SKYJACK™

MAINTENANCE & PARTS MANUAL

SJIII Series

The Conventionals

Models 3220, 3226, 4620, 4626 And 4632

For Service please call ***800 275-9522***
Skyjack Inc. Service Center, 3451 Swenson Ave., St. Charles, IL. 60174 .... *FAX 630 262-0006*
For Parts in North America and Asia please call ***800 965-4626***
Skyjack Inc. Parts Center, 3451 Swenson Ave., St. Charles, IL. 60174 ..... *FAX 888 782-4825*
For Parts & Service in Europe please call 44-1691-676 236
Skyjack Europe Glovers Meadow, Maesbury Road,Oswestry, Shropshire, UK ..... *FAX* 44-169- 676 238

129919AJ Printed in Canada Feb 2014

USE THE SERIAL NUMBER OF YOUR MACHINE TO DETERMINE THE CORRECT OPERATING MANUAL TO USE						
Manual Part #		117128AE	118940AN	122909AG	129919AI	
Release Date		May 1999	April 2004	April 2004	June 2008	
MODEL	3220	609330 & BELOW	609331 To 613550	613551 To 615766	615767 to 620094	60 000 001 & ABOVE
	3226	Not Used	27014 To 28042 28048 To 28117	28043 To 28047 28118 To 272099	272100 to 279956	27 000 001 & ABOVE
	4620	66429 & BELOW	66430 To 66889	Not Used	710000 to 719126	70 000 001 & ABOVE
	4626	704418 & BELOW	704419 To 709588			
	4632	Not Used	Not Used			
	4830/32	86982 & BELOW	86983 To 871159		Not Used	Not Used
	6826	75517 & BELOW	75518 To 75635			
	6832	82402 & BELOW	82403 To 83108			
	3220M	Not Used	Not Used			
	3226M					

Release Date		129926AF		129945AB	143842AA Parts Manual (Soft Metric)
		April 2007		April 2007	July 2007
MODEL	3220	Not Used	Not Used	Not Used	Not Used
	3226				
	4620				
	4626				
	4632				
	4830/32				
	6826	75636 to 75664	75 000 001 & ABOVE		
	6832	83109 to 83311	80 000 001 & ABOVE		
	3220M	Not Used	Not Used	M600 000 to M600546	M60 000 001 to M60 000 100
	3226M			M270 000 to M270842	M27 000 001 to M27 000 100

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The Safety Alert Symbol identifies important safety messages on aerial platforms, safety signs in manuals or elsewhere. When you see this symbol, be alert to the possibility of personal injury or death. Follow the instructions in the safety message.

This Safety Alert Symbol means attention!

Become alert! Your safety is involved.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION indicates a potentionally hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

IMPORTANT

IMPORTANT indicates a procedure essential for safe operation and which, if not followed, may result in a malfunction or damage to the aerial platform.

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SKYJACK is continuously improving and expanding product features on its equipment, therefore, specifications and dimensions are subject to change without notice.

Aerial Platform Definition
A mobile device that has an adjustable position platform supported from ground level by a structure.

Purpose of Equipment
The SKYJACK SJIII series aerial platforms are designed to transport and raise personnel, tools and materials to overhead work areas.

Use of Equipment
The aerial platform is a highly maneuverable, mobile work station. Lifting and driving must be on a flat, level, compacted surface.

Manuals

Operating

The operating manual is considered a fundamental part of the aerial platform. It is a very important way to communicate necessary safety information to users and operators. A complete and legible copy of this manual must be kept in the provided weather-resistant storage compartment on the aerial platform at all times.

Maintenance & Parts

The purpose of this is to provide the customer with the servicing and maintenance procedures essential for the promotion of proper machine operation for its intended purpose.

All information in this manual should be read and understood before any attempt is made to service the machine. The updated copy of the manuals are found on the company's website: www.skyjack.com.

Operator
The operator must read and completely understand both this operating manual and the safety panel label located on the platform and all other warnings in this manual and on the aerial platform. Compare the labels on the aerial platform with the labels found within this manual. If any labels are damaged or missing, replace them immediately.

Service Policy and Warranty
SKYJACK warrants each new SJIII Series work platform to be free of defective parts and workmanship for the first 12 months. Any defective part will be replaced or repaired by your local SKYJACK dealer at no charge for parts or labor. Contact the SKYJACK Service Department for warranty statement extensions or exclusions.

Optional Accessories
The SKYJACK aerial platform is designed to accept a variety of optional accessories. These are listed under "Standard and Optional Features" in Table 2.1 of the Operating Manual.

Operating instructions for these options **(if equipped)** are located in Section 2 of the Operating Manual.

For options not listed under "Standard and Optional Features," contact the SKYJACK Service Department at

North America:
☎ : 800 275-9522
🖷 : 630 262-0006

Europe:
☎ : 44 1691-676-235
🖷 : 44 1691-676-239

Include the model and serial number for each applicable machine.

Scope of this Manual

a. **This manual** applies to the ANSI/SIA, CSA and CE versions of the SJIII series aerial platform models listed