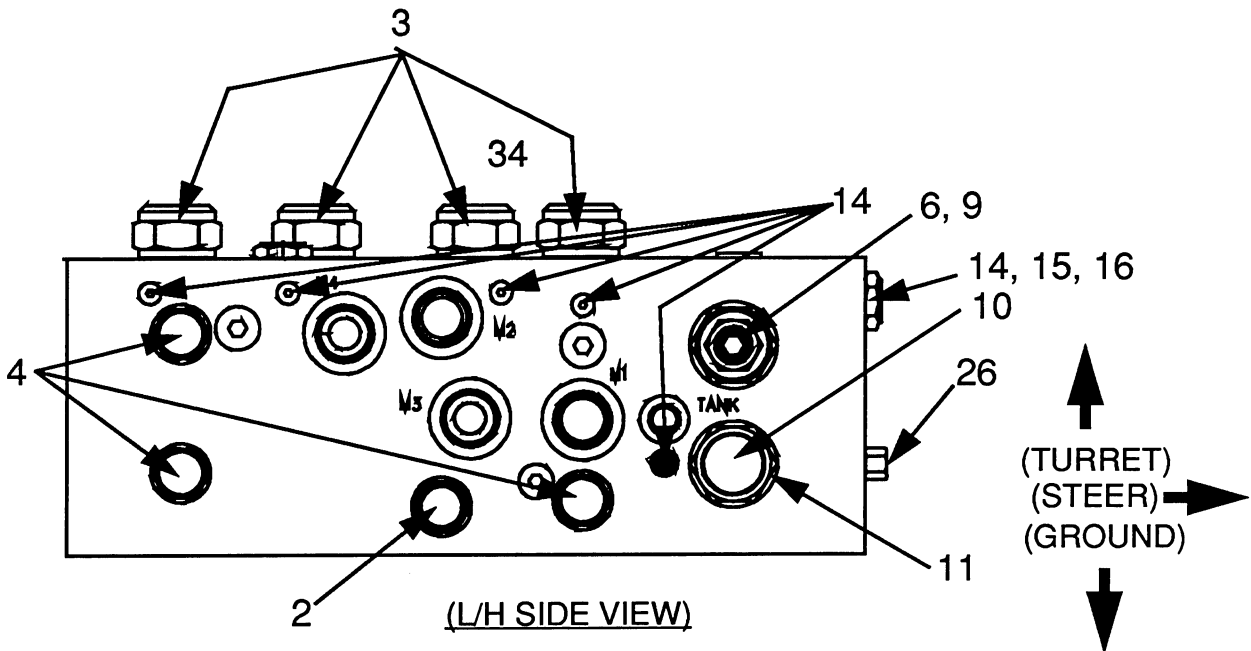
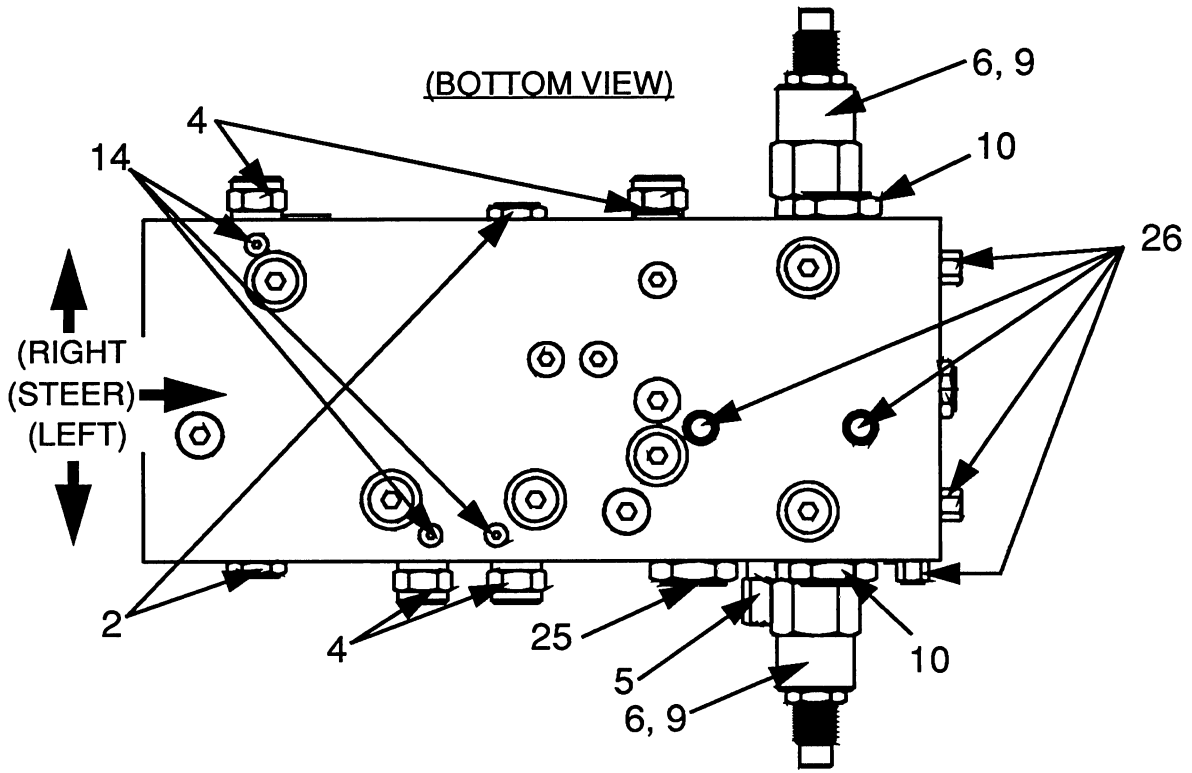
**FUNCTION VALVE
(2-WHEEL DRIVE)**

Model TA64

Issued 1-98

Ref.	Part No.	Description	Qty	Remarks
	81445	Propel Valve, Complete	1	Incl. Items 1 thru 16
1	69585	Manifold	1	
2	69579	Flow Divider/Combiner Valve	1	
3	69580	Differential Pressure Sensing Valve	2	
4	69581	Differential Pressure Sensing Valve	2	
5	69587	Pilot Operated Directional Valve	1	
6	69582	Relief Valve	2	
7	69594	Check Valve	1	
8	69586	Pilot Piston	1	
9	69561	Check Valve	2	
10	69588	Ball	1	
11	69589	Seat	1	
12	69590	O-Ring	1	
13	69591	Orifice Disc	1	
14	69592	Spring	1	
15	69593	Setscrew	1	
16	69567	Orifice Plug, .031	4	

FUNCTION VALVE (4-WHEEL DRIVE)



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

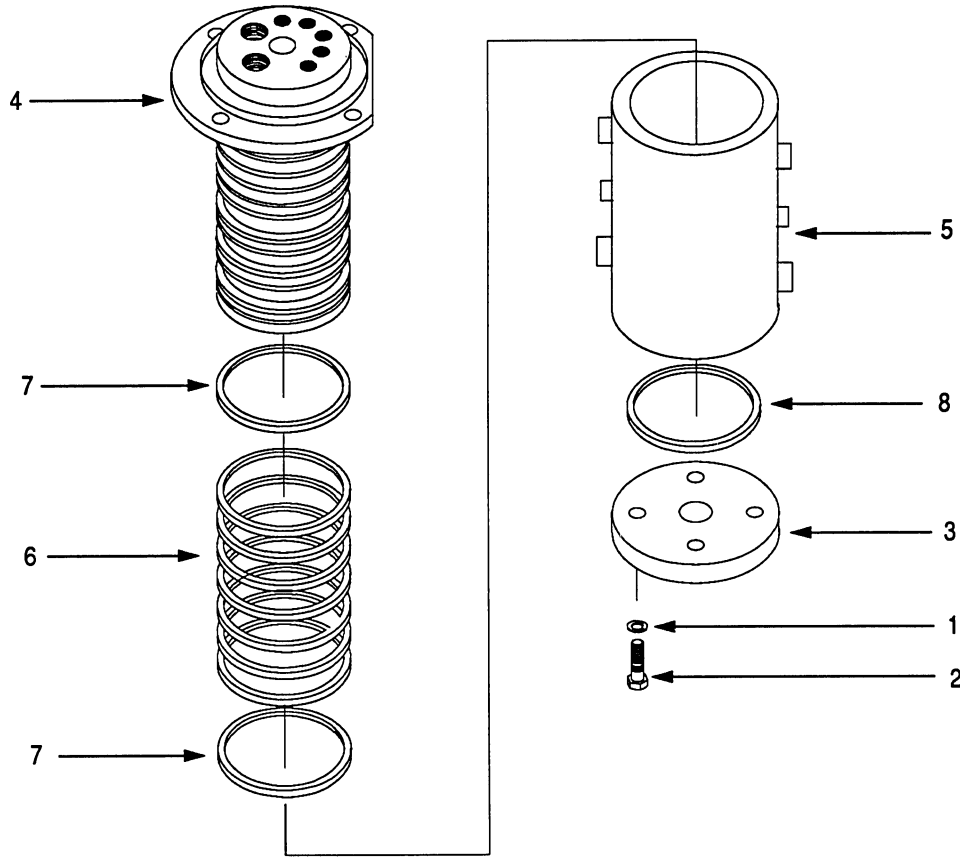
**FUNCTION VALVE
(4-WHEEL DRIVE)**

Model TA64

Issued 1-98

Ref.	Part No.	Description	Qty	Remarks
	81446	Propel Valve, Complete	1	Incl. Items 1 thru 24
1	600635	Manifold	1	
2	600633	Flow Divider/Combiner Valve	2	
3	69580	Differential Pressure Sensing Valve	4	
4	69581	Differential Pressure Sensing Valve	7	
5	69587	Pilot Operated Directional Valve	1	
6	69582	Relief Valve	1	
8	69582	Relief Valve	2	
9	600636	Pilot Piston	1	
10	69561	Check Valve	2	
11	69588	Ball	1	
12	69589	Seat	1	
13	69590	O-Ring	1	
14	69591	Orifice Disc	1	
15	69592	Spring	1	
16	69593	Setscrew	1	
18		Plug, SAE-6	8	
19		Plug, SAE-8	18	
20		Plug, SAE-10	1	
22	69570	Plug, Expander	36	
23		Nameplate	1	
24		Rivet	2	
25	600634	Flow Divider/Combiner Valve	1	

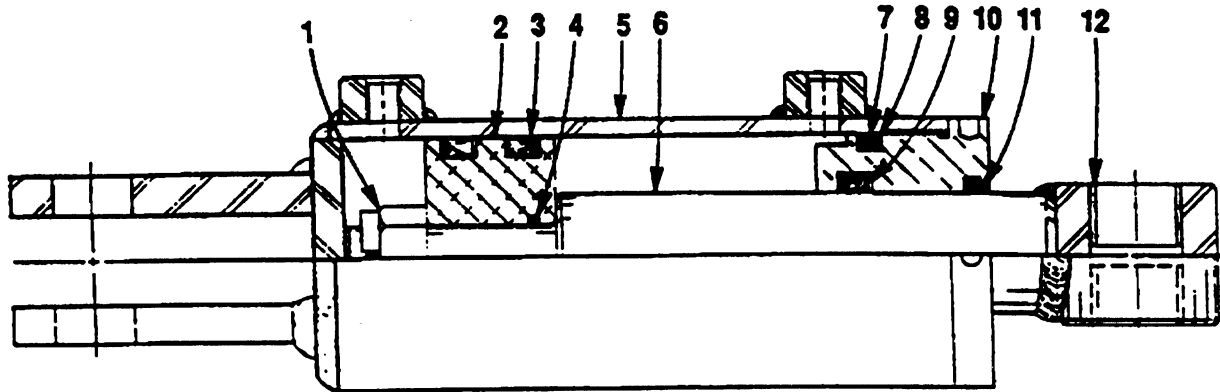
ROTARY MANIFOLD



Ref.	Part No.	Description	Qty	Remarks
	81571	Rotary Manifold, Complete	1	Incl. Items 1 thru 11
	600997	Kit, Seal	1	Incl. Items 6,7
1		Lockwasher	4	
2		Capscrew	4	
3		Retainer, Spool	1	
4		Spool	1	
5		Housing	1	
6	**	Seal	8	
7	**	Seal	2	
8		Thrust Washer	1	

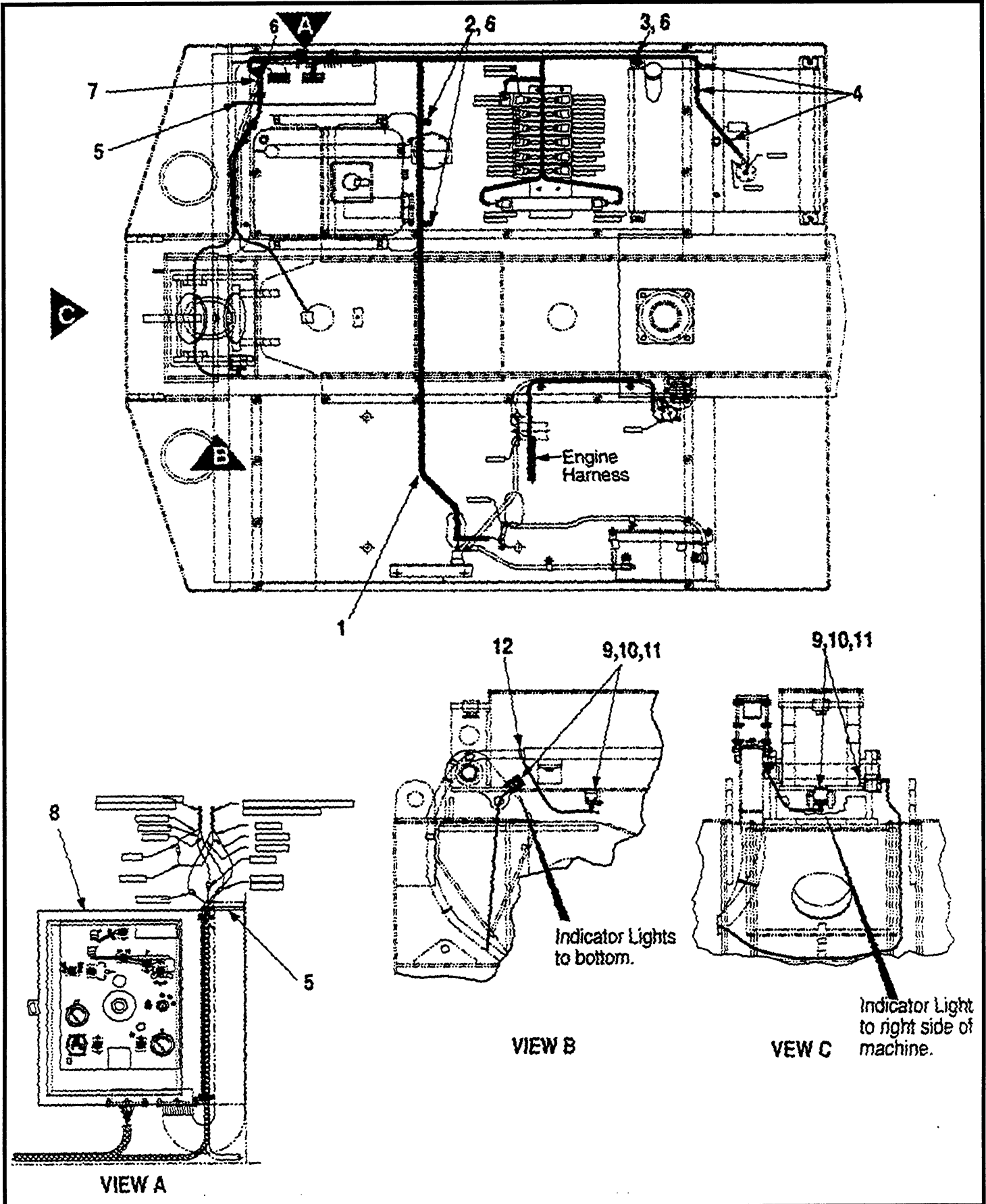
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

(STEERING CYLINDER)



