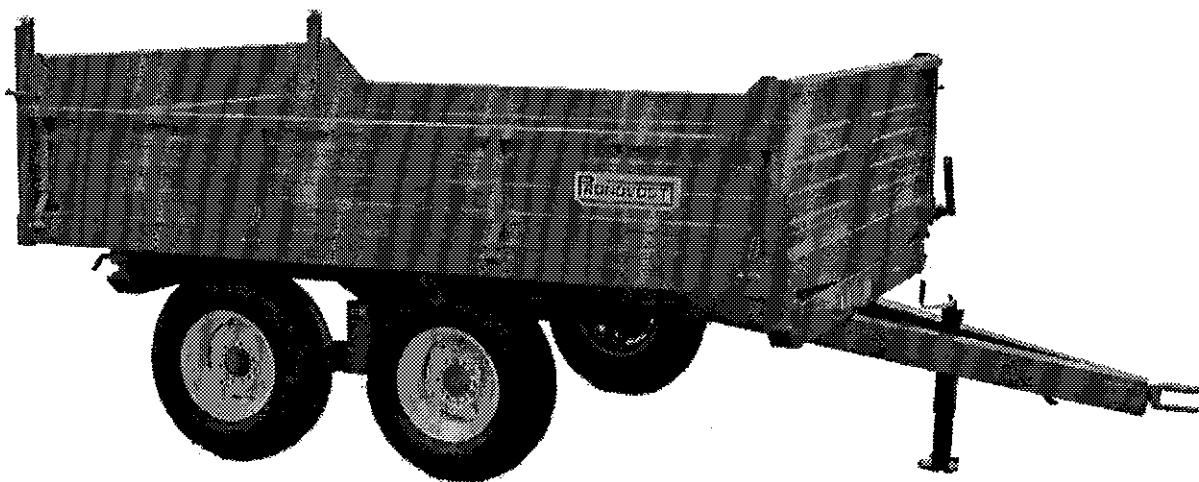


OPERATOR'S / PARTS MANUAL



Dump Trailers

Models

P-5103S/4E

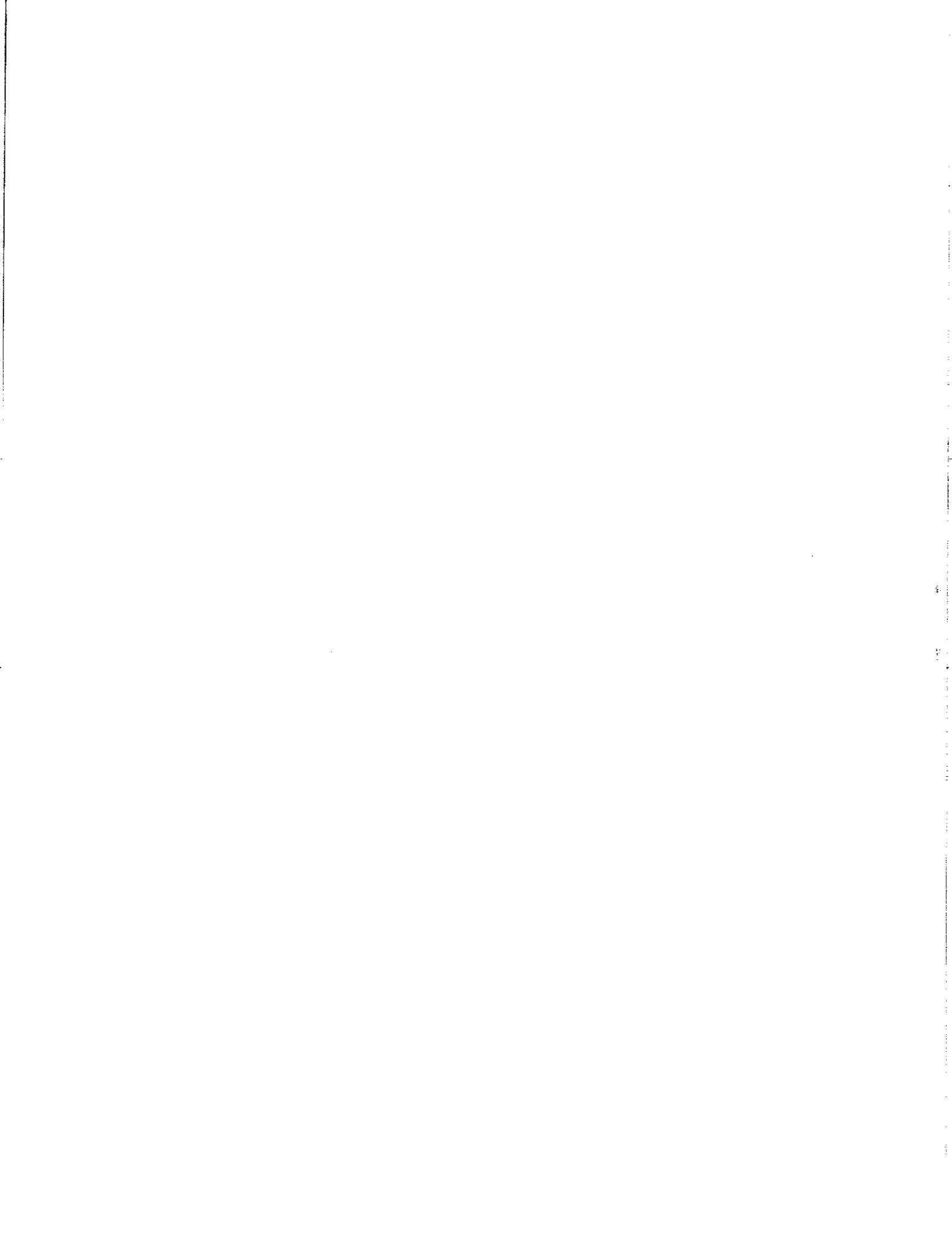
P-516/3S

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INTRODUCTION

CONGRATULATIONS!

Thank you for choosing PRONOVEST. We are confident this equipment will meet your requirements in terms of quality, performance and reliability.

This manual was prepared to assist you in the safe operation of your new Dump Trailer. It contains important information which will help you achieve excellent returns with your PRONOVEST Dump Trailer for years to come.

Please read this manual before operating your Trailer and keep it for future reference.

Before using this equipment, you or any other person who will be using it must familiarize yourself with the safety recommendations, the operating and safety instructions. Please read carefully and be sure to understand and follow all recommendations and procedures.

In this manual, the right and left sides are identified while standing at the rear end of the equipment and facing it.

If you require additional information on your Dump Trailer, please contact your PRONOVEST Dealer.

NOW take a moment to enter the model, serial number and the date of purchase of your Trailer in the space provided below.

When ordering parts from your Dealer, please refer to these numbers for a fast and efficient service. Use PRONOVEST parts for replacement.

The model and serial numbers are on the name plate shown on Fig. 1.