Ref.	Part No.	Description	Qty	Remarks
	211758	Cylinder, Steering & Master Leveling (Best Metal Products)	2	Incl. Items 1 thru 12
	69652	Kit, Seal	1	Incl. Items w/Asterisk *
1	69653	Nut, Castle	1	
2	69654	Piston	1	
3	69655	Seal, Polypak	2	*
4	69656	O-Ring	1	*
5	69657	Barrel	1	
6	69658	Rod, Piston	1	
7	69659	O-Ring	1	*
8	69660	Back-Up Washer	1	*
9	69661	Seal, Polypak (Type B)	1	*
10	69662	Nut, Gland	1	
11	69663	Wiper	1	*
12	69664	Bushing	1	

TURRET WIRING



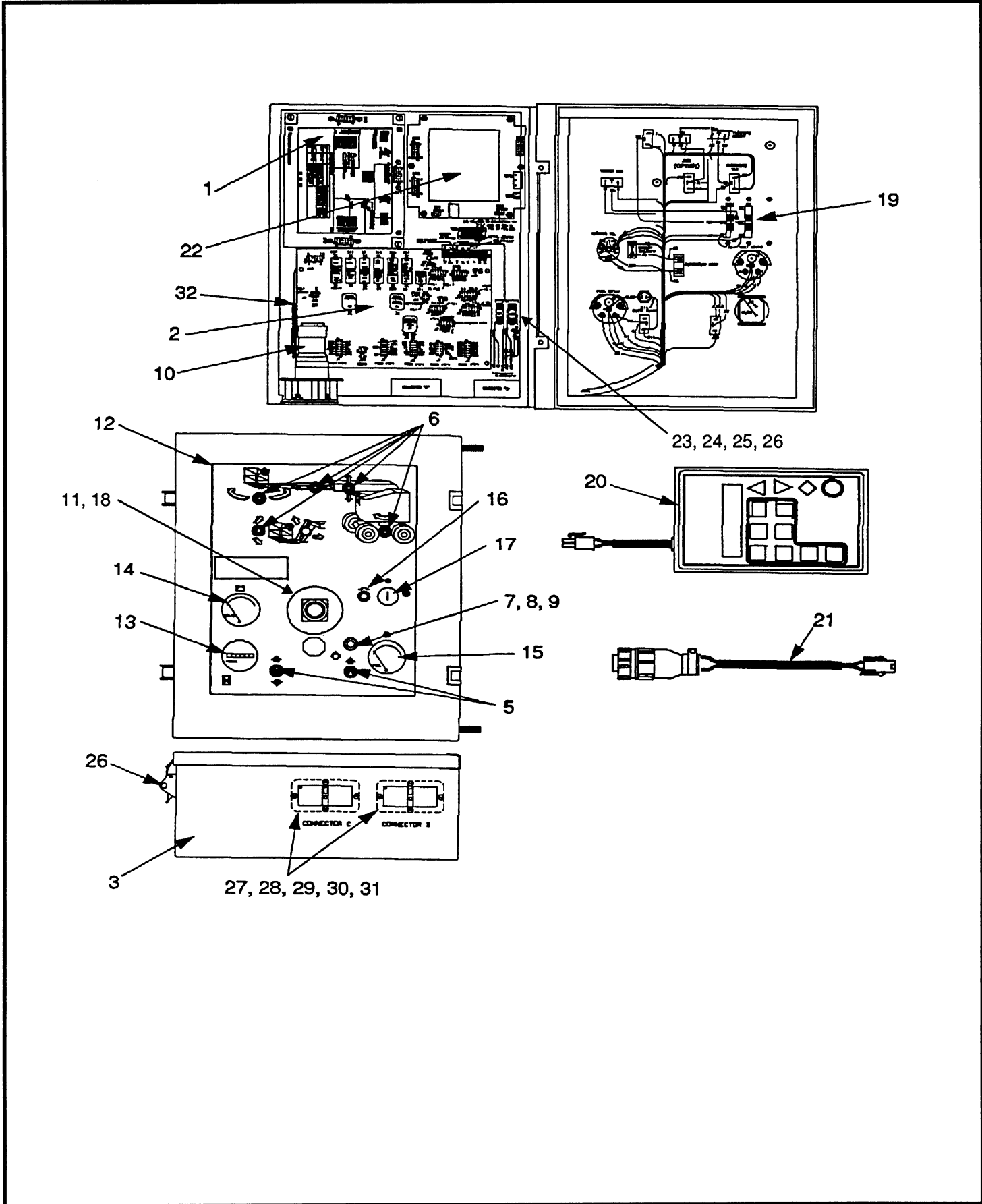
TURRET WIRING

Model TA64

Issued 1-98

Ref.	Part No.	Description	Qty	Remarks
	141948	Turret Wiring Assembly	1	Incl. Items 1 thru 12
1	212539	Wire Harness, Turret	1	
2	200B2007-6	Clamp	2	
3	200B2007-4	Clamp	1	
4	16214	Pad, Tie	3	
	256	Tie, Cable	3	
5	12177-4	Trim, Flexible	1	
6	1205-36	Nut	7	
	1210-20	Lockwasher	7	
	1209-4	Flatwasher	7	
7	200B2007-56	Clamp, Double"	2	
8	213016	Ground Control Box Ass'y	1	See Page 4.38
9	441 6834	Switch, Proximity	2	
10	441 6835	Cable w/Connector	2	
11	310 1507	Capscrew, Socket Head	4	
	331 1000	Flatwasher	4	
	340 1504	Locknut	4	
12	1222-202	Tie, Plastic	3	

GROUND CONTROL BOX



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

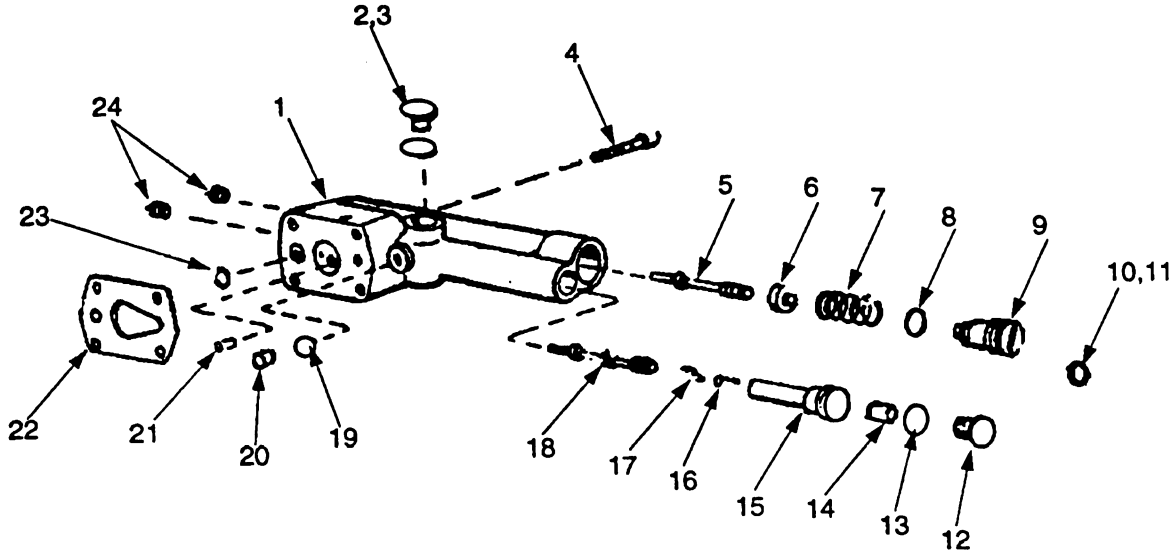
GROUND CONTROL BOX

Model TA64

Issued 1-98

Ref.	Part No.	Description	Qty	Remarks
	141948	Ground Control Box Assy	1	Incl. Items 1 thru 31
1	69463	Superflex Controller	1	
2	69464	Relay Card	2	
3	69465	Enclosure	1	
5	69163	Switch	2	
6	69232	Switch	6	
7	69144	Lamp Base	1	
8	69254	Bulb 14Volt	1	
9	69143	Lens, Red	1	
10	441 6836	Slope Sensor	1	
11	69440	Knob	1	
12	87989	Decal	1	
13	20571	Hour Meter	1	
14	69258	Volt Meter	1	
15	69259	Fuel Gauge	1	
16	69172	Circuit Breaker, 20A	1	
17	2717	Key Switch	1	
18	69166	Emergency Push Button	1	
19	69260	Resistor, Adjustable	1	
20	70930	Optimizer	1	
21	69462	Optimizer Cable	1	
22	600923	Multiflex Receiver	1	
23	70459	Relay, K31	1	
24	600924	Relay, K32	1	
25	70460	Base, Relay, K31	1	
26	600926	Base, Relay, K32	1	
27	70803	Connector, receptacle	2	
28	70806	Pin, Male	80	
29	1233-10	Machine Screw	8	
30	1205-3	Nut, Hex	8	
31	1210-5	Washer, Split	8	

MAIN PUMP CONTROL



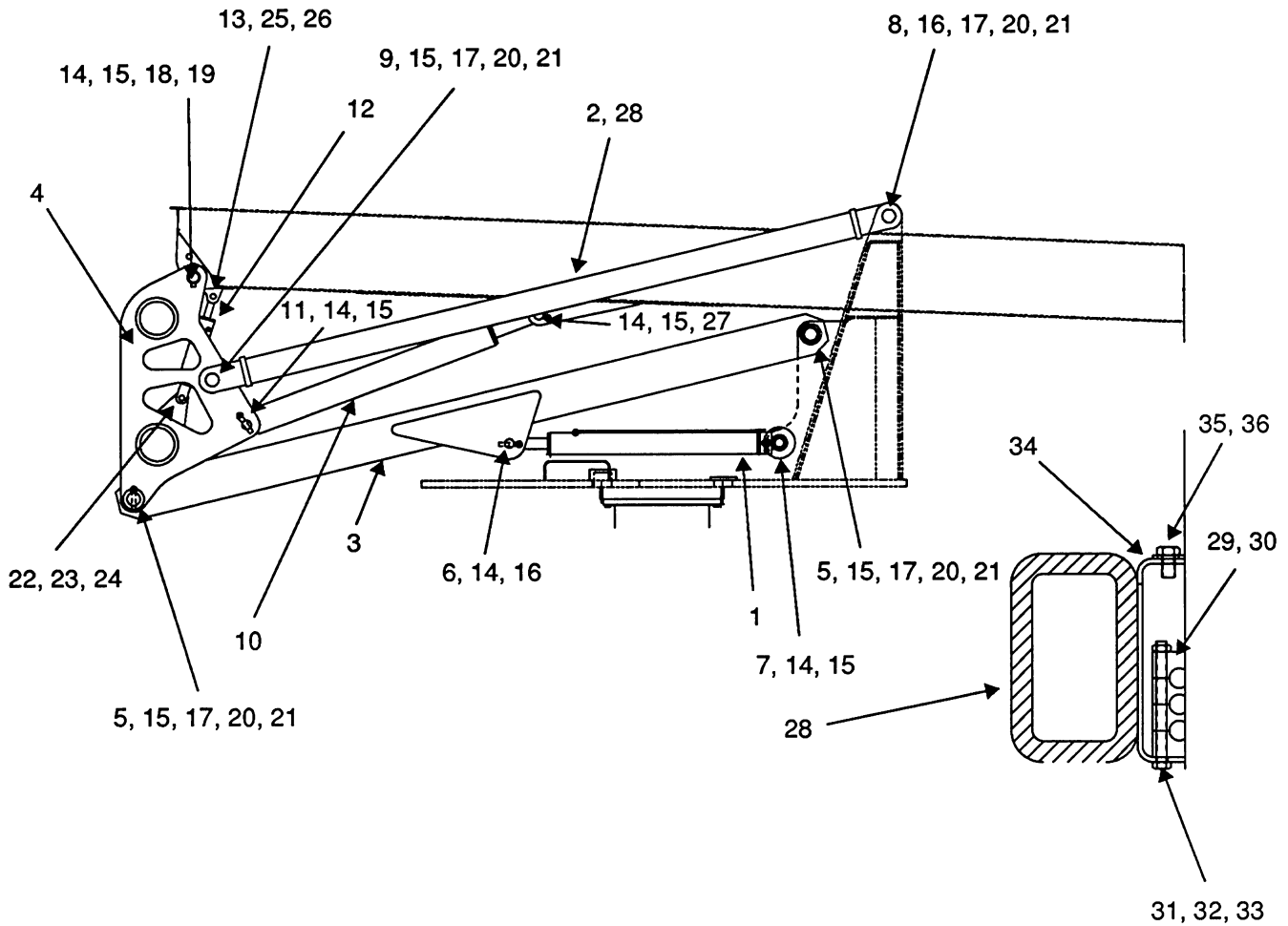
Ref.	Part No.	Description	Qty	Remarks
	600654	Load Sense & Pressure Compensator Control	1	Asterisk* for Seal Kit Items
1	N.S.S.	Body	1	
2	600801	Plug	1	
3	*	O-Ring	1	
4	600802	Screw	1	
5	600803	Spool	1	
6	600804	Seat	1	
7	600805	Spring	1	
8	*	O-Ring	1	
9	600818	Plug	1	
10	600806	Seal		
11	600807	Lockwire	1	
12	600808	Plug	1	
13	*	O-Ring	1	
14	600809	Set Screw	1	
15	600810	Seat	2	
16	600811	Spring	2	
17	600812	Seat	1	
18	600813	Spool	1	
19	600814	Plug	1	
20	600815	Plug	1	
21	600816	Check Valve	1	
22	*	Gasket	1	
23	*	O-Ring	1	
24	600817	Plug	2	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

SECTION 5 "BOOM ASSEMBLY" CONTAINS:

<u>PAGE</u>	<u>TITLE</u>
5.2	RISER & BOOM INSTALLATION
5.4	BOOM ASSEMBLY
5.6	BOOM ASSEMBLY
5.8	HOIST CYLINDER
5.9	6' JIB ASSEMBLY
5.10	SLAVE LEVEL CYLINDER
5.11	EXTEND CYLINDER
5.12	POWER TRACK