Figure 1

MODEL: _____

SERIAL NO: _____

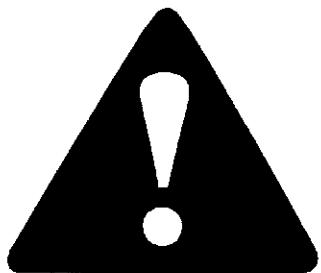
DATE OF PURCHASE: _____

SAFETY

GENERAL SAFETY

WHEN YOU SEE THIS SYMBOL

2



ATTENTION!

**BE ALERT
YOUR SAFETY IS INVOLVED**

This symbol "SAFETY ALERT" is used in this manual and on the safety decals on the Trailer. It warns you of the possibility of danger. Carefully read, understand and follow all safety recommendations before operating the equipment.

- 1) Careful operation is the best assurance against accidents. Carefully read this manual and follow all recommendations before operating this equipment. It is the owner's responsibility to make sure that anyone who will operate the Trailer will read this manual before operating the equipment.
- 2) Do not modify the equipment. Any non authorized modification may affect the efficiency and/or safety of the equipment.
- 3) Never operate the equipment with defective parts or if damaged in any way. Have it repaired before using it.
- 4) Make sure all fasteners are in place and properly secured or tightened. Refer to torque chart on page 25.
- 5) Hydraulic fluids under pressure can damage your skin. Do not use your hands to locate a leak.
- 6) Battery (with 12V hydraulic system) contains

sulfuric acid. Avoid contact with skin, eyes or clothing.

SAFETY IN OPERATION

- 1) **WARNING!** Do not overload your trailer, do not exceed the load capacity indicated in the specifications on page 12.
- 2) Be sure there are no obstructions around the equipment and that no one stands near the equipment when in use.
- 3) Do not operate an engine in a confined or non ventilated area.
- 4) Do not perform any adjustments, cleaning, maintenance or repairs with the engine running on the towing vehicle. Preferably remove the key from the ignition.
- 5) Be careful when backing-up, make sure you have good visibility.
- 6) In the case of a Highway Service Trailer, make sure the suspension, brakes and lights are all functioning properly.
- 7) Do not forget to unlock the proper panel before dumping.
- 8) With the 3-way dump trailers, do not forget to install the pins in the two ball-joints on the side you wish to dump the load, and release the adjacent panel.
- 9) Always travel at a safe operating speed following regulations and common sense. In the case of agricultural service tires, follow the manufacturer's specified safe speed. The road speed should be such as to maintain full control over steering and braking.

SAFETY (cont'd)

SAFETY WITH MAINTENANCE

- 1) Perform maintenance according to recommendations contained in this manual.
- 2) **Before performing any work under the raised platform, always install the safety support provided.**
- 3) If the trailer is hooked up to the tractor while performing maintenance work, make sure the engine is not running and preferably remove the ignition key.

SAFETY IN TRANSPORT

- 1) On public roads, use proper safety lights and check local regulations.

- 2) Be alert while driving on the road. Never carry passengers.

SAFETY IN STORAGE

2

- 1) If the trailer is to be stored for a certain period of time, install wooden blocks under the axles. THIS WILL AVOID ANY ACCIDENTAL CRUSHING OF ANIMALS OR ANYONE WHO COULD CRAWL UNDER THE EQUIPMENT.

DECALS

SAFETY DECALS

The safety decals are affixed wherever special safety precautions are indicated. Locate them on the equipment and read them carefully. If a decal is damaged, lost or illegible, install a new one. The following photos indicate where each one must be installed.

3

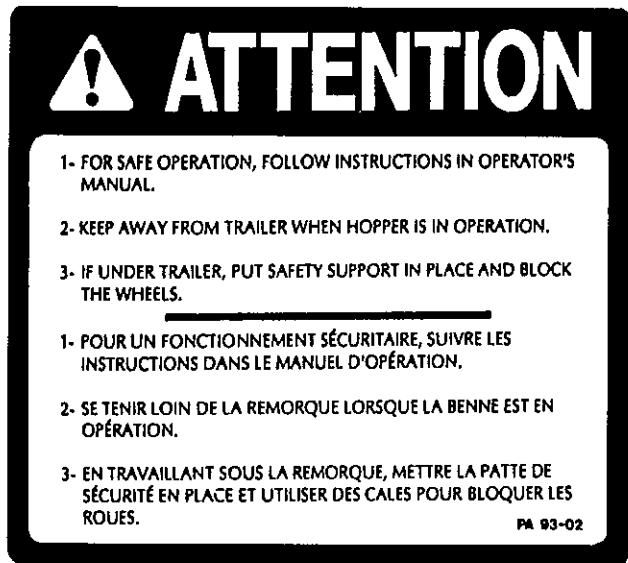


Figure 2
Decal A

Part no.: A110

MAINTENANCE DECALS

The maintenance decals indicate the points requiring lubrication. Refer to maintenance section for more details.

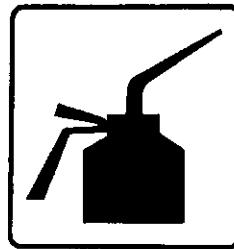


Figure 4

Part no.: A 105



Figure 5

Part no.: A 106

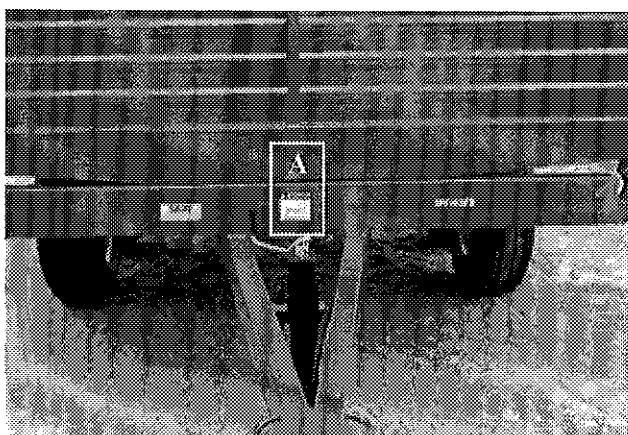


Figure 3

START-UP

BASIC START-UP PROCEDURES

- 1) Lubricate all grease fittings with a good quality multiuse grease.
- 2) Lubricate panel release mechanism, front and rear with good quality oil.
- 3) Adjust tire pressure to manufacturer's specifications.
- 4) Install wheels on hubs.
- 5) Install panels.
- 6) Install all hydraulic hoses and fittings compatible with your equipment.

- 7) Verify for adequate tightness of all fastening devices. Refer to torque chart on page 25.
- 8) Operate the hydraulic system a few times, raising and lowering the platform in order to remove any trapped air in the system. Then check the oil level in the tractor's hydraulic oil reservoir.
- 9) With the 3-way dump trailer, the ball-joint pins are usually installed in a "X" configuration to prevent tipping during handling. They must be installed on the side you wish to dump the load.
ATTENTION: Never use the "X" configuration when using your Dump Trailer.
- 10) Do not forget to unlock the proper panel before dumping.

4

MAINTENANCE

Before performing any work under the raised platform, always install the safety support provided.

- 1) Wipe off all grease fittings with a clean cloth before adding grease in order to avoid injecting dirt or sand.
- 2) Repair or replace damaged grease fittings.
- 3) Lubricate all grease fittings every 20 hours of operation.
- 4) Check all bolts on wheels after first 5 hours of operation and then every 50 hours of operation.
- 5) Lubricate panel release mechanism, front and rear, every 20 hours of operation.
- 6) Check tire pressure every 50 hours of operation, adjust according to manufacturer's recommendation indicated on the tires.
- 7) Check brakes once a year and adjust or repair if necessary.
- 8) Open, clean and lubricate wheel bearings once a year.
- 9) Check all nuts and bolts once a year. If necessary use torque chart on page 25.

STORAGE

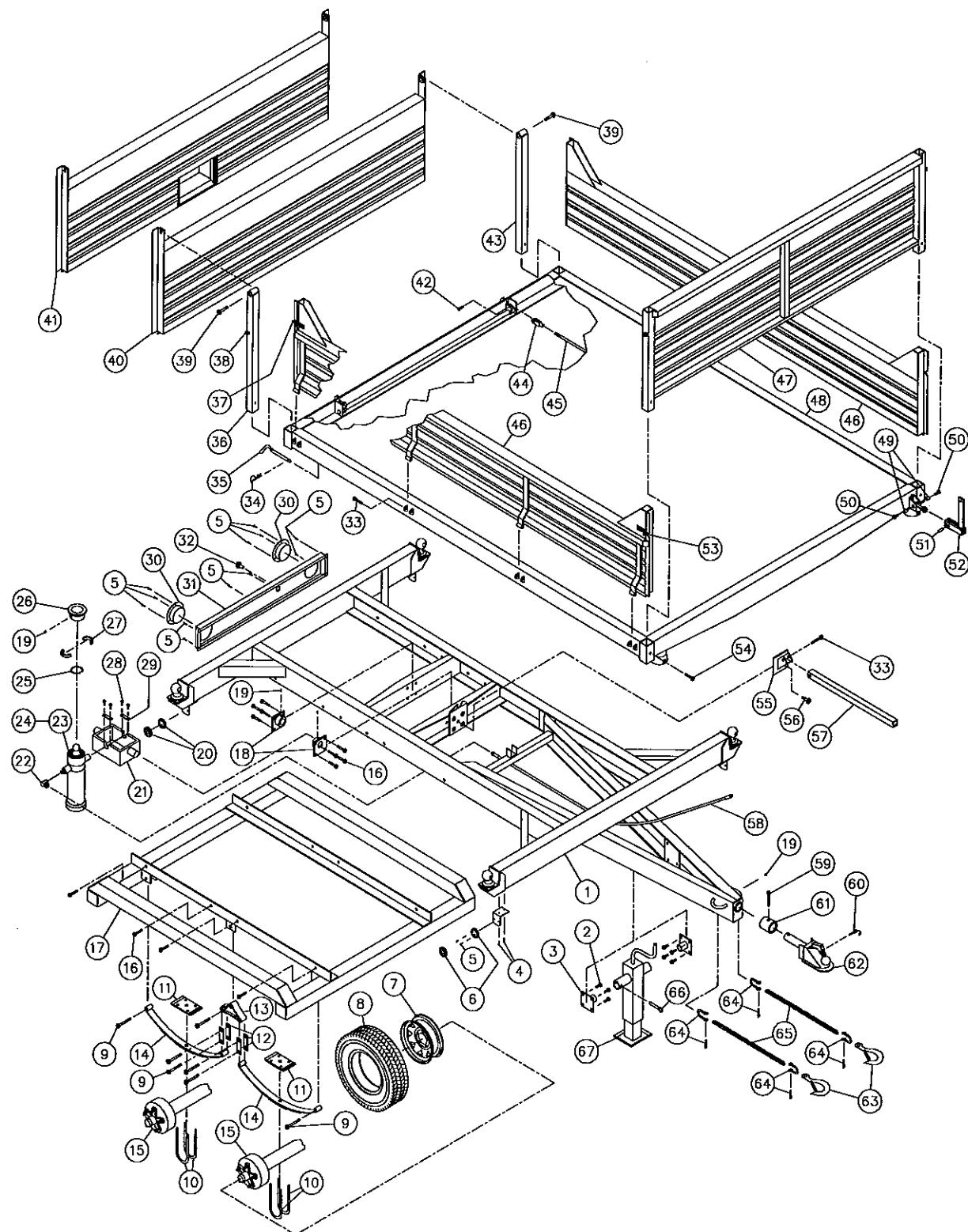
- 1) Store in a cool, dry place.
- 2) Install wooden blocks under the axles to keep the tires off the ground and cover them if left exposed to the sun.
- 3) Keep all piston rods in the retracted position. This will assure better protection against the elements.
- 4) Clean your trailer.
- 5) Thoroughly inspect all parts of the trailer. Replace or repair worn or defective parts.
- 6) Touch-up or repaint if necessary.
- 7) Lubricate all points before storage.

SPECIFICATIONS

SERVICE	AGRICULTURAL	HIGHWAY
MODEL	P-516/3S	P-5103S/4E
Capacity	8 tons	5 tons
Box (dimensions)	7'5" x 10' x 3/16"	7'5" x 10' x 3/16"
Side panel (removable)	16" x 12G	16" x 12G
Front/back panel (removable)	24" x 12G	24" x 12G
Platform height	35"	35"
Overall length	14'	14'
Overall width	7'11"	7'11"
Overall height	5'2"	5'2"
Free height / maximum lift	20"	20"
Thread width	75"	78"
Dumping angle (back)	45°	45°
Dumping angle (2 sides)	45°	45°
Axle	Tandem	Tandem
Suspension	--	Springs
Grain door (8" x 12")	option	option
Hubs	6 bolts	5 bolts
Hub capacity	5000 lbs	--
Spindles	2"	--
Wheels	4	4
Wheel dimensions	15" x 8"	15" x 6"
Tires (standard)	11L15 (8 ply)	ST-225/75R15
Hitch: clevis/swivel	standard	option
Hitch: ball coupler (2 5/16")	option	standard
Electric brakes	--	standard
Hitch weight (empty)	260 lbs	125 lbs
Total weight	1980 lbs	1850 lbs
Light system (12 V)	--	standard
Oil / volume required	5.2 L	5.2 L
Cylinder	1 single acting	1 single acting
Security chain	option	standard
Electric power pack	option	option
Battery rack	option	standard

Design and specifications subject to change without notice.