RISER & BOOM INSTALLATION



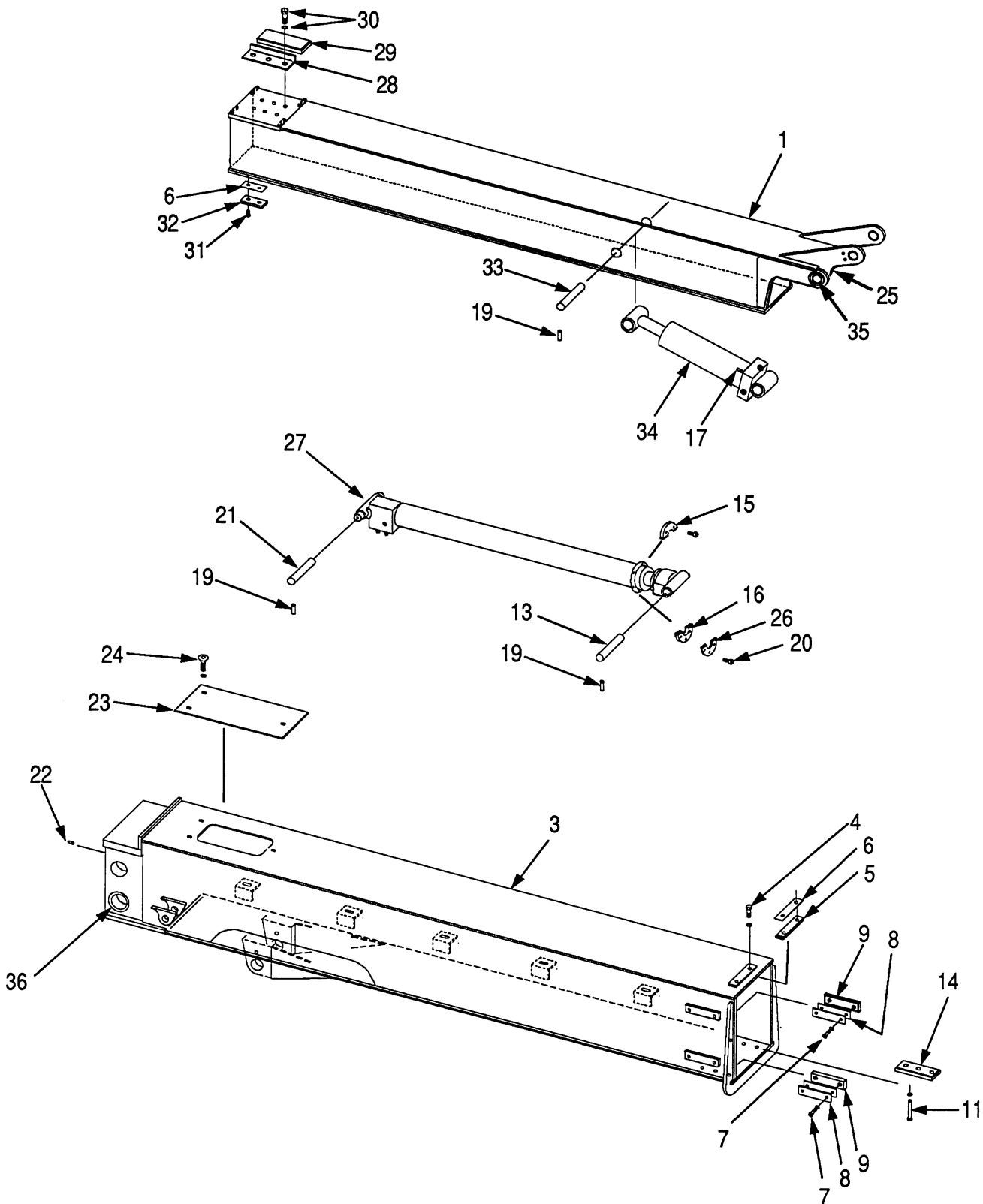
RISER & BOOM INSTALLATION

Model TA64

Issued 12-98

Ref.	Part No.	Description	Qty	Remarks
	141905	Riser & Boom Installation Ass'y	1	Incl. Items 1 thru 36
1	81560	Cylinder, Riser	1	
2	141950	Weldment, RH Upper Arm	1	
3	141954	Weldment, Lower Arm	1	
4	141959	Weldment, Riser	1	
5	141971	Pin, Lower arm Pivot	2	
6	141970	Pin, Riser Cylinder Rod Eye	1	
7	141878	Pin, Riser Cylinder Base	1	
8	141879	Pin, Upper Arm Pivot	2	
9	141969	Pin, Upper Arm Pivot	1	
10	61531	Cylinder, Hoist	1	
11	141916	Pin, Hoist Cylinder	1	
12	212967	Cylinder, Master	1	
13	211912	Pin	1	
14	706 9449	Rod End	4	
15	1242-45	Capscrew	8	
16	316 3122	Capscrew	3	
17	141880	Rod End	6	
18	141917	Pin, Boom Pivot	1	
19	1208-57	Bushing, Machinery	4	
20	1213-1	Grease Fitting	5	
21	1208-73	Bushing, Machinery	8	
22	211913	Pin, Master Cylinder Base	1	
23	1207-40	Cotter Pin	2	
24	1209-70	Flat Washer	2	
25	211779	Rod End	1	
26	1242-134	Capscrew	1	
27	212562	Pin, Hoist Cylinder		
28	141946	Weldment, LH Upper Arm	1	
29	141942	Clamp	4	
30	141943	Clamp	4	
31	1200-19	Capscrew	4	
32	1209-2	Flatwasher	4	
33	1205-23	Locknut	4	
34	141944	Cover	1	
35	1211-12	Screw, Self Tapping	8	
36	1209-3	Flat Washer	8	

BOOM ASSEMBLY

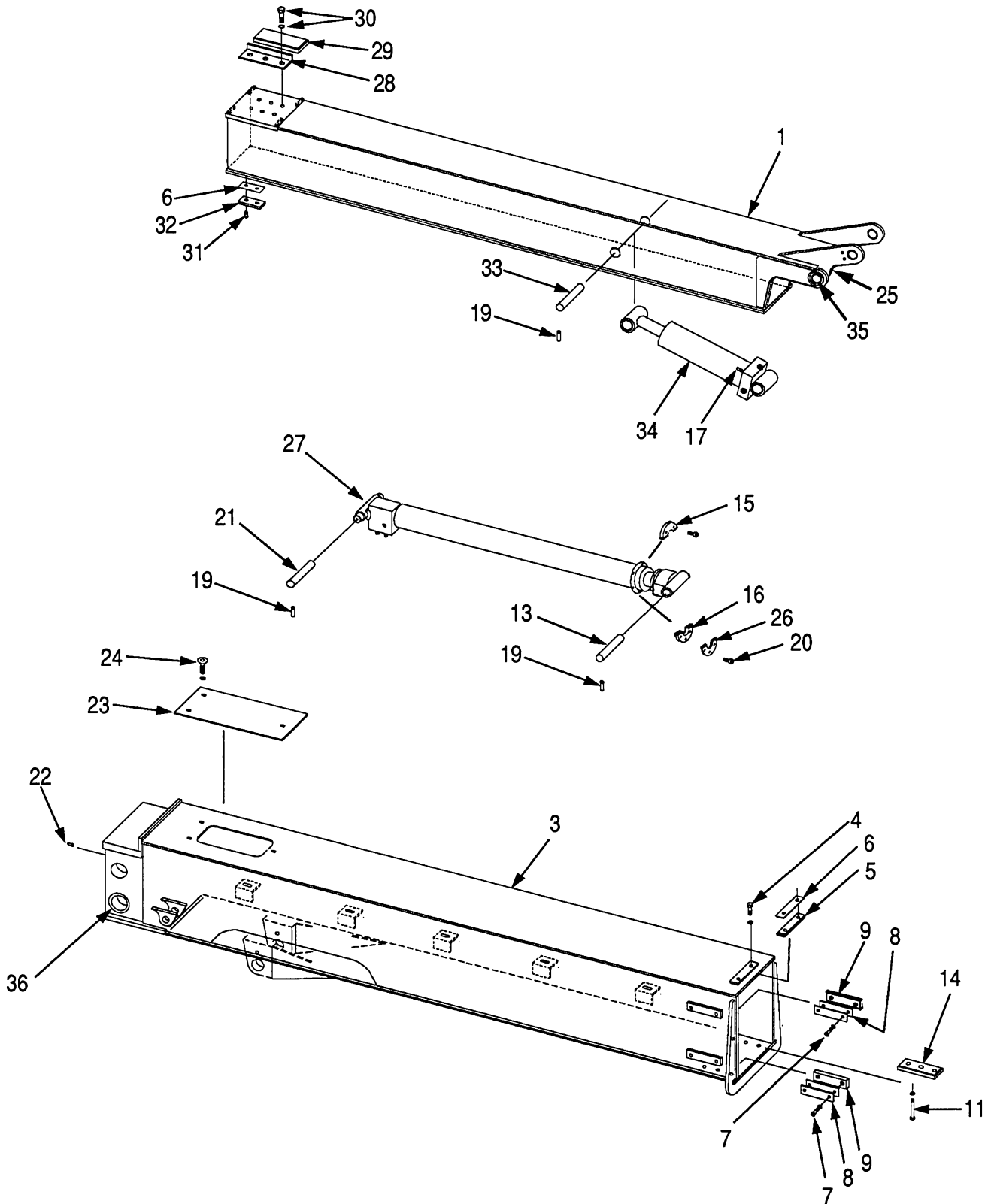


WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

BOOM ASSEMBLY

Ref.	Part No.	Description	Qty	Remarks
	212862	Boom Assembly	Ref	Incl. 1 thru 36
1	212783	Boom, Inner	1	Incl. 36
2	212790	Boom, Outer	1	
4	1200-31	Capscrew, 5/16C x 1	2	
	1210-17	Lockwasher	2	
5	211651	Pad, Wear	1	
6	211649	Shim, 16 Ga.	2AU	
	211650	Shim, 20 Ga.	2AU	
7	316 2338	Capscrew, 3/8C x 7/8	8	
	1210-20	Lockwasher	8	
8	211962	Shim, 16 Ga.	4AU	
	211963	Shim, 20 Ga.	4AU	
9	211956	Pad, Wear	4	
11	1200-315	Capscrew, 3/8C x .62	6	
	1210-20	Lockwasher, 3/8 HT	6	
13	212794	Pin	1	
14	211652	Pad, Wear	2	
15	212778	Pad, Wear	1	
	331 2000	Flatwasher, 3/8 HT	2	
16	212796	Pad, Wear	1	
17	1219-959	Adapter	2	
19	1227-261	Pin, Roll	4	
20	1200-73	Capscrew, 3/8C x 2.75	5	
	1205-45	Nut, Lock	5	
21	212793	Pin	1	
22	1213-1	Grease Fitting	1	
23	212777	Cover	1	
24	1200-315	Capscrew, 3/8C x 5/8	3	
	1210-20	Lockwasher	3	
	331 2000	Flatwasher, 3/8 HT	3	
25	1213-6	Grease Fitting	1	
26	212838	Plate	1	

BOOM ASSEMBLY



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

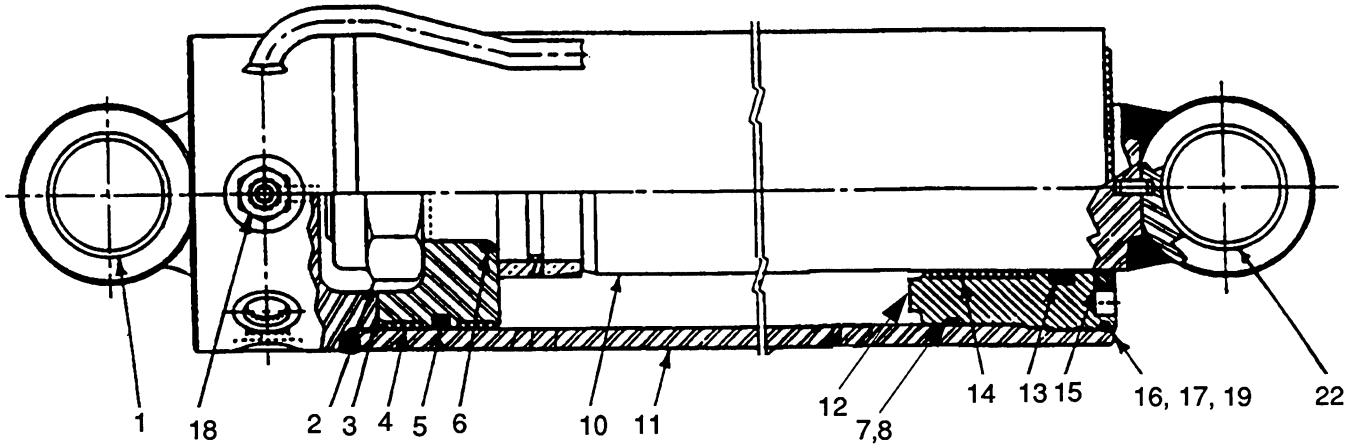
BOOM ASSEMBLY

Model TA64

Issued 1-98

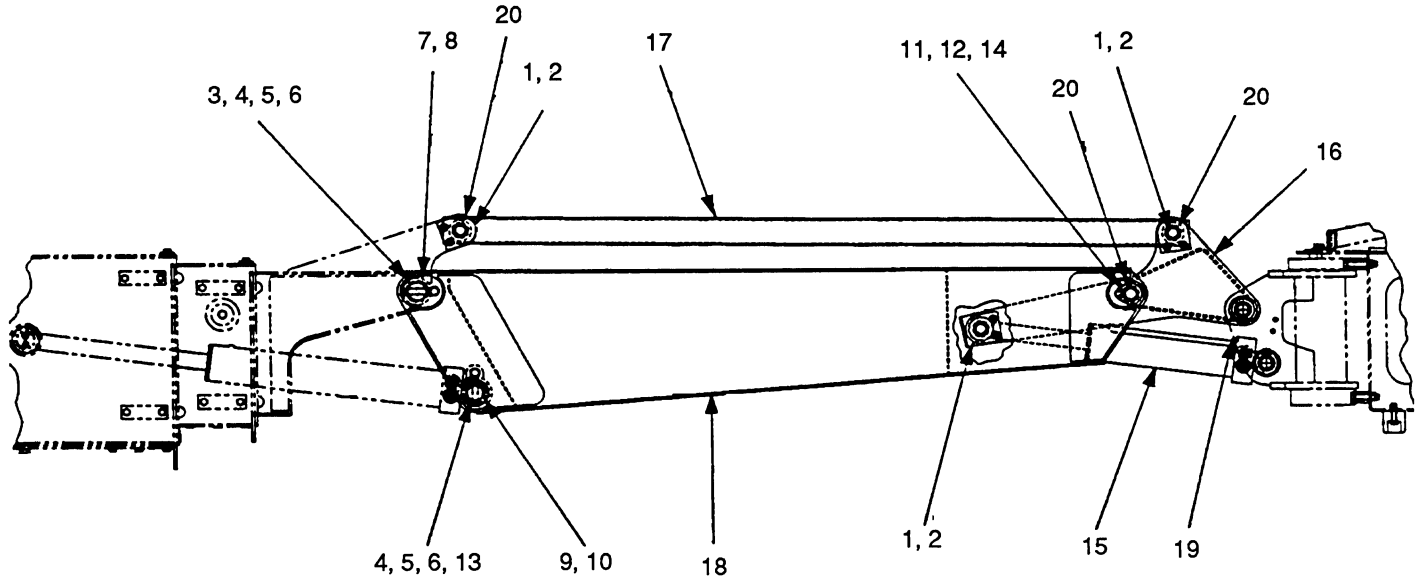
Ref.	Part No.	Description	Qty	Remarks
27	81565	Cylinder, Boom Extend	1	See Page 5.10
28	211660	Plate	2	
29	211659	Pad, Wear	2	
30	1242-160	Capscrew, 7/16C x 3/4	6	
	1209-59	Flatwasher, 7/16 HT	6	
31	1203-144	Capscrew, 3/8C x 3/4 Flat Head	2	
32	211957	Pad, Wear	1	
33	212182	Pin	1	
34	212175	Cylinder, Jib Leveling	1	See Page 5.15
35	401 2405	Bearing, Inner Boom Tip	2	
36	160723	Bushing	2	

HOIST CYLINDER



Ref.	Part No.	Description	Qty	Remarks
	81531	Boom Cylinder, Complete	1	Incl. Items 1 thru 19
	69226	Kit, Seal	1	Incl. Items w/Asterisk *
1	600696	Bushing	4	
2	69058	Nut	1	
3	600692	Piston	1	
4	*	Wear Band	2	*
5	*	T-Seal	1	*
6	*	O-Ring	1	*
7	*	O-Ring	1	*
8	*	Back-Up Ring	1	*
9	*	Cast Ring	1	*
10	600693	Rod	1	
11	600690	Barrel	1	
12	600694	Head Gland	1	
13	*	Poly Pak	1	*
14	*	Wear Band	1	*
15	*	Rod Wiper	1	*
16	*	Locking Insert	1	*
18	600695	Head Gland Cap	1	
21	600691	Valve, Counterbalance	1	
22	68882	Set Screw	1	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED



Ref.	Part No.	Description	Qty	Remarks
	212257	6' Jib Assembly	Ref	Incl. items 1 thru 20
1	212178	Pin	3	
2	61828	Capscrew	6	
3	212177	Pin	1	
4	709 1573	Rod End	2	
5	1209-59	Flatwasher	2	
6	1242-21	Capscrew	4	
7	1208-46	Bushing, 10 Gauge	2AU	AU=Average Usage
8	1208-48	Bushing, 18 Gauge	6AU	
9	1208-36	Bushing, 10 Gauge	2AU	
10	1208-38	Bushing 18 Gauge	2AU	
11	211710	Pin	1	
12	1209-63	Flatwasher	1	
13	212176	Pin	1	
14	1242-100	Capscrew	1	
15	81559	Cylinder, Save Leveling	1	See page 5.10
16	212192	Bracket	1	
17	212183	Link	1	
18	212207	Jib	1	
19	1219-959	Adapter	2	
20	1208-30	Bushing, 18 Gauge	12 AU	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