DUMP TRAILER P-5103S/4E



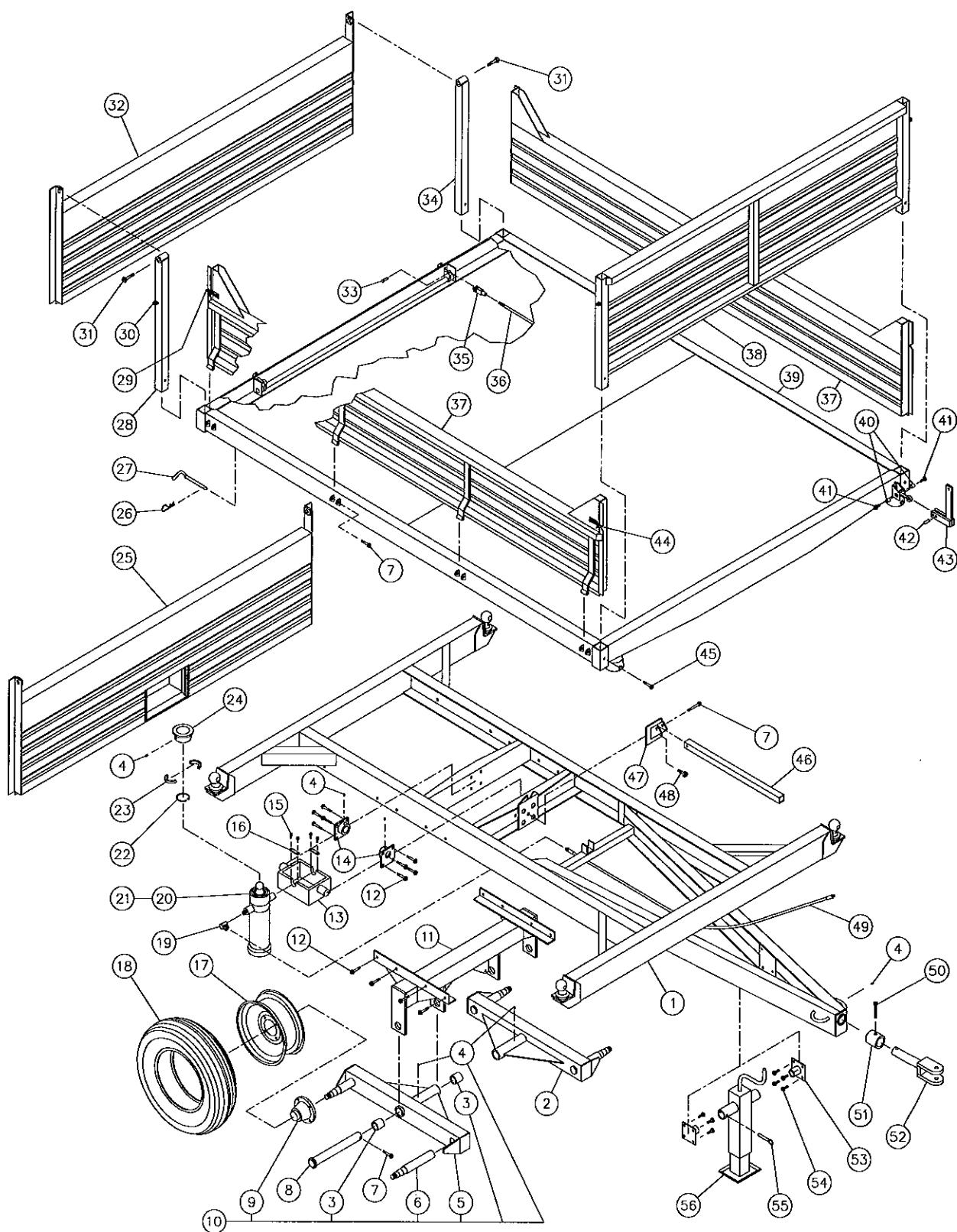
DUMP TRAILER P-5103S/4E (cont'd)

REF.	PART #	DESCRIPTION	QTY
1	---	Frame	1
2	Std.	Bolt 7/16" NC x 1 1/4" lg + nylon locknut	8
3	51458	Jack support plate	2
4	Std.	Teck screw 10-16 x 3/4" lg	20
5	Std.	Bolt 6 - 32 x 1/2" lg + nylon locknut	8
6	51598	Front clearance lamp (amber)	2
7	RM-1565	Rim 15" x 6" - 6 bolts	4
8	PN-22575R15	Tire ST 225/75 R15	4
9	Std.	Bolt 9/16" NC x 3" lg + nylon locknut	14
10	Std.	"U" bolt 1/2" NF x 3" x 7" + 2 nylon locknut	8
11	51599	Spring back plate	4
12	51601	Pivot plate 3"	8
13	51483	Pivot 4" x 6"	2
14	51484	Springs 3/8" x 1 3/4" x 25 1/4" center	4
15	51485	Road axle with hub and brakes (source locally)	2
16	Std.	Bolt 1/2" NC x 1 1/2" lg + nylon locknut	16
17	110-07841	Highway running gear support	1
18	51507	Pivot plate	2
19	Std.	Grease fitting 1/4"-28 straight	5
20	51603	Rear clearance lamp (red)	2
21	51476	Cylinder gimbal	1
22	51505	Elbow (swivel) 9455- 8x8	1
23	51478	Telescopic cylinder 5 sections (see detail page 21)	1
24	51479	Repair kit for cylinder no. 51478	1
25	51480	Retaining ring	1
26	51482	Ball-joint seat (welded)	1
27	51481	Locking segments for ball-joint	2
28	51573	Metric bolt 8x20x1.25 mm	4
29	51477	Retaining plate for cylinder gimbal	2
30	51604	Rear signal light	2
31	110-06681	Support for rear signal lights	1
32	51605	Light for license plate	1
33	Std.	Bolt 1/2" NC x 3" lg + nylon locknut	9
34	Std.	Hitch pin clip 5/32"	2
35	51577	Pin for platform pivot	2
36	110-03901	Right rear stake	1
37	51584-G	Side panel lock (L.H.) (welded)	2
38	51583	Ring for side panel lock (welded)	4
39	Std.	Bolt 3/4" NC x 4 1/2" lg + nylon locknut	2
40	110-03891	Standard rear panel	1
41	120-00681	Rear panel with grain door	1
42	51436	Pin 1/2" x 1 37/64" lg	1
43	110-03902	Left rear stake	1
44	51435	Clevis 1/2" - 20 NF + nut	1
45	110-07801	Rod 1/2" for rear panel lock	1
46	110-07811	Side panel	2
47	110-07821	Front panel	1
48	---	Platform	1
49	51474	Spacer 33/64" i.d. x 27/32" o.d. x 1/2" lg	2
50	Std.	Bolt 1/2" NC x 1" lg + flat washer & lock washer	2

DUMP TRAILER P-5103S/4E (cont'd)