SLAVE LEVELING CYLINDER

Ref.	Part No.	Description	Qty	Remarks
	81559	Slave Level Cylinder, Rosenboom	1	
	69348	Kit, Seal	1	

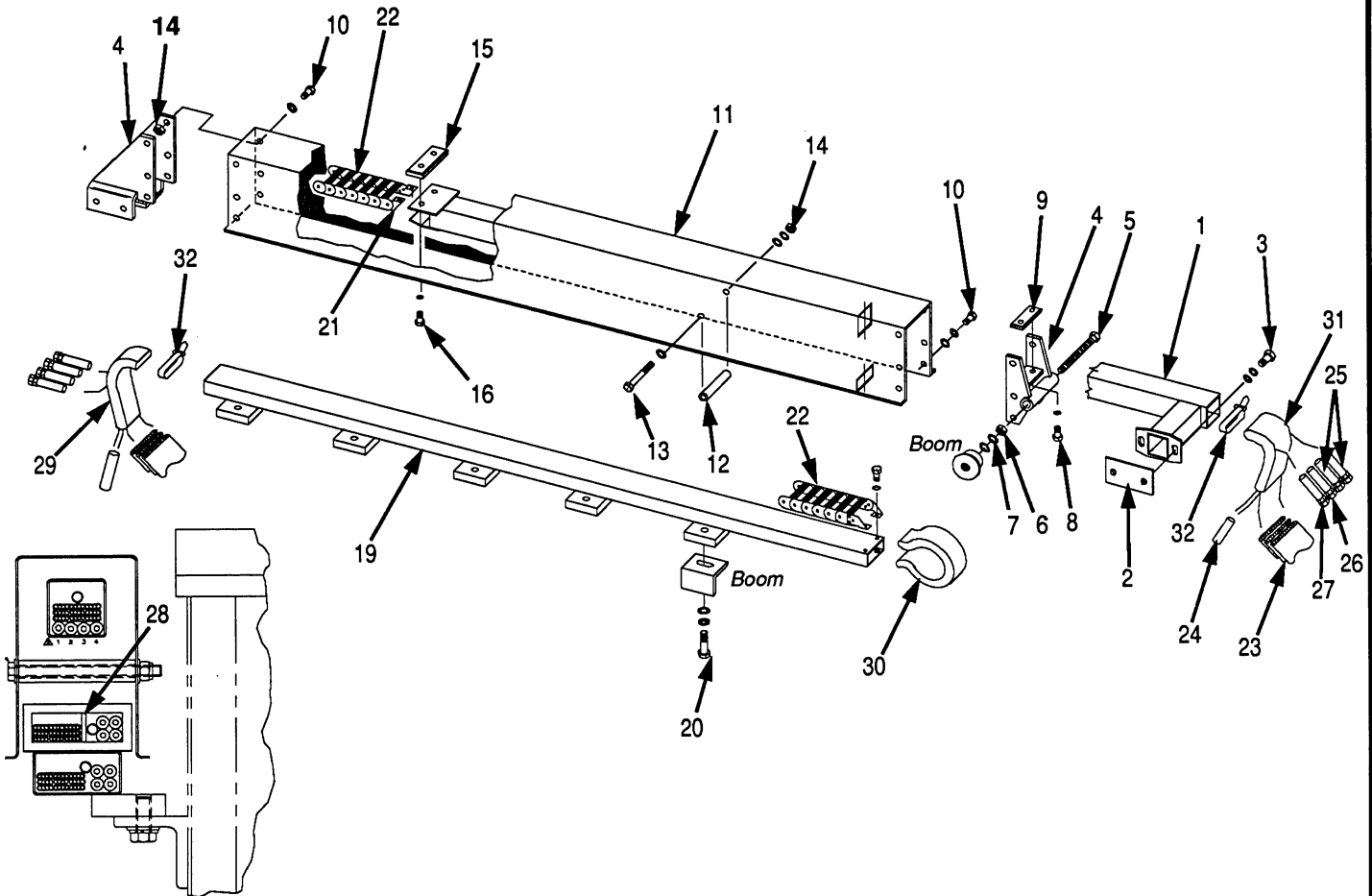
BOOM EXTEND CYLINDER

Model TA64

Issued 1-98

Ref.	Part No.	Description	Qty	Remarks
	81565	Extend Cylinder, Complete	1	Incl. Items 1 thru 24
	600916	Kit, Seal	1	Soft. No metal items
		Kit, Seal	1	Hard. Incl. metal items

POWER TRACK ASS'Y



Ref.	Part No.	Description	Qty	Remarks
	212671-1	Power Track Assembly		Incl. Items 1 thru 33
1	212670	Track, Inner	1	
2	211735	Shim	2	
3	1200-59	Capscrew, 3/8C x 1	2	
	1210-20	Lockwasher	2	
	1209-63	Flatwasher, 3/8 HT	2	
4	211748	Bracket, Track	1	
5	1200-212	Capscrew, 3/4C x 6	1	
6	1205-96	Nut, 3/4C Jam	1	
7	1209-40	Flatwasher, 3/4	3	

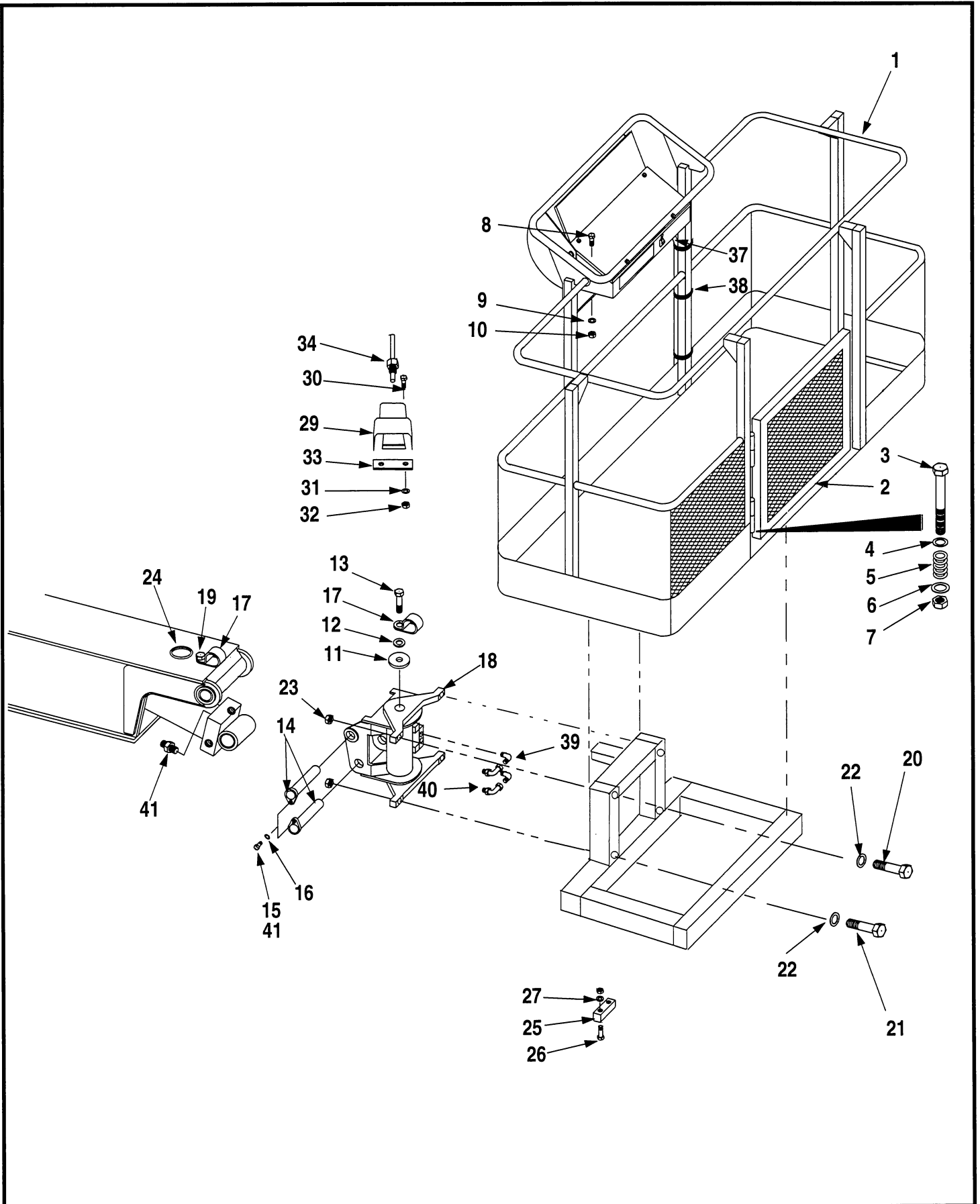
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

Ref.	Part No.	Description	Qty	Remarks
8	316 2338	Capscrew, 3/8C x 7/8	6	
	1209-63	Flatwasher, 3/8 HT	6	
9	211961	Pad, Wear	1	
10	1200-315	Capscrew, 3/8C x 5/8	12	
	1210-20	Lockwasher	12	
	1209-63	Flatwasher, 3/8 HT	12	
11	212663	Cover	1	
12	206F4693	Tube	8	
13	1200-380	Capscrew, 3/8C x 4 3/4	8	
	1210-20	Lockwasher	8	
	1209-63	Flatwasher	8	
14	1205-45	Locknut, 3/8C	14	
15	211960	Pad, Wear	1	
16	61921	Button Screw, 1/4C x 1/2	2	
	1209-44	Flatwasher	2	
19	212665	Bracket, Track	1	
20	1200-98	Capscrew, 1/2C x 1 1/4	2	
	1210-26	Flatwasher	2	
19	422 3023-2	Bracket, Female	1	
20	1200-98	Capscrew, 1/2C x 1-1/4	5	
	1210-26	Lockwasher	5	
	1209-29	Flatwasher, 1/2 HT	5	
21	422 3023-2	Bracket, Female	1	
22	422 3025	Cable Carrier (1 Link)	121	
23	212098-1	Cable, Flat	1	
24	70769	Cable, SJO	1	85' (TA64)
25	212135-882	Hose Ass'y	2	#1 & #2
26	212135-846	Hose Ass'y	2	#3
27	212135-798	Hose Ass'y	2	#4
28	422 3026	Cable Separator (both ends & 30" intervals)	8	
29	12193-120	Nylon Sleeve	1	
30	12193-24	Nylon Sleeve	1	
31	12193-216	Nylon Sleeve	1	
32	1222-202	Tie, Plastic	2	
33	511 2057	Loctite #242	AR	
34	2912	Cable	1	85' (TA64)

SECTION 6 "PLATFORM" CONTAINS:

<u>PAGE</u>	<u>TITLE</u>
6.2	PLATFORM
6.4	AERIAL CONTROL BOX
6.6	PLATFORM WIRING

PLATFORM

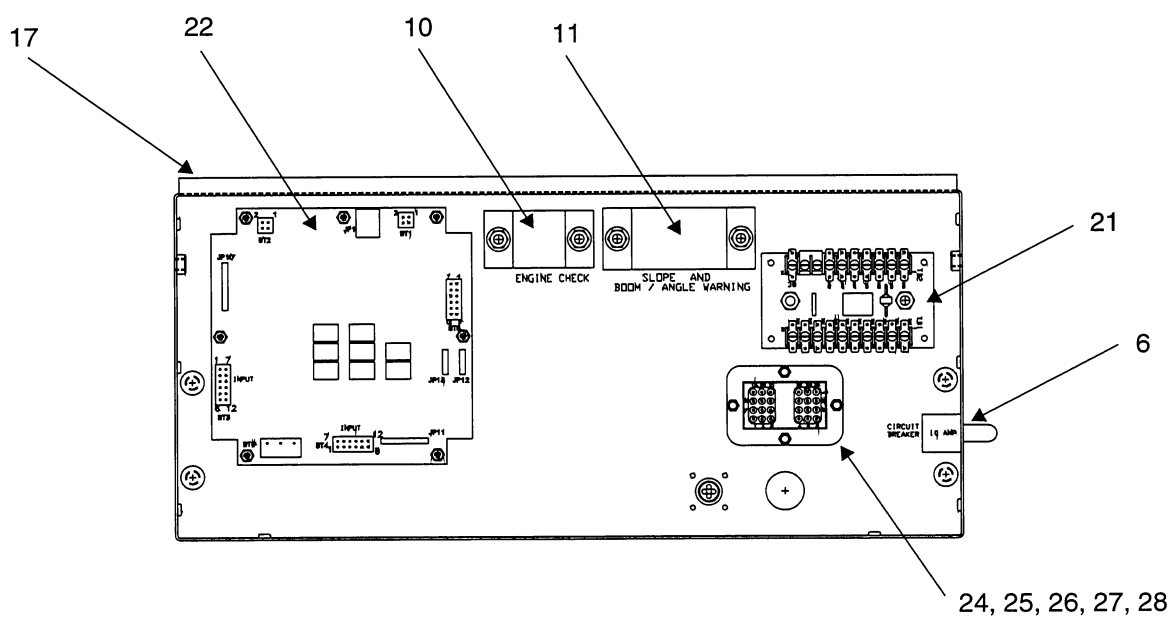
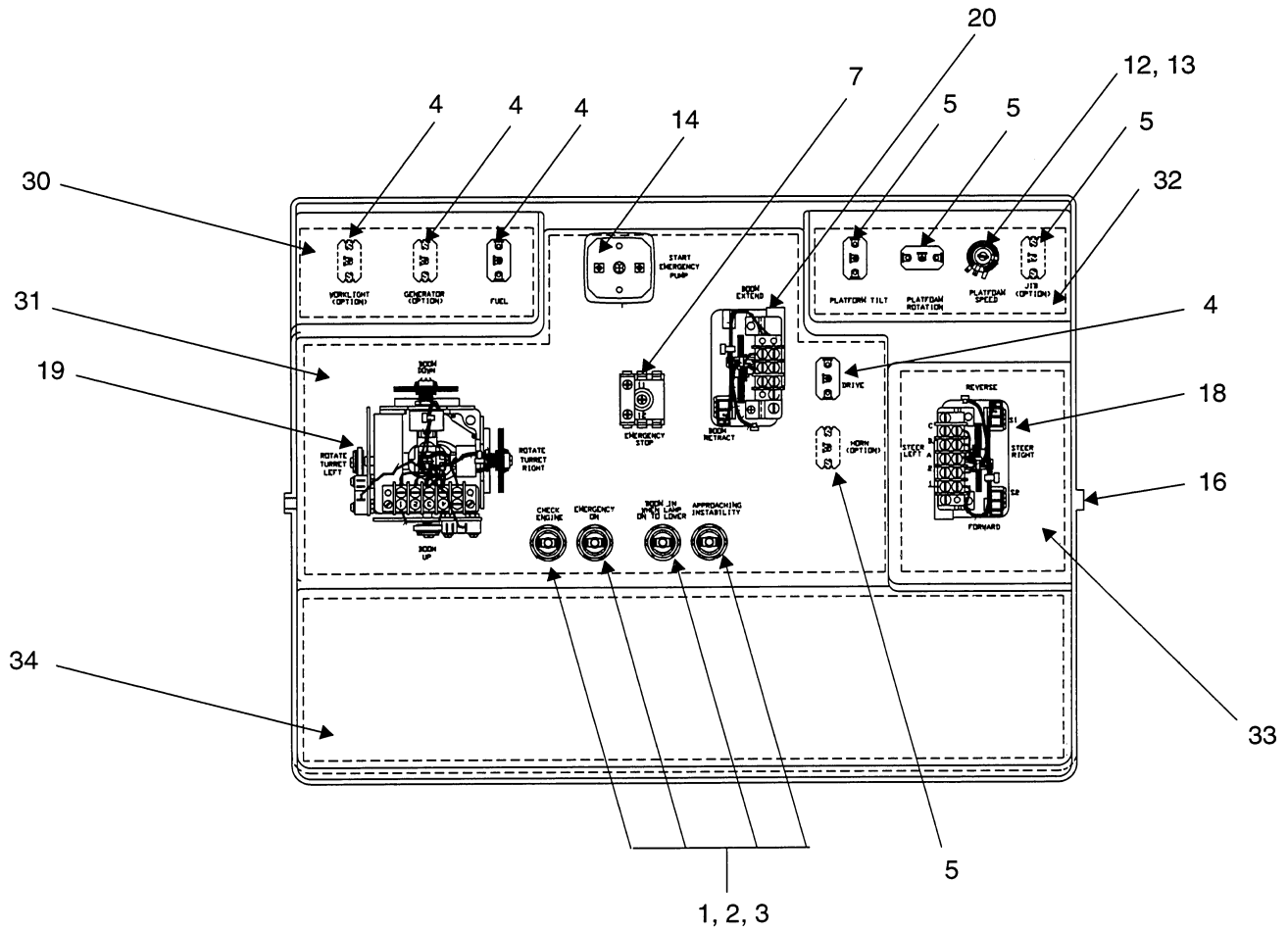


WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

PLATFORM

Ref.	Part No.	Description	Qty	Remarks	
	212474	Platform Ass'y, 6'	1]-Incl. Items 1 thru 42	
	212475	Platform Ass'y, 8' (Optional)	1		
1	212388	Platform, 6'	1		
	212473	Platform, 8' (Optional)	1		
2	212324	Door	1		
3	1200-130	Capscrew, 1/2C x 6	2		
4	085 113 24	Flatwasher	4		
5	211816	Spring	2		
6	384 2200	Washer, Thrust	2		
7	1205-67	Locknut, 1/2C	2		
8	1200-61	Capscrew, 3/8C x 1-1/4	4		
9	1209-63	Flatwasher, 3/8 HT	8		
10	1205-45	Locknut, 3/8C	4		
11	212209	Washer, Special	1		
12	1210-26	Lockwasher, 1/2 Gr. 8	1		
13	1242-29	Capscrew, 1/2C x 1 Gr. 8	1		
14	211710	Pin, Boom	2		
15	1242-100	Capscrew, 3/8C x 3/4 Gr. 8	2		
16	1209-63	Flatwasher, 3/8 HT	2		
17	200B2007-52	Clamp	2		
18	81534	Rotator	1		
19	1200-61	Capscrew 3/8C x 1-1/4	1		
	1209-4	Flatwasher	1		
	1205-45	Locknut, 3/8C	1		
20	1242-127	Capscrew, 1/2C x 3 Gr. 8	2		Top
21	1242-118	Capscrew, 1/2C x 2-1/2 Gr. 8	2		Bottom
22	1209-29	Flatwasher, 1/2 Gr. 8	4		
23	1205-67	Locknut, 1/2C	4		
24	1221-100	Grommet	1		
25	212064	Bumper	1		
26	1200-65	Capscrew, 3/8C x 1-3/4	2		
27	1209-63	Flatwasher, 3/8 HT	2		
28	1205-45	Locknut, 3/8C	2		
29	212858	Footswitch Ass'y	1		
30	1200-5	Capscrew, 1/4C x 1/4	2		
31	1209-2	Flatwasher, 1/4	4		
32	1205-23	Locknut, 1/4C	2		
33	22742	Plate	1		
34	2511	Strain Relief	1		
35	70187	Cable, SJO 18/4	1		
36	70149	Terminal, Pink Ring	4		
37	70807	Socket	4		
	69835	Tool, Crimp	Opt.	For Socket Installation	
38	1222-202	Tie, Plastic	3		
39	12019-264	Elbow, 90°	2		
40	2594	Fitting, 90°	2		
41	2562	Fitting, Straight	2		
42	511 2057	Loctite #242	AR		
43	70862	Connector	1		

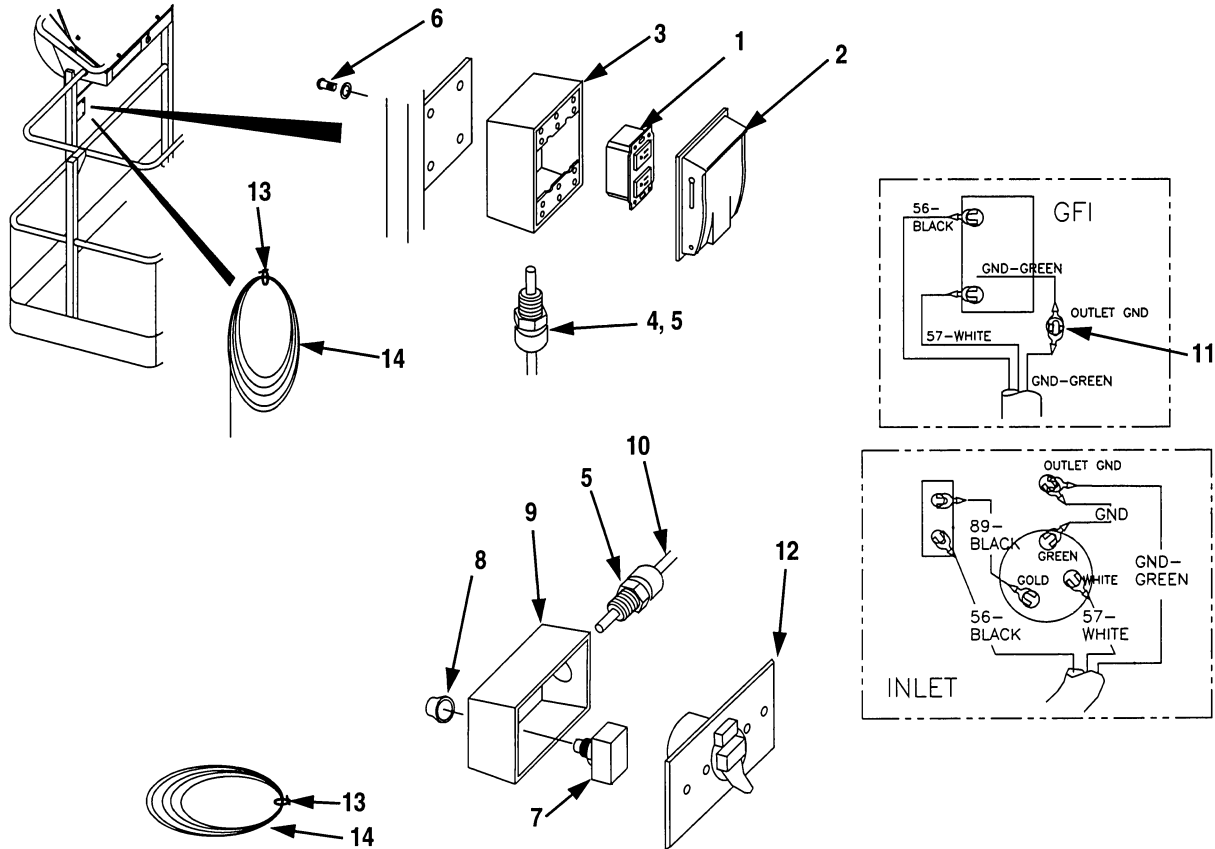
AERIAL CONTROLS



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

Ref.	Part No.	Description	Qty	Remarks
1	69144	Lamp Base	4	
2	69254	Bulb 14 Volt	4	
3	69143	Lens-Red	4	
4	69162	Tobble Switch S.P.D.T.	2	
5	69232	Tobble Switch S.P.D.T.	2	
6	69239	Breaker, Circuit 10A	1	
7	69166	Switch, Mushroom Pushbutton 24Volt	1	
8	69449	Nameplate, Decal	1	
9	69450	Diode	2	
10	441 6837	Alarm	1	
11	441 6838	Alarm	1	
12	69451	Rheostat, Adjustable	1	
13	69452	Knob, Rheostat	2	
14	69453	Switch	1	
15	69454	Cover, Roll Top	1	
16	69455	Enclosure Cover	1	
17	69456	Enclosure Base	1	
18	69457	Controller	1	
19	601004	Controller	1	
20	69458	Controller	1	
21	69380	Board, Relay	1	
22	69459	Transmitter	1	
23	69460	Nameplate, Decal	1	

PLATFORM WIRING



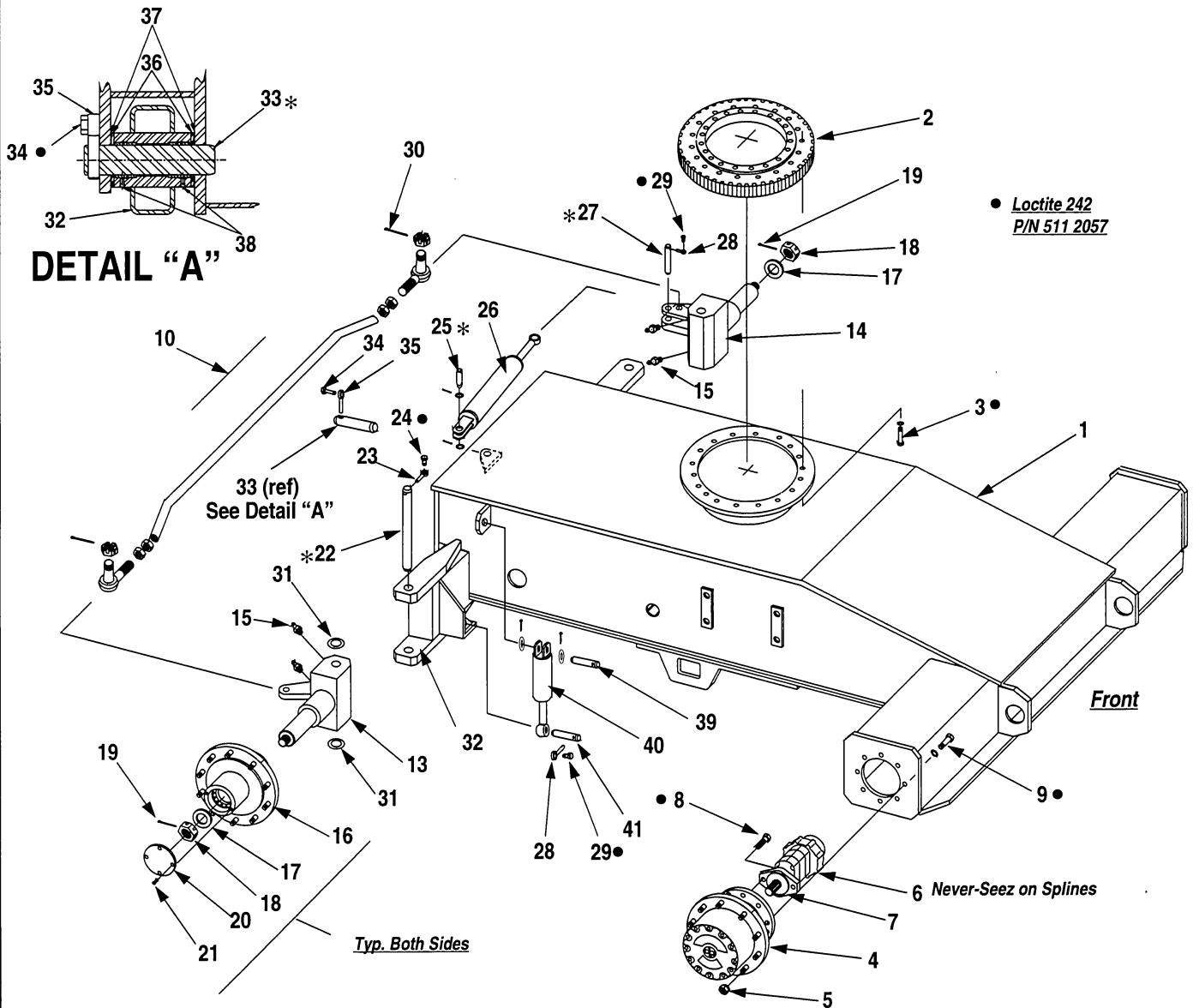
LOCATED AT GROUND STATION

Ref.	Part No.	Description	Qty	Remarks
	212162-1	Platform Wiring - 110 Volt	Opt.	Incl. Items 1 thru 11
	212162-2	Platform Wiring - 220 Volt	Opt.	Incl. Items 12 thru 14
1	70391	Receptacle, GFI	1	
2	70392	Cover, Receptacle	1	
3	70262	Box	1	
4	70119	Inlet w/Gasket	1	
5	2806	Strain Relief	2	
6	61720	Screw, #10-24 x 5/8 Self-Tapping	4	
7	441 4026	Circuit Breaker, 20A	1	
8	442 2399	Boot	1	
9	212133	Outlet Box	1	
10	70769	Cable, 12/3	Ref.	
11	117C	Terminal	11	
12	902	Cover, Door	1	
13	1222-202	Tie, Plastic	2	
14	70423	Cable, TUV 12/3	Ref.	

SECTION 7 "OPTIONS" CONTAINS:

<u>PAGE</u>	<u>TITLE</u>
7.2	OSCILLATING AXLE BASE (2WD)
7.4	OSCILLATING AXLE BASE (4WD)
7.6	OSCILLATING AXLE BASE (4WD & STEER)
7.8	BASE HYDRAULICS (2WD & OSC AXLE)
7.10	BASE HYDRAULICS (4WD & OSC AXLE)
7.12	BASE HYDRAULICS (2WD & OSC AXLE & 4WS)
7.14	AMBER BEACON
7.15	WARNING HORN
7.16	ALL MOTION ALARM
7.17	GENERATOR
7.18	OSCILLATING AXLE CYLINDER

OSCILLATING AXLE BASE (2WD)



Ref.	Part No.	Description	Qty	Remarks
1	212125-2	Carriage Ass'y, Oscillating Axle (2WD)	1	Incl. 1 thru 42
	212278	Carriage Weldment (2WD)	1	
2	211773	Bearing, Swing	1	
3	1242-115	Capscrew, 5/8C x 3-1/2 Gr. 8	18	To be loctited upon assembly
	1209-48	Flatwasher, 5/8 Gr. 8	18	
4	210730	Torque Hub	2	See Page 3.8
5	65117	Nut, Ball (Wheel)	40	
6	81393	Drive Motor & Parking Brake Ass'y	2	See Pages 3.10 & 3.12
7	460 6309	O-Ring (Motor to Torque Hub Seal)	2	.094 x 4.00
8	1203-220	Capscrew, 1/2C x 1-1/2 12 Pt. Gr. 8	4	Motor to Hub
9	1242-45	Capscrew, 5/8C X 1-1/2 Gr. 8	16	Hub To Undercarriage