REF.	PART #	DESCRIPTION	QTY
51	51434	Pin 1/2" x 1 1/4" lg	1
52	51521	Lever for rear locking mechanism	1
53	51584-D	Side panel lock (R.H.) (welded)	2
54	Std.	Bolt 7/16" NC x 3 1/2" lg + nylon locknut	4
55	110-07831	Safety support bracket	1
56	Std.	Bolt 5/8" NC x 1 1/2" lg + nylon locknut	1
57	160-04011	Safety bar	1
58	190-02151	Hose 3/8" x 156" lg	1
59	Std.	Bolt 5/8" NC x 3 1/2" lg + nylon locknut	1
60	8112	Lock pin 1/4"	1
61	51410	Ring	1
62	51486	Ball hitch 2 5/16" ø	1
63	51608	Hook (1 ton) with safety lock	2
64	Std.	Shackle clevis 3/8"	4
65	190-02101	Chain 3/8" x 24" lg clas 70	2
66	51466	Pin for jack	1
67	51459	Jack PC-3012 (see detail page 24)	1

DUMP TRAILER P-516/3S



DUMP TRAILER P-516/3S (cont'd)

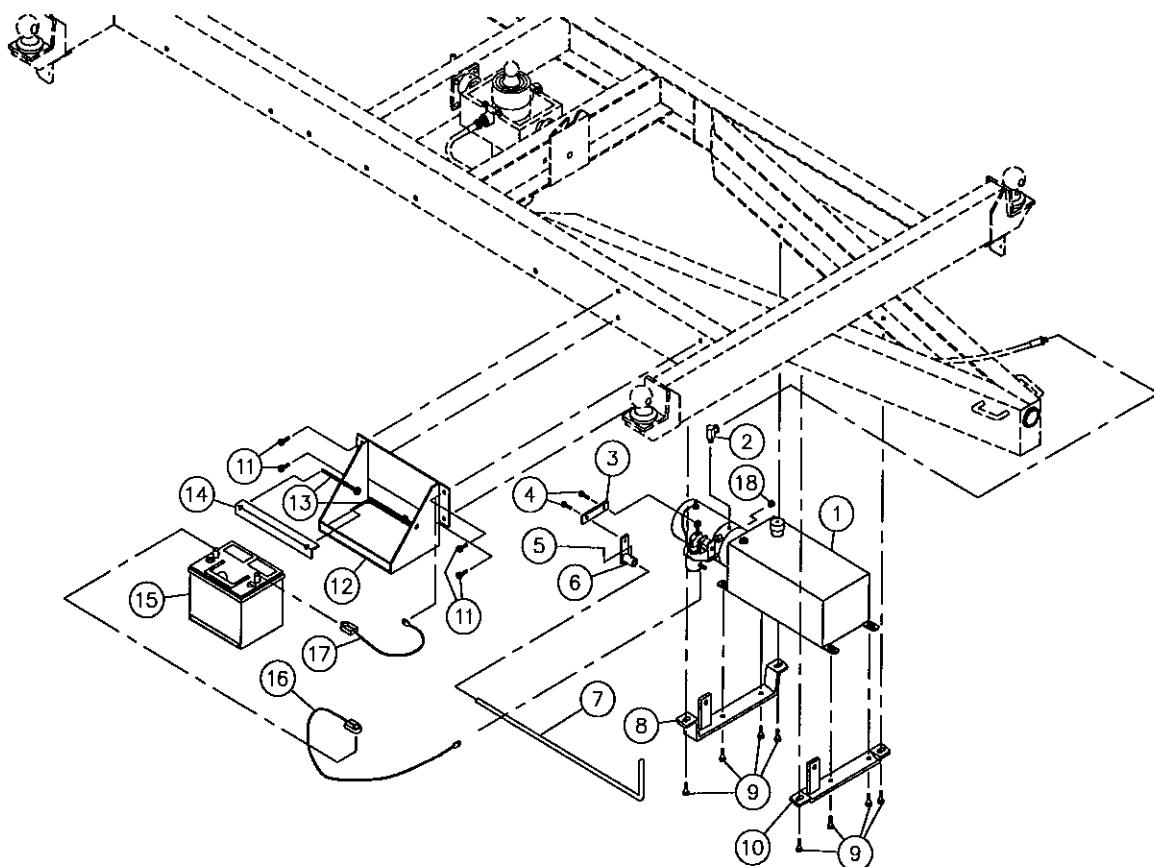
REF.	PART #	DESCRIPTION	QTY
1	---	Frame	1
2	51438	Left tandem frame	1
NI*	51403	Left tandem assembly	1
3	51405	Brass bushing 1 $\frac{3}{4}$ " i.d. x 2" o.d. x 2" lg	4
4	Std.	Grease fitting 1/4"-28 straight	7
5	51439	Right tandem frame	1
6	150-00311	Axle 2" ø (welded)	4
7	Std.	Bolt 1/2" NC x 3" lg + nylon locknut	11
8	110-00011	Pin for tandem	2
9	51441	Hub # H-5000 complete (see details page 20)	4
10	51404	Right tandem assembly	1
11	110-00221	Cross-beam	1
12	Std.	Bolt 1/2" NC x 1 $\frac{1}{2}$ " lg + nylon locknut	16
13	51476	Cylinder gimbal	1
14	51507	Pivot plate	2
15	51573	Metric bolt 8 x 20 x 1.25 mm.....	4
16	51477	Retaining plate for cylinder gimbal	2
17	R-1586	Rim 15" x 8" - 6 holes	4
18	PN-11L15	Tire 11L15 - 8 ply with tube	4
19	51505	Elbow (swivel) 9455-8x8	1
20	51478	Telescopic cylinder 5 sections (see details page 21)	1
21	51479	Repair kit for cylinder no. 51478	1
22	51480	Retaining ring	1
23	51481	Locking segments for ball-joint	2
24	51482	Ball joint seat (welded)	1
25	120-00681	Rear panel with grain door	opt.
26	Std.	Hitch pin clip 5/32"	2
27	51577	Pin for platform pivot	2
28	110-03901	Right rear stake	1
29	51584-G	Side panel lock (L.H.) (welded)	2
30	51583	Ring for side panel lock (welded)	4
31	Std.	Bolt 3/4" NC x 4 1/2" lg + nylon locknut	2
32	110-03891	Standard rear panel	1
33	51436	Pin 1/2" ø x 1 37/64" lg	1
34	110-03902	Left rear stake	1
35	51435	Clevis 1/2" - 20 NF + nut	1
36	110-07801	Rod 1/2" for rear panel lock	1
37	110-07811	Side panel	2
38	110-07821	Front panel	1
39	---	Platform	1
40	51474	Spacer 33/64" d.i. x 27/32" d.e. x 1/2" lg	2
41	Std.	Bolt 1/2" NC x 1" lg + flat washer & lock washer	2
42	51434	Pin 1/2" x 1 $\frac{1}{4}$ " lg	1
43	51521	Lever for rear panel locking mechanism	1
44	51584-D	Side panel lock (R.H.) (welded)	2
45	Std.	Bolt 7/16" NC x 3 1/2" lg + nylon locknut	4
46	160-04011	Safety support	1
47	110-07831	Safety support bracket	1
48	Std.	Bolt 5/8" NC x 1 $\frac{1}{2}$ " lg + nylon locknut	1
49	190-02151	Hose 3/8" x 156" lg	1

DUMP TRAILER P-516/3S (cont'd)

REF.	PART #	DESCRIPTION	QTY
50	Std.	Bolt 5/8" NC x 3½" lg + nylon locknut	1
51	51410	Ring	1
52	51409	Swivel hitch	1
53	51458	Jack mounting plate	2
54	Std.	Bolt 7/16" NC x 1 1/4" lg + nylon locknut	8
55	51466	Pin for jack	1
56	51459	Jack PC-3012 (see detail page 24)	1

*NI = Not illustrated

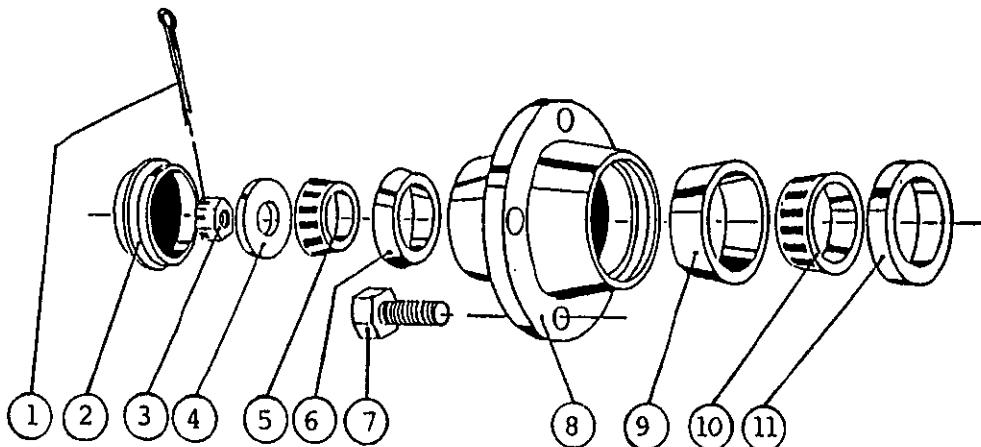
ELECTRIC HYDRAULIC PUMP P-516/3S-PHE



REF.	PART #	DESCRIPTION	QTY
1	613-00000	Electric hydraulic pump	1
2	666-11515	Fitting 90° (9045x6x6)	1
3	140-05011	Connecting rod	1
4	Std.	Bolt 5/16" NC x 1 1/4" lg + nylon locknut	2
5	Std.	Roll pin 1/8" x 1"	1
6	110-06801	Pivot	1
7	150-00541	Handle 26" lg	1
8	110-07861	Rear support (for pump)	1
9	Std.	Bolt 3/8" NC x 1 1/2" lg + nylon locknut & flat washer	8
10	110-07851	Front support (for pump)	1
11	Std.	Bolt 3/8" NC x 1" lg + nylon locknut	4
12	110-06771	Battery holder	1
13	110-04841	Threaded rod + 1 nylon locknut 3/8" NC + 1 nylon locknut 7/16" NC	2
14	130-05751	Angle	1
15	--	Battery 12 volts	opt
16	51606	Battery cable 4G x 30" lg	1
17	51607	Battery cable 4G x 10" lg	1
18	669-00600	Cap 1/4" NPTM	1

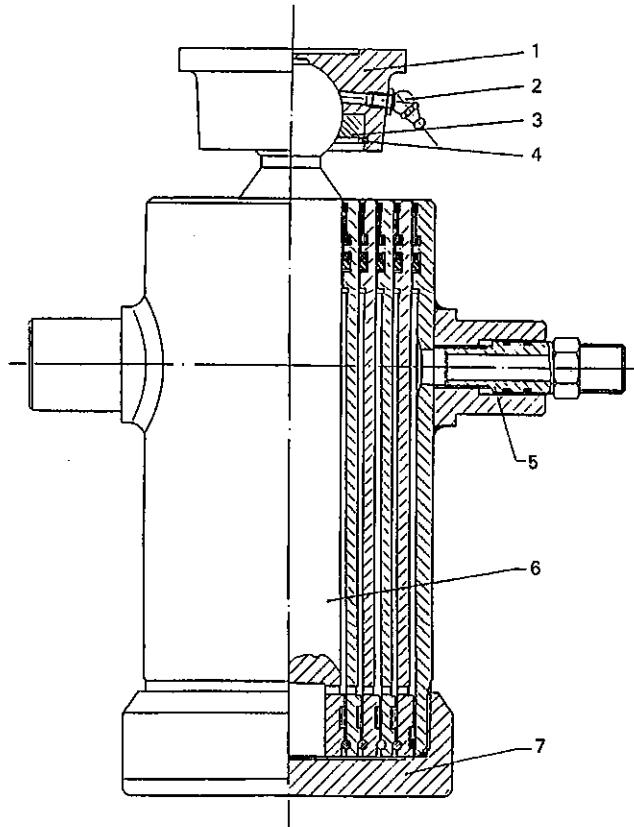
8

HUB H5000



REF.	PART #	DESCRIPTION	QTY
1		Std. Cotter pin 5/32" x 1 1/2"	1
2	51417	Dust cap 2.570" Ø	1
3	51442	Castle nut 7/8" NF	1
4		Std. Flat washer 7/8"	1
5	51416	Roller bearing Timken: cone no. 4T-LM48548	1
6	51415	Roller bearing Timken: cup no. 4T-LM48510	1
7	51418	Rim screw 9/16"	6
8	51414	Hub only H5000	1
9	51413	Roller bearing Timken: cup no. 4T-LM603011	1
10	51412	Roller bearing Timken: cone no. 4T-LM603049	1
11	51443	Oil seal no. CR20044	1