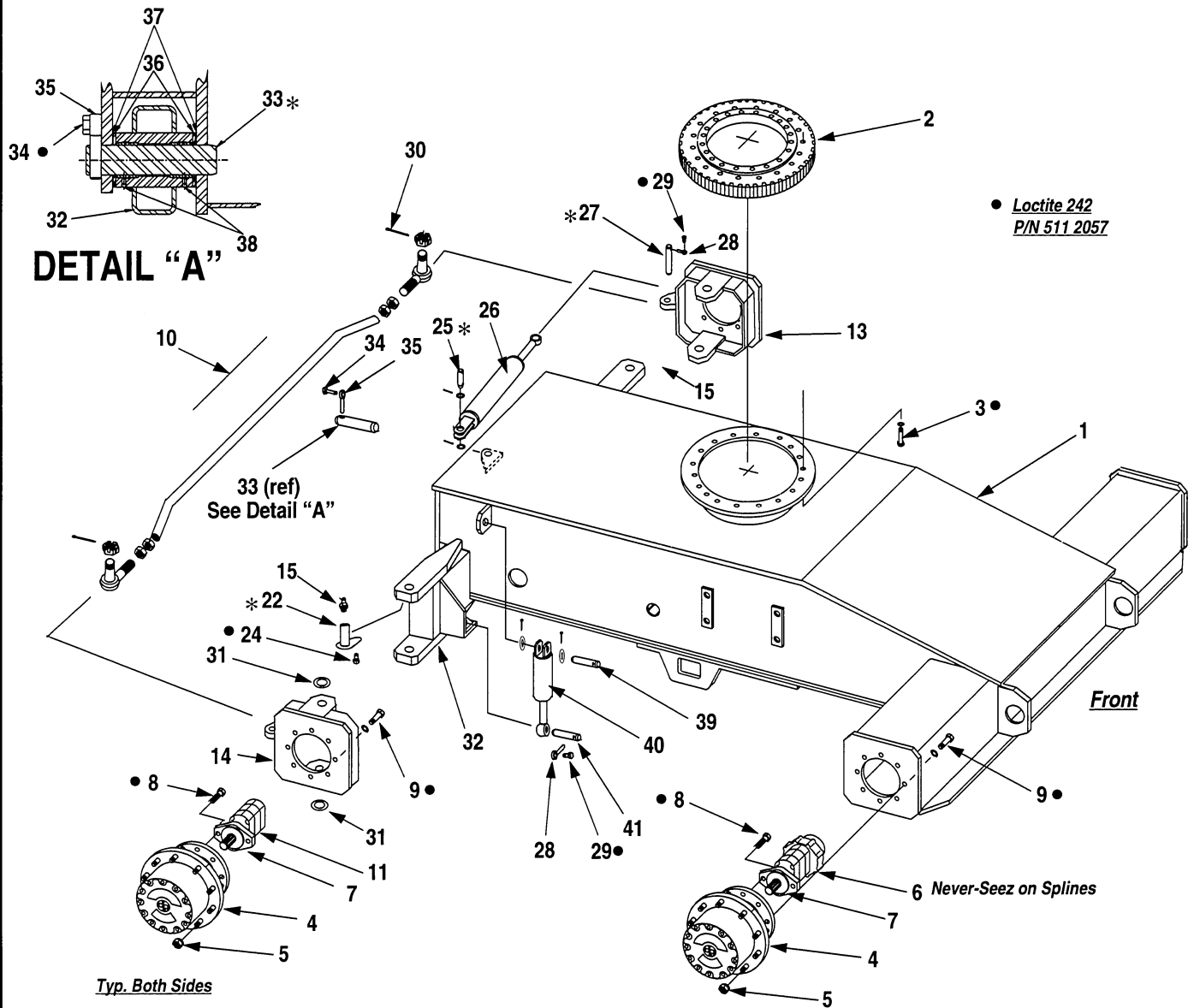
OSCILLATING AXLE BASE (2WD)

Model TA64

Issued 1-98

Ref.	Part No.	Description	Qty	Remarks
	1209-48	Flatwasher, 5/8C Gr. 8	16	
10	211915	Tie Rod Assembly	1	See Page 3.6
11	211942-1	Assembly, LH Wheel Hub & Spindle	1	Incl. items 13 & 15 thru 21
12	211942-2	Assembly, RH Wheel Hub & Spindle	1	Incl. items 14 thru 21
13	211936	Spindle, LH Rear	1	
	211941	Bushing, Flanged	2	
14	211937	Spindle, RH Rear	1	
	212169	Bushing	2	
15	1213-1	Zerk, Grease	4	
16	69947	Wheel Hub Assembly	2	See Page 3.7
17	211939	Washer, Thrust	2	
18	1205-143	Nut, 1-1/2F Slotted	2	
19	1207-44	Cotter Pin, 1/4 x 2-1/2	2	
20	211938	Cover, Wheel Hub	2	
21	1200-309	Capscrew, 1/4C x 1/2	4	
	1210-14	Lockwasher, 1/4	4	
22	211914	King Pin	2	
23	706 9449	Rod End, Buck Pin	2	
24	1242-45	Capscrew, 5/8C x 1-1/2 Gr. 8	2	
25	211913	Pin	1	
	1209-70	Flatwasher	2	
	1207-40	Cotter Pin, 1/4 x 1-1/2	2	
26	211758	Cylinder, Steering (Master Level Cylinder)	1	See Section 5
27	211912	Pin	1	Cylinder to LH Spindle
28	211779	Rod Eye	3	
29	1242-134	Capscrew, 3/8C x 1 Gr. 8	3	
30	1207-14	Cotter Pin, 1/8 x 1-1/2	2	Tie Rod
31	212170	Washer, Thrust	4	
32	212278	Weldment, Oscillating Axle	1	
33	212292	Pin, Oscillating Axle Pivot	1	
34	1200-268	Capscrew, 1C x 2-1/4 Gr.8	1	
35	709 1424	Rod Eye	1	
36	212277	Washer, Thrust	2	
37	212290	Shim	2	
38	1213-1	Zerk, Grease	2	
39	212294	Pin, Oscillating Cylinder Base	2	
	1209-31	Washer, Flat	4	
	1207-41	Cotter Pin, 1/4 x 1-3/4	4	
40	212260	Cylinder, Oscillating Axle	2	See Page 7.8
41	212295	Pin, Oscillating Cylinder Eye	2	
42	212296	Hydraulic Assembly, Oscillating Axle (2WD)	1	See Page 7.10
43		Tire & Rim Ass'y (Not Shown)	4	See Page 3.13

OSCILLATING AXLE BASE (4WD)



Ref.	Part No.	Description	Qty	Remarks
1	212126-2	Carriage Ass'y, Oscillating Axle (4WD)	1	Incl. 1 thru 42
	212268	Carriage Weldment (4WD)	1	
2	211773	Bearing, Swing	1	
3	1242-115	Capscrew, 5/8C x 3-1/2 Gr. 8	18	To be loctited upon assembly
	1209-48	Flatwasher, 5/8 Gr. 8	18	
4	210730	Torque Hub	2	See Page 3.8
5	65117	Nut, Ball (Wheel)	40	
6	81393	Drive Motor & Parking Brake Ass'y	2	See Pages 3.10 & 3.12
7	460 6309	O-Ring (Motor to Torque Hub Seal)	2	.094 x 4.00
			2	
8	1203-220	Capscrew, 1/2C x 1-1/2 12 Pt. Gr. 8	4	Motor to Hub

OSCILLATING AXLE BASE (4WD)

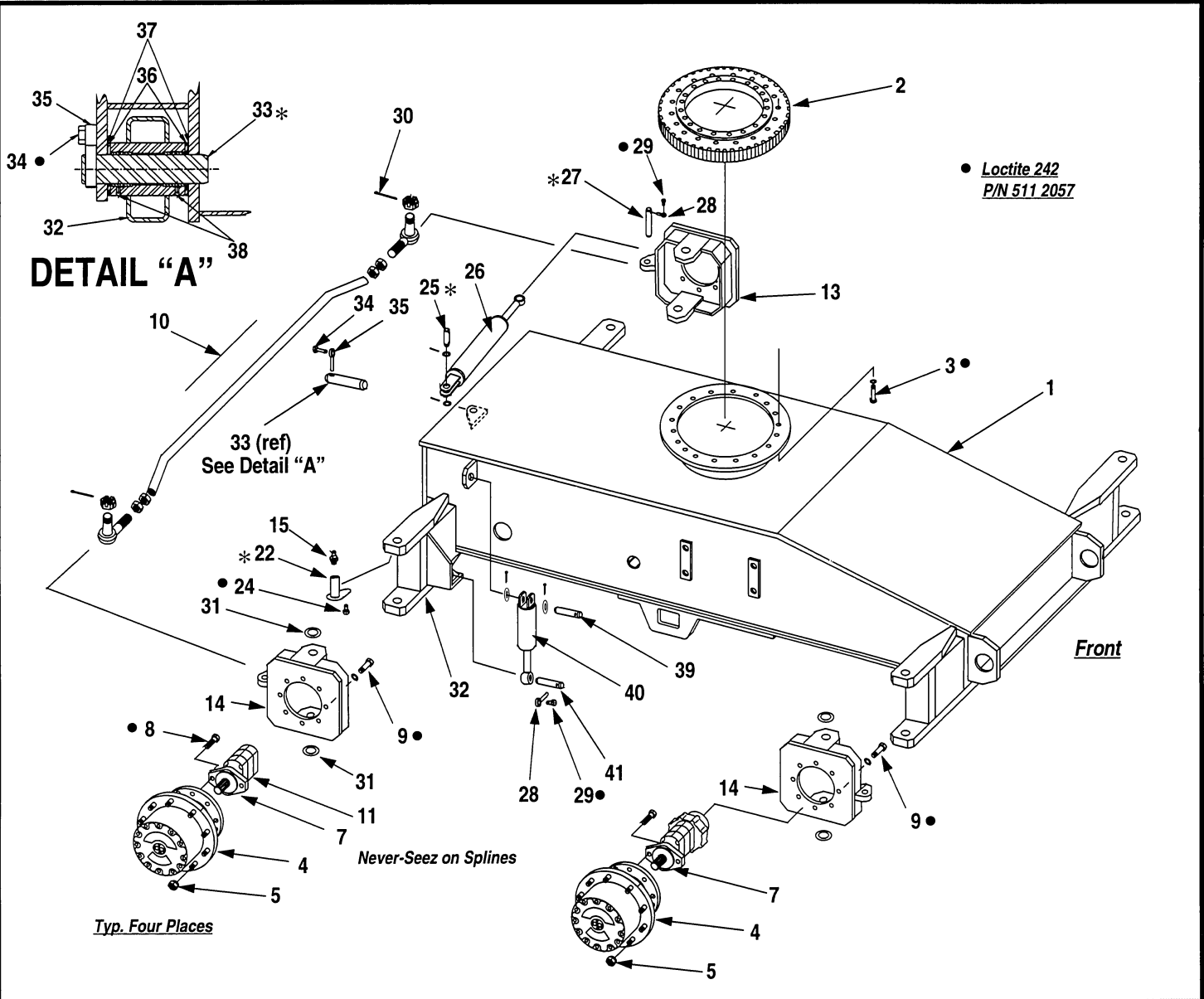
Model TA64

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Ref.	Part No.	Description	Qty	Remarks
9	1242-45	Capscrew, 5/8C X 1-1/2 Gr. 8	16	Hub To Undercarriage
	1209-48	Flatwasher, 5/8C Gr. 8	16	
10	211915	Tie Rod Assembly	1	See Page 3.6
11	211942-1	Assembly, LH Wheel Hub & Spindle	1	Incl. items 13 & 15 thru 21
12	211942-2	Assembly, RH Wheel Hub & Spindle	1	Incl. items 14 thru 21
13	211936	Spindle, LH Rear	1	
	211941	Bushing, Flanged	2	
14	211937	Spindle, RH Rear	1	
	212169	Bushing	2	
15	1213-1	Zerk, Grease	4	
16	69947	Wheel Hub Assembly	2	See Page 3.7
17	211939	Washer, Thrust	2	
18	1205-143	Nut, 1-1/2F Slotted	2	
19	1207-44	Cotter Pin, 1/4 x 2-1/2	2	
20	211938	Cover, Wheel Hub	2	
21	1200-309	Capscrew, 1/4C x 1/2	4	
	1210-14	Lockwasher, 1/4	4	
22	211914	King Pin	2	
23	706 9449	Rod End, Buck Pin	2	
24	1242-45	Capscrew, 5/8C x 1-1/2 Gr. 8	2	
25	211913	Pin	1	
	1209-70	Flatwasher	2	
	1207-40	Cotter Pin, 1/4 x 1-1/2	2	
26	211758	Cylinder, Steering (Master Level Cylinder)	1	See Section 5
27	211912	Pin	1	Cylinder to LH Spindle
28	211779	Rod Eye	3	
29	1242-134	Capscrew, 3/8C x 1 Gr. 8	3	
30	1207-14	Cotter Pin, 1/8 x 1-1/2	2	Tie Rod
31	212170	Washer, Thrust	4	
32	212278	Weldment, Oscillating Axle	1	
33	212292	Pin, Oscillating Axle Pivot	1	
34	1200-268	Capscrew, 1C x 2-1/4 Gr.8	1	
35	709 1424	Rod Eye	1	
36	212277	Washer, Thrust	2	
37	212290	Shim	2	
38	1213-1	Zerk, Grease	2	
39	212294	Pin, Oscillating Cylinder Base	2	
	1209-31	Washer, Flat	4	
	1207-41	Cotter Pin, 1/4 x 1-3/4	4	
40	212260	Cylinder, Oscillating Axle	2	See Page 7.8
41	212295	Pin, Oscillating Cylinder Eye	2	
42	212296	Hydraulic Assembly, Oscillating Axle (4WD)	1	See Page 12
43		Tire & Rim Ass'y (Not Shown)	4	See Page 3.13

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

OSCILLATING AXLE BASE (4WD & STEER)



Ref.	Part No.	Description	Qty	Remarks
1	213035	Carriage Ass'y, Oscillating Axle (4WD & Steer)	1	Incl. 1 thru 42
	213380	Carriage Weldment (2WD & Steer)	1	
2	211773	Bearing, Swing	1	To be loctited upon assembly
3	1242-115	Capscrew, 5/8C x 3-1/2 Gr. 8	18	
	1209-48	Flatwasher, 5/8 Gr. 8	18	
4	210730	Torque Hub	2	See Page 3.8
5	65117	Nut, Ball (Wheel)	40	
6	81393	Drive Motor & Parking Brake Ass'y	2	See Pages 3.10 & 3.12
7	460 6309	O-Ring (Motor to Torque Hub Seal)	2	.094 x 4.00
8	1203-220	Capscrew, 1/2C x 1-1/2 12 Pt. Gr. 8	4	Motor to Hub

OSCILLATING AXLE BASE (4WD & STEER)