TELESCOPIC CYLINDER # 51478



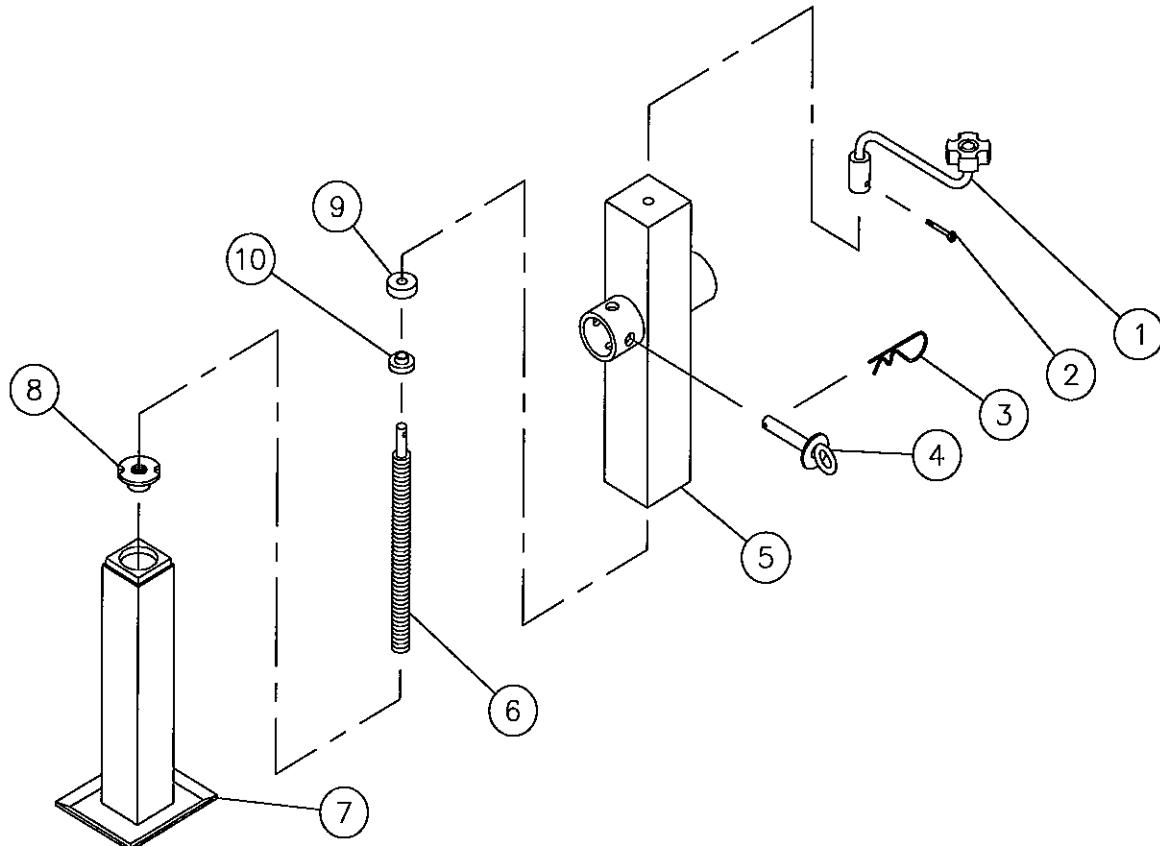
REF.	PART #	DESCRIPTION	QTY
1	51482	Ball joint seat (welded).....	1
2	Std.	Grease fitting 1/4"-28 straight	1
3	51481	Locking segments for ball-joint 2 7/8"	1
4	51480	Retaining ring 2 5/8" int.	1
5	51586	Connector	1
6	51487	Piston with ball	1
7	51489	Threaded cylinder base	1
NI*	51488	Repair kit for cylinder	1
NI*	51589	Seal kit for connector	1

*NI= Not illustrated

* Some parts might not be available separately.

8

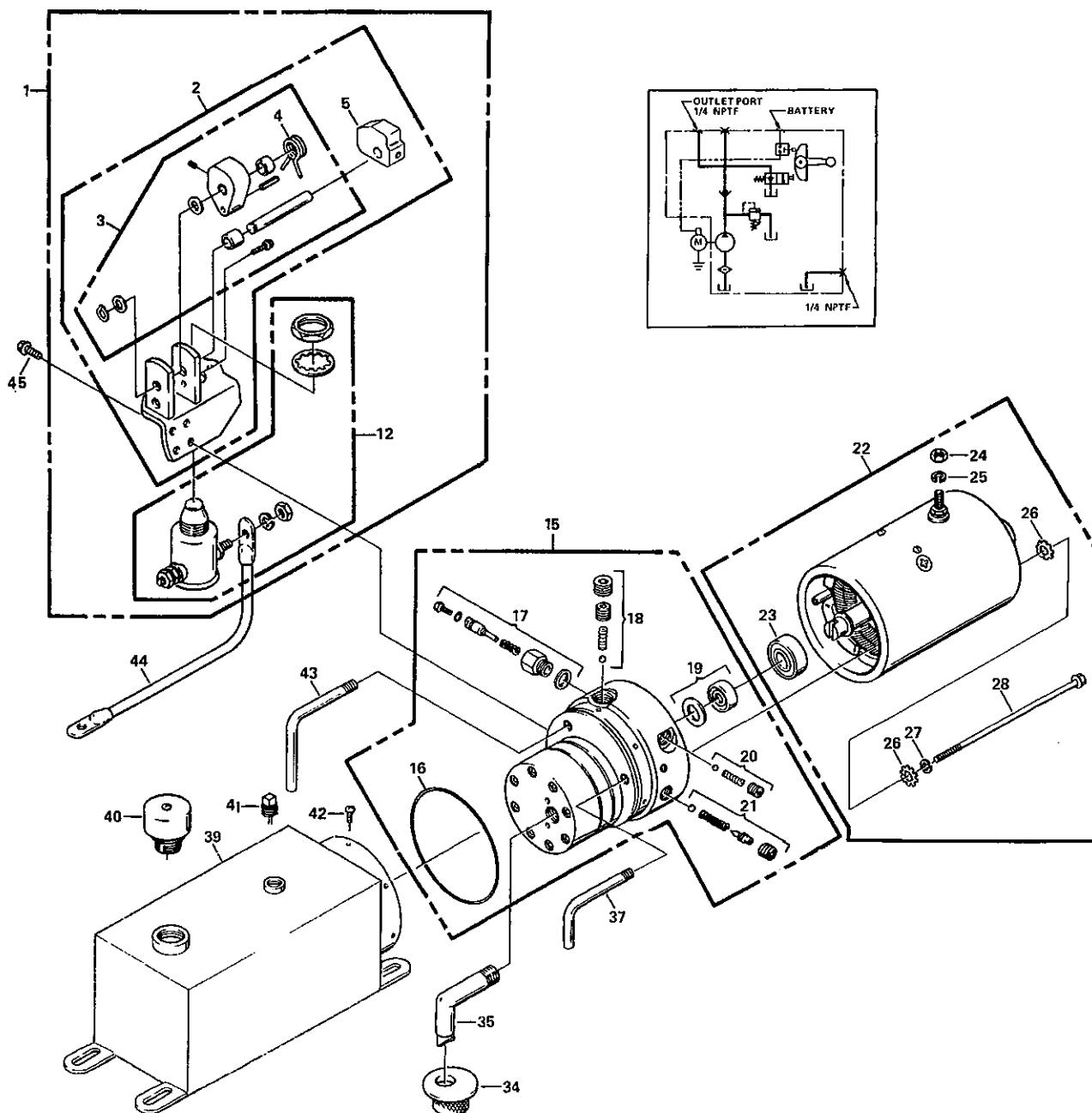
JACK PC-3012 # 51459



REF.	PART #	DESCRIPTION	QTY
1	51462	Hand crank	1
2	Std.	Bolt 1/4" NC x 1 1/4" lg + nylon locknut	1
3	Std.	Hitch pin clip 5/32"	1
4	51466	Pin 5/8" x 3 1/2"	1
5	51460	Jack external part	1
6	51465	Acme screw 7/8"-8 x 13" lg	1
7	51461	Jack support	1
8	51464	Acme nut 7/8"-8 (brass)	1
9	51475	Ball bearing	1
10	150-00121	Ball bearing support	1

8

POWER PACK # 613-00000



8

POWER PACK # 613-00000 (cont'd)

REF.	PART #	DESCRIPTION	QTY
1	51537	Bracket assembly with mounting plate and start switch	1
2	51538	Bracket assembly with mounting plate	1
3	51539	Bracket assembly only	1
4	51540	Torsion spring	1
5	51541	Block	1
12	51542	Start switch	1
15	51543	Pump assembly (gear code 05)	1
16	51544	Industrial o-ring (3 5/8" x 3 7/8" x 1/8")	1
17	51545	Plunger	1
18	51546	Main check valve	1
19	51547	Seal and gasket	1
20	51548	Descending check valve	1
21	51549	Relief valve	1
22	51550	Electric motor 12V DC	1
23	51551	Ball bearing	1
24	Std.	Nut 5/16"-24	1
25	Std.	Lock washer 5/16"	1
26	Std.	Star washer 1/4"	4
27	Std.	Lock washer 1/4"	2
28	Std.	Bolt 1/4"-20 x 6 1/2"	2
34	51552	Filter	1
35	51553	Filter (suction tube) 3/8" NPT 90°	1
37	51554	Return tube 1/8"	1
39	51555	Reservoir 6 1/4" x 7" x 15", 510 in³ usable	1
40	51556	Vent plug	1
41	51557	Square head plug	1
42	Std.	Screw 10-24 x 3/8"	6
43	51558	Return tube (1/8 NPT)	1
44	51559	Insulated cable with lugs 9" 6 gauge	1
45	Std.	Flange hex. head screw (tap tide) 1/4"-20 x 5/8"	4

* Some parts might not be available separately.

TORQUE CHART

TORQUE SPECIFICATION TABLE

Thread UNC and UNF		Grade 2				Grade 5						Grade 8*					
Bolt size		Torque				Torque				Torque				Torque			
Inches	mm	Pound feet min.	Pound feet max.	Newton meters min.	Newton meters max.	Pound feet min.	Pound feet max.	Newton meters min.	Newton meters max.	Pound feet min.	Pound feet max.	Newton meters min.	Newton meters max.	Pound feet min.	Pound feet max.	Newton meters min.	Newton meters max.
1/4	6.35	5	6	6.8	8.13	9	11	12.2	14.9	12	15	16.3	30.3				
5/16	7.94	10	12	13.6	16.3	17	20.5	23.1	27.8	24	29	32.5	39.3				
3/8	9.53	20	23	27.1	31.2	35	42	47.5	57.0	45	54	61.0	73.2				
7/16	11.11	30	35	40.7	47.4	54	64	73.2	86.8	70	84	94.9	113.9				
1/2	12.70	45	52	61.0	70.5	80	96	108.5	130.2	110	132	149.2	179.0				
9/16	14.29	65	75	88.1	101.6	110	132	149.2	179.0	160	192	217.0	260.4				
5/8	15.88	95	105	128.7	142.3	150	180	203.4	244.1	220	264	298.3	358.0				
3/4	19.05	150	185	203.3	250.7	270	324	366.1	439.3	380	456	515.3	618.3				
7/8	22.23	160	200	216.8	271.0	400	480	542.4	650.9	600	720	813.6	976.3				
1	25.40	250	300	338.8	406.5	580	696	786.5	943.8	900	1080	1220.4	1464.5				
1 1/8	25.58	-	-	-	-	800	880	1084.8	1193.3	1280	1440	1735.7	1952.6				
1 1/4	31.75	-	-	-	-	1120	1240	1518.7	1681.4	1820	2000	2467.9	2712.0				
1 3/8	34.93	-	-	-	-	1460	1680	1979.8	2278.1	2380	2720	3227.3	3688.3				
1 1/2	38.10	-	-	-	-	1940	2200	2630.6	2983.2	3160	3560	4285.0	4827.4				

* Thick nuts must be used with grade 8 bolts.

Size of screw	Thread	Pitch (mm)	Grade 4T				Grade 7T				Grade 8T			
			Torque		Torque		Torque		Torque		Torque		Torque	
			Pound feet min.	Pound feet max.	Newton meters min.	Newton meters max.	Pound feet min.	Pound feet max.	Newton meters min.	Newton meters max.	Pound feet min.	Pound feet max.	Newton meters min.	Newton meters max.
M6	UNC	1.00	3.6	5.8	4.9	7.9	5.8	9.4	7.9	12.7	7.2	10	9.8	13.6
M8	UNC	1.25	7.2	14	9.8	19	17	22	23	29.8	20	26	27.1	35.2
M10	UNC	1.5	20	25	27.1	33.9	34	40	46.1	54.2	38	46	51.5	62.3
M12	UNC	1.75	28	34	37.9	46.1	51	59	69.1	79.9	57	66	77.2	89.4
M14	UNC	2.0	49	56	66.4	75.9	81	93	109.8	126	96	109	130.1	147.7
M16	UNC	2.0	67	77	90.8	104.3	116	130	157.2	176.2	129	145	174.8	196.5
M18	UNC	2.0	88	100	119.2	136	150	168	203.3	227.6	175	194	237.1	262.9
M20	UNC	2.5	108	130	146.3	176.2	186	205	252	277.8	213	249	288.6	337.4
M8	UNF	1.0	12	17	16.3	23	19	27	25.7	36.6	22	31	29.8	42
M10	UNF	1.25	20	29	27.1	39.3	35	47	47.4	63.7	40	52	54.2	70.5
M12	UNF	1.25	31	41	42	55.6	56	68	75.9	92.1	62	75	84	101.6
M14	UNF	1.5	52	64	70.5	86.7	90	106	122	143.6	107	124	145	168
M16	UNF	1.5	69	83	93.5	112.5	120	138	162.6	187	140	158	189.7	214.1
M18	UNF	1.5	100	117	136	158.5	177	199	239.8	269.6	202	231	273.7	313
M20	UNF	1.5	132	150	178.9	203.3	206	242	279.1	327.9	246	289	333.3	391.6

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Use the above torques when special torque is not given.

NOTE: These values apply to fasteners as received from supplier, dry, or when lubricated with normal engine oil. They do not apply if extreme pressure lubricants are used.

WARRANTY

PRONOVEST warrants this product to the initial purchaser for the period of one year from the date of purchase against defects in materials and workmanship.

We will replace or repair defective parts free of charge if they are returned to our plant in St-Tite, Quebec, Canada.

Transportation charges are the responsibility of the customer. This warranty is not transferable.

Hydraulic cylinders are covered by the manufacturer of these items.

All PRONOVEST spare parts purchased are covered by a three (3) month warranty.

This warranty becomes void and nul if the equipment is modified, breaks down as the result of an accident, is not operated according to manufacturer's recommendations, damaged by negligence or if maintenance has not been carried out as specified.

Our obligation is limited to the replacement or repair of the defective part. PRONOVEST accepts no responsibility for direct or indirect consequential damages of any kind.



Ce manuel est aussi disponible en français.
Veuillez téléphoner.



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