Model TA64

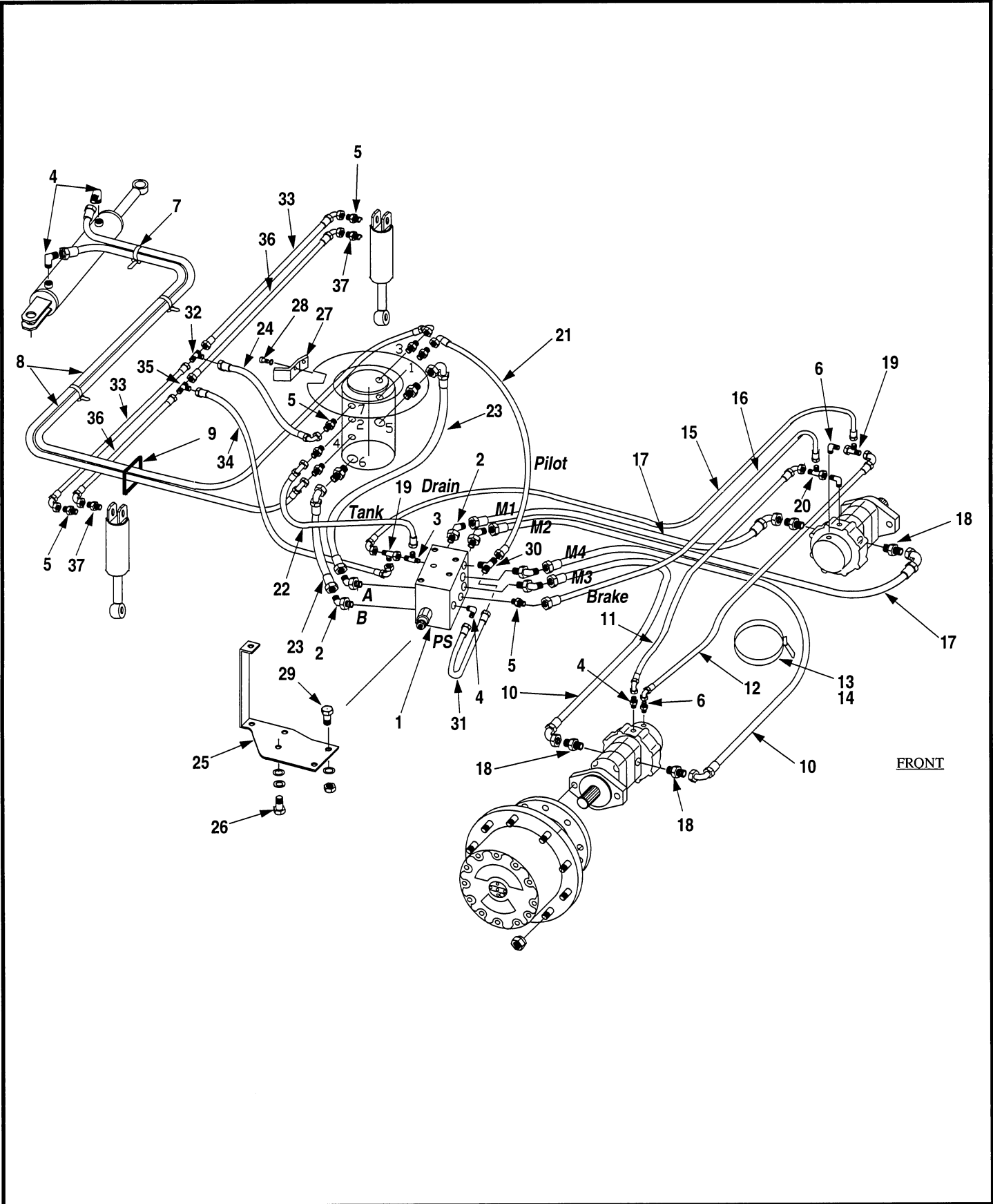
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Ref.	Part No.	Description	Qty	Remarks
9	1242-45	Capscrew, 5/8C X 1-1/2 Gr. 8	16	Hub To Undercarriage
	1209-48	Flatwasher, 5/8C Gr. 8	16	
10	211915	Tie Rod Assembly	1	See Page 3.6
11	211942-1	Assembly, LH Wheel Hub & Spindle	1	Incl. items 13 & 15 thru 21
12	211942-2	Assembly, RH Wheel Hub & Spindle	1	Incl. items 14 thru 21
13	211936	Spindle, LH Rear	1	
	211941	Bushing, Flanged	2	
14	211937	Spindle, RH Rear	1	
	212169	Bushing	2	
15	1213-1	Zerk, Grease	4	
16	69947	Wheel Hub Assembly	2	See Page 3.7
17	211939	Washer, Thrust	2	
18	1205-143	Nut, 1-1/2F Slotted	2	
19	1207-44	Cotter Pin, 1/4 x 2-1/2	2	
20	211938	Cover, Wheel Hub	2	
21	1200-309	Capscrew, 1/4C x 1/2	4	
	1210-14	Lockwasher, 1/4	4	
22	211914	King Pin	2	
23	706 9449	Rod End, Buck Pin	2	
24	1242-45	Capscrew, 5/8C x 1-1/2 Gr. 8	2	
25	211913	Pin	1	
	1209-70	Flatwasher	2	
	1207-40	Cotter Pin, 1/4 x 1-1/2	2	
26	211758	Cylinder, Steering (Master Level Cylinder)	1	See Section 5
27	211912	Pin	1	Cylinder to LH Spindle
28	211779	Rod Eye	3	
29	1242-134	Capscrew, 3/8C x 1 Gr. 8	3	
30	1207-14	Cotter Pin, 1/8 x 1-1/2	2	Tie Rod
31	212170	Washer, Thrust	4	
32	212278	Weldment, Oscillating Axle	1	
33	212292	Pin, Oscillating Axle Pivot	1	
34	1200-268	Capscrew, 1C x 2-1/4 Gr.8	1	
35	709 1424	Rod Eye	1	
36	212277	Washer, Thrust	2	
37	212290	Shim	2	
38	1213-1	Zerk, Grease	2	
39	212294	Pin, Oscillating Cylinder Base	2	
	1209-31	Washer, Flat	4	
	1207-41	Cotter Pin, 1/4 x 1-3/4	4	
40	212260	Cylinder, Oscillating Axle	2	See Page 7.8
41	212295	Pin, Oscillating Cylinder Eye	2	
42	212296	Hydraulic Assembly, Oscillating Axle (4WD)	1	See Page 7.14
43		Tire & Rim Ass'y (Not Shown)	4	See Page 3.13

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

BASE HYDRAULICS

(2WD & OSC AXLE)



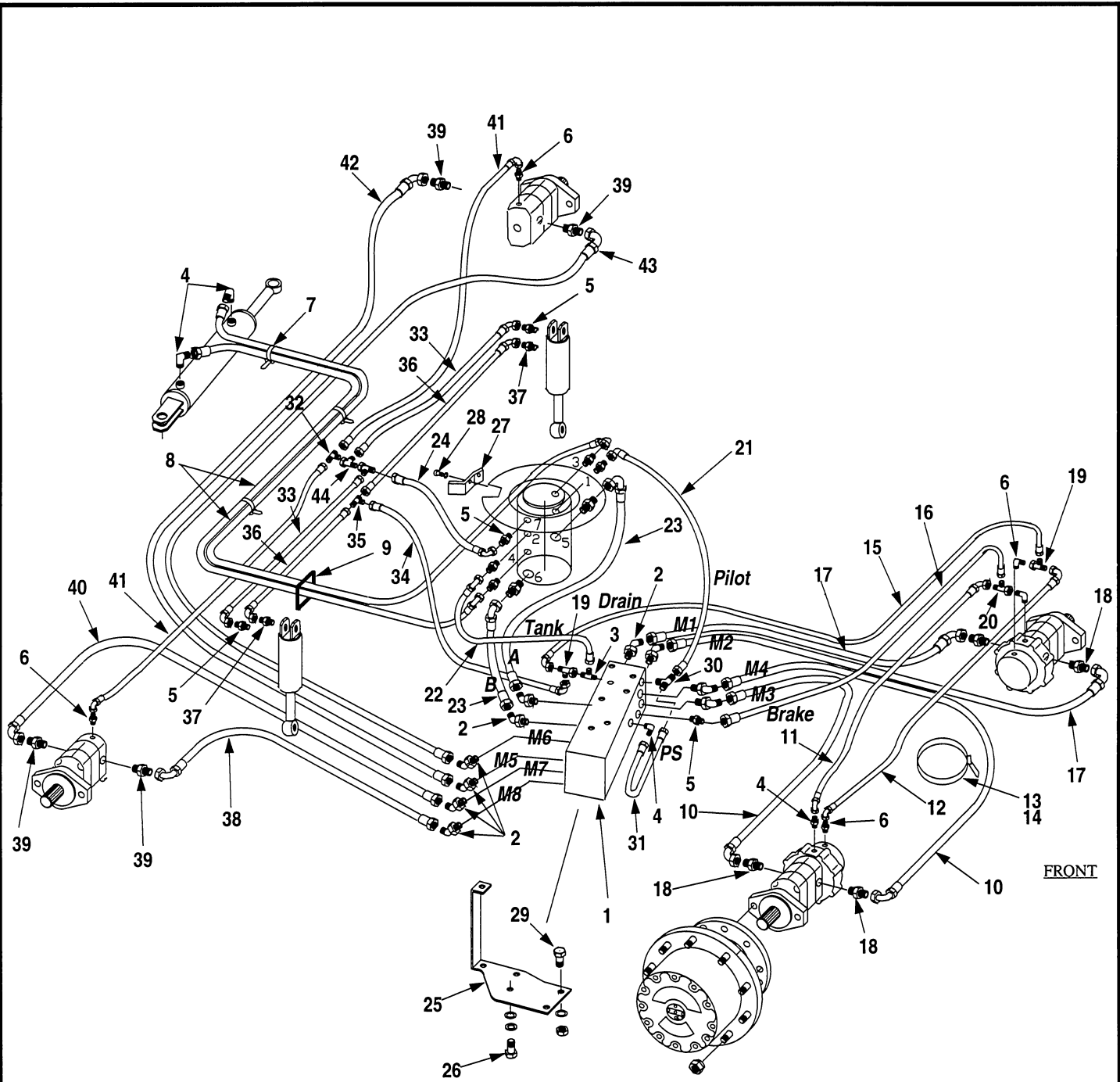
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

Ref.	Part No.	Description	Qty	Remarks
	212044	Lower Hydraulic Assembly	1	Incl. Items 1 thru 29
1	81445	Valve, Ground Drive	1	See Section 4
2	1219-663	Adapter	6	
3	1219-982	Adapter	1	
4	12019-548	Adapter	5	
5	1219-959	Adapter	1	
6	1219-776	Adapter	3	
7	1222-184	Tie Wrap	4	
8	212059-96	Hose	2	
9	12182-15	Trimlock	4	
10	212062-65	Hose	2	
11	212059-54	Hose	1	
12	212061-52	Hose	1	
13	200B2007-28	Clamp	1	
14	1205-36	Nut	1	
	1209-4	Flatwasher	1	
15	212061-58	Hose	1	
16	212060-54	Hose	1	
17	212062-78	Hose	2	
18	1219-389	Adapter	4	
19	12019-112	Tee	1	
20	12019-453	Tee	1	
21	212059-36	Hose	1	
22	212061-22	Hose	1	
23	212062-22	Hose	1	
24	212062-28	Hose	1	
25	212009	Bracket, Ground Drive Valve	1	
26	1200-59	Capscrew, 3/8C x 1	3	
	1210-20	Lockwasher	3	
	1209-4	Flatwasher	3	
27	212008	Plate, Rotary Manifold	1	
28	1200-59	Capscrew, 3/8C x 1	2	
	1209-4	Flatwasher	2	
29	1200-61	Capscrew, 3/8C x 1-1/4	3	
	1210-20	Lockwasher	3	
	1209-4	Flatwasher	3	
	1205-36	Nut, 3/8C	3	

BASE HYDRAULICS

(4WD & OSC AXLE)

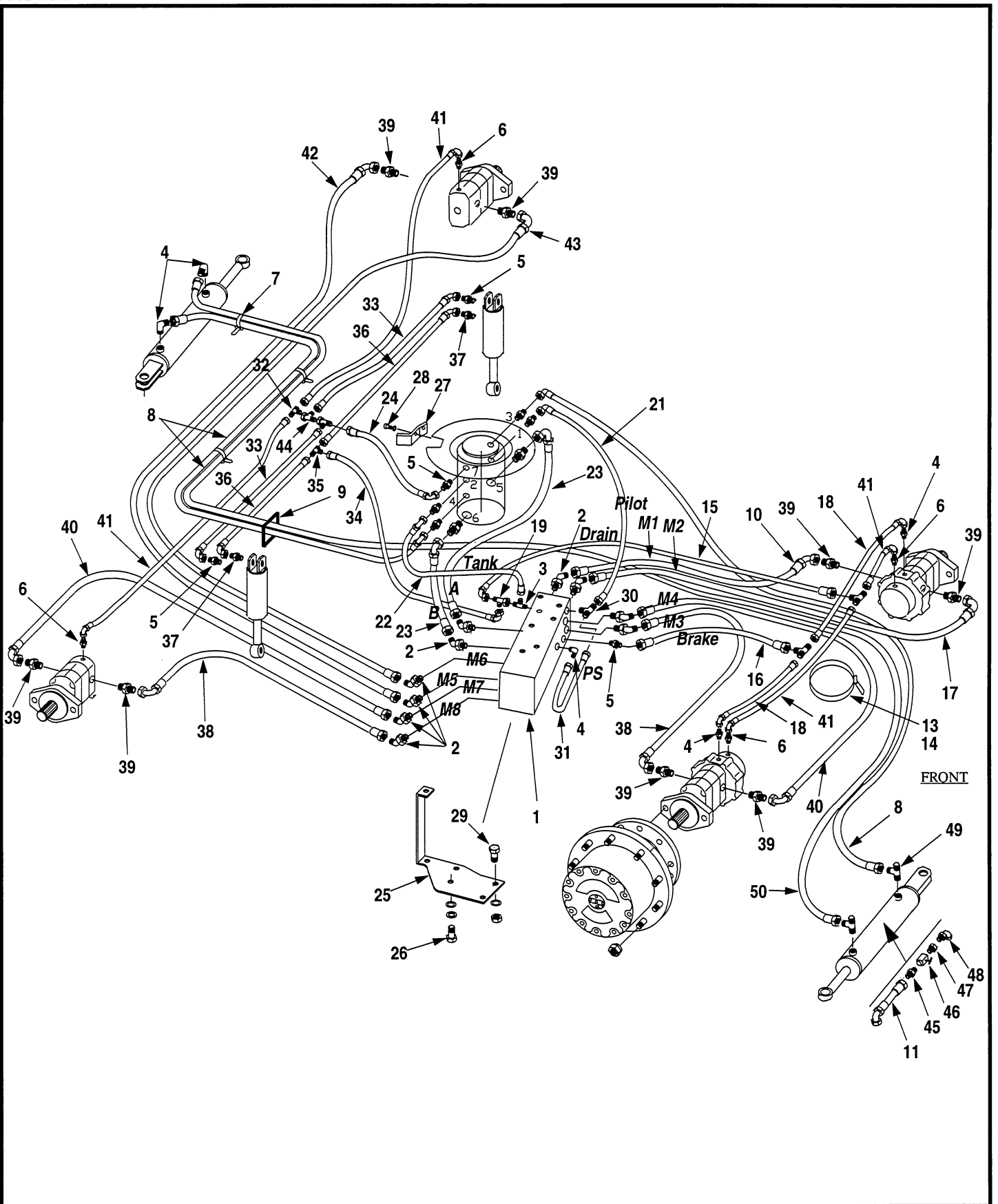
 **TEREX AERIALS**



Ref.	Part No.	Description	Qty	Remarks
	212044	Lower Hydraulic Assembly	1	Incl. Items 1 thru 29
1	81445	Valve, Ground Drive	1	See Section 4
2	1219-663	Adapter	6	
3	1219-982	Adapter	1	
4	12019-548	Adapter	5	
5	1219-959	Adapter	1	
6	1219-776	Adapter	3	
7	1222-184	Tie Wrap	4	
8	212059-96	Hose	2	
9	12182-15	Trimlock	4	
10	212062-65	Hose	2	
11	212059-54	Hose	1	
12	212061-52	Hose	1	
13	200B2007-28	Clamp	1	
14	1205-36	Nut	1	
	1209-4	Flatwasher	1	
15	212061-58	Hose	1	
16	212060-54	Hose	1	
17	212062-78	Hose	2	
18	1219-389	Adapter	4	
19	12019-112	Tee	1	
20	12019-453	Tee	1	
21	212059-36	Hose	1	
22	212061-22	Hose	1	
23	212062-22	Hose	1	
24	212062-28	Hose	1	
25	212009	Bracket, Ground Drive Valve	1	
26	1200-59	Capscrew, 3/8C x 1	3	
	1210-20	Lockwasher	3	
	1209-4	Flatwasher	3	
27	212008	Plate, Rotary Manifold	1	
28	1200-59	Capscrew, 3/8C x 1	2	
	1209-4	Flatwasher	2	
29	1200-61	Capscrew, 3/8C x 1-1/4	3	
	1210-20	Lockwasher	3	
	1209-4	Flatwasher	3	
	1205-36	Nut, 3/8C	3	

BASE HYDRAULICS

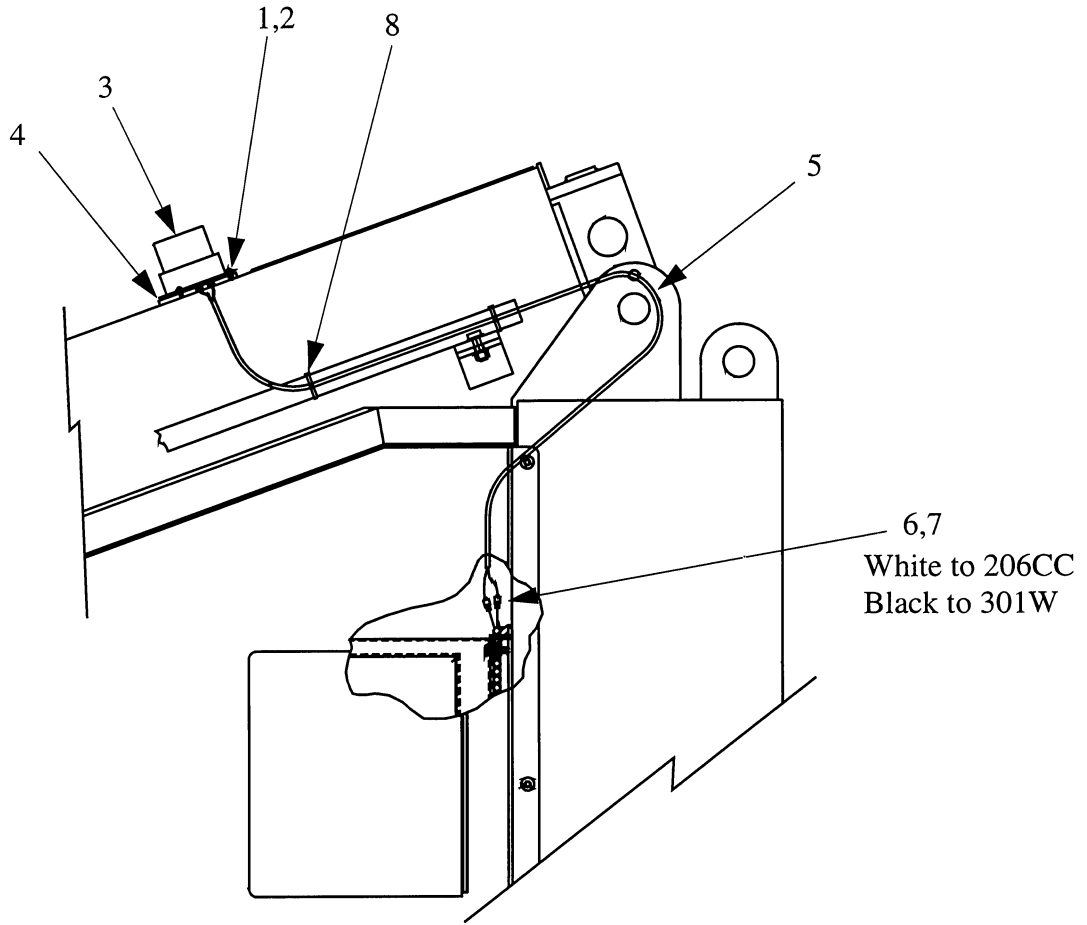
(4WD & OSC AXLE & 4WS)



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

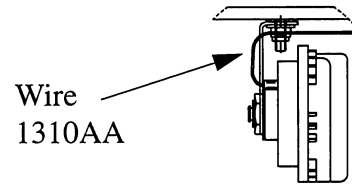
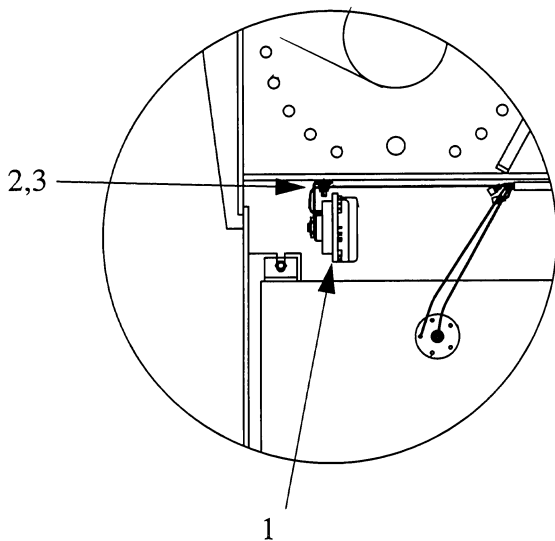
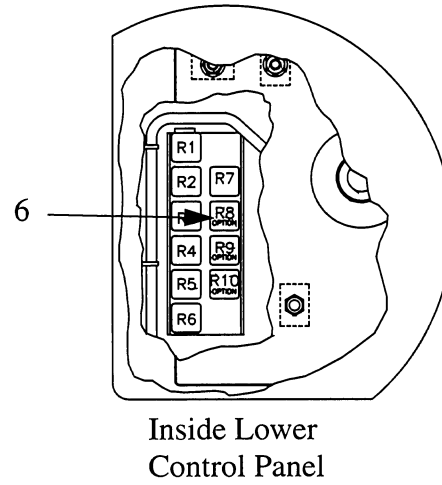
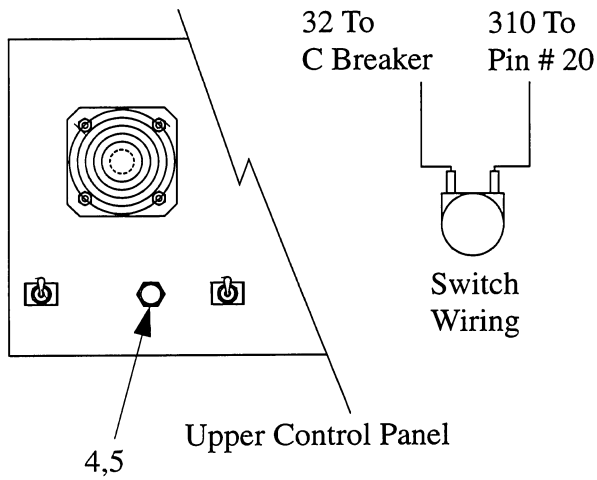
Ref.	Part No.	Description	Qty	Remarks
	212044	Lower Hydraulic Assembly	1	Incl. Items 1 thru 29
1	81445	Valve, Ground Drive	1	See Section 4
2	1219-663	Adapter	6	
3	1219-982	Adapter	1	
4	12019-548	Adapter	5	
5	1219-959	Adapter	1	
6	1219-776	Adapter	3	
7	1222-184	Tie Wrap	4	
8	212059-96	Hose	2	
9	12182-15	Trimlock	4	
10	212062-65	Hose	2	
11	212059-54	Hose	1	
12	212061-52	Hose	1	
13	200B2007-28	Clamp	1	
14	1205-36	Nut	1	
	1209-4	Flatwasher	1	
15	212061-58	Hose	1	
16	212060-54	Hose	1	
17	212062-78	Hose	2	
18	1219-389	Adapter	4	
19	12019-112	Tee	1	
20	12019-453	Tee	1	
21	212059-36	Hose	1	
22	212061-22	Hose	1	
23	212062-22	Hose	1	
24	212062-28	Hose	1	
25	212009	Bracket, Ground Drive Valve	1	
26	1200-59	Capscrew, 3/8C x 1	3	
	1210-20	Lockwasher	3	
	1209-4	Flatwasher	3	
27	212008	Plate, Rotary Manifold	1	
28	1200-59	Capscrew, 3/8C x 1	2	
	1209-4	Flatwasher	2	
29	1200-61	Capscrew, 3/8C x 1-1/4	3	
	1210-20	Lockwasher	3	
	1209-4	Flatwasher	3	
	1205-36	Nut, 3/8C	3	

Amber Beacon

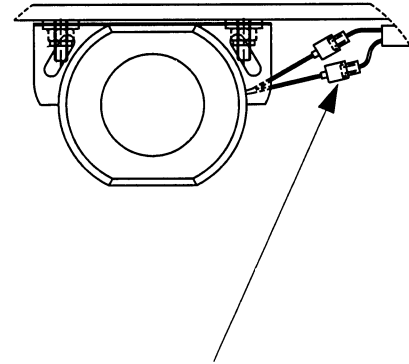
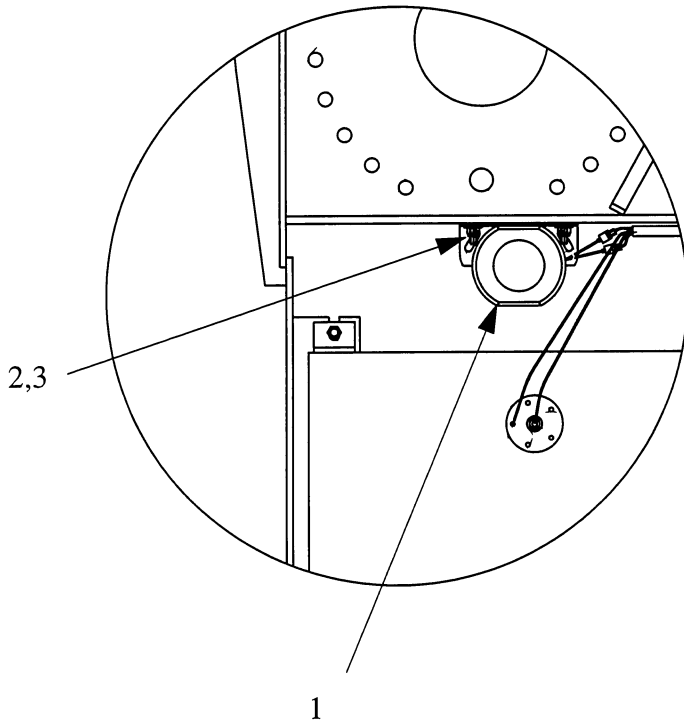


Ref.	Part No.	Description	Qty	Remarks
	212297-2	Amber Beacon Assembly	Ref	
1	1210-7	Washer,Lock #10	3	
2	1202-4	Capscrew	3	
3	441 6844	Amber Beacon	1	
4	212293	Plate	1	
5	70767	Cable (10 feet)	1	
6	70500	Female Spade	2	
7	70501	Male Spade	2	
8	1222-202	Plastic Tie	2	

WHEN ORDERING PARTS. SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED



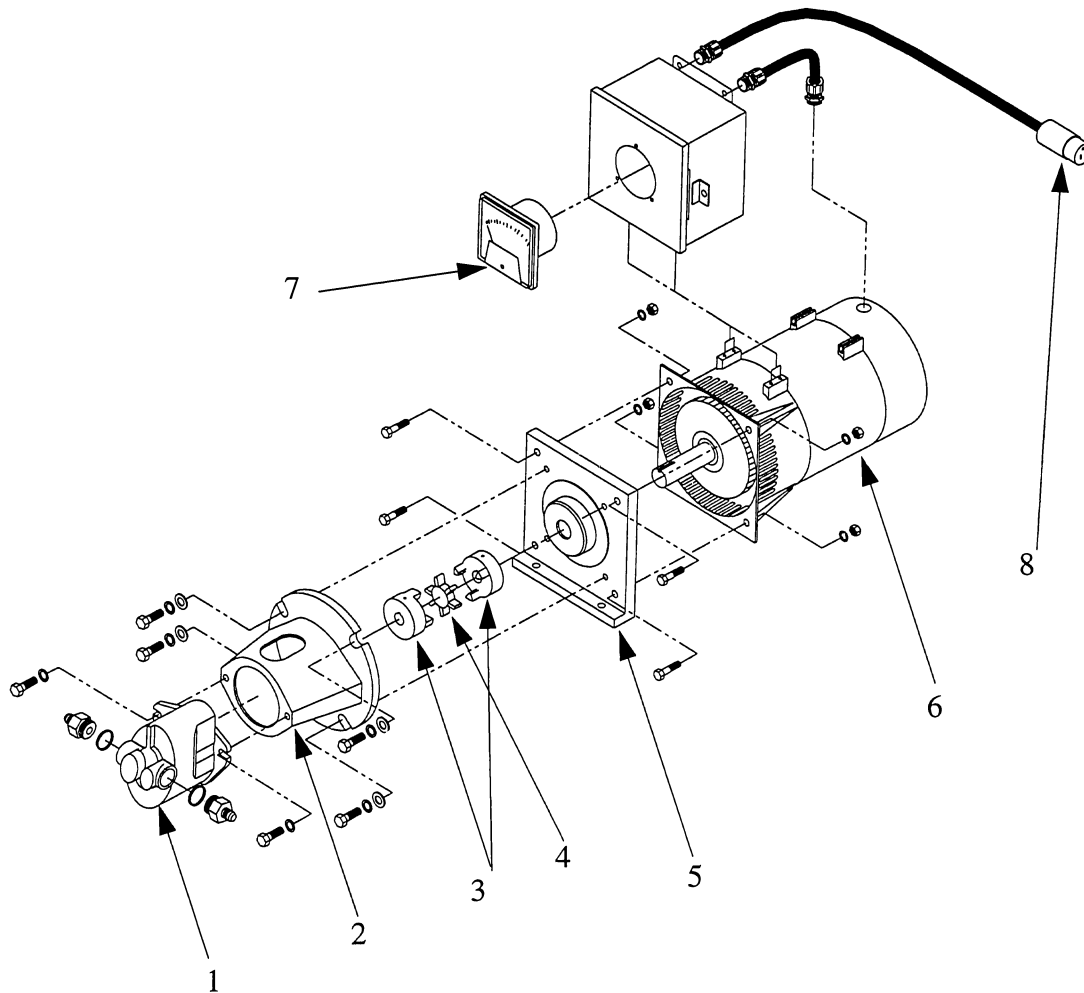
Ref.	Part No.	Description	Qty	Remarks
	212297-1	Warning Horn Assembly	Ref	
1	70249	Horn	1	
2	1205-34	Nut,lock .31	1	
3	1209-3	Washer, plain .31	2	
4	4011	Push Button Switch	1	
5	70373	Push Button Boot	1	
6	441 6828	Relay	1	



All Motion Alarm
Red to 28AA
Black to 301V

Travel Warning Alarm
Red to 206
Black to 301V

Ref.	Part No.	Description	Qty	Remarks
	212292-3	All Motion Alarm	Ref	
	212292-4	Travel Warning Alarm	Ref	
1	1223-716	Back-Up Alarm	1	
2	1205-34	Nut, Lock .31	2	
3	1209-3	Washer, Plain .31	4	



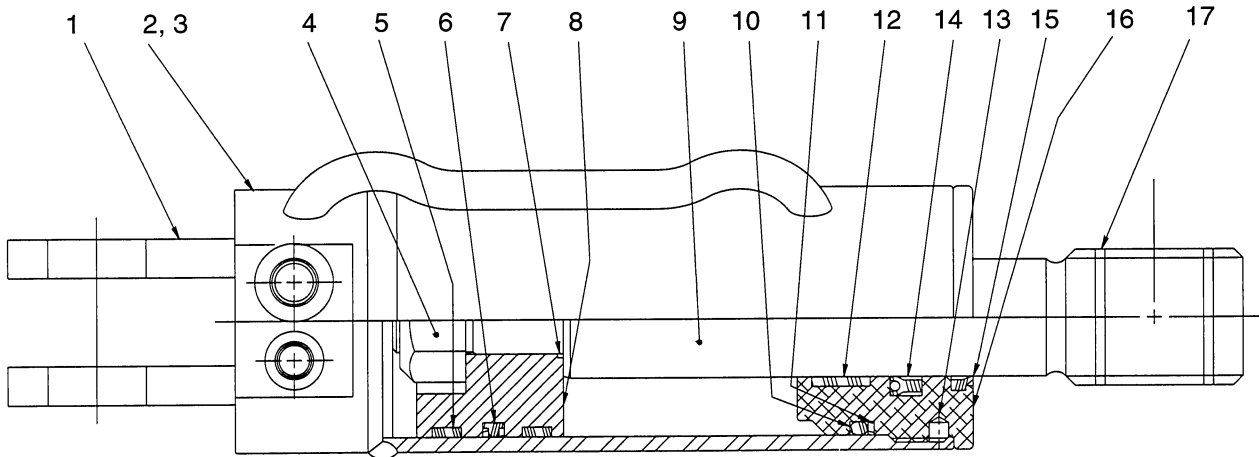
Ref.	Part No.	Description	Qty	Remarks
	212498	Generator Assembly	Ref	
1	600841	Motor	1	
2	600842	Flange	1	
3	600843	Jaw	2	
4	600844	Spider	1	
5	600845	Adapter	1	
6	600846	Generator	1	
7	600847	Voltmeter	1	
8	600848	Receptical	1	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

OSCILLATING AXLE CYLINDER

Model TA64

Issued 1-98



Ref.	Part No.	Description	Qty	Remarks
	212260	Cylinder, Oscillating Axle(Rosenboom)	Ref.	Incl. items 1 thru ??
	69332	Seal Kit	Ref.	Incl. items w/asterisk*
1	600680	Tube Weldment	1	
2	699681	Bleed Screw	1	
3	69333	Valve, Check	1	
4	68956	Nut, Lock	1	
5	*	Wear Band	2	*
6	*	T-Seal	1	*
7	*	O-Ring	1	*
8	68957	Piston	1	
9	600682	Rod Weldment	1	
10	*	O-Ring	1	
11	*	Backup Ring	1	*
12	*	Wear Band	2	*
13	68959	Locking Insert	1	
14	*	Poly Pak	1	*
15	*	Rod Wiper	1	*
16	68960	Wear Gland	1	
17	600683	Super Oilite Bearing	1	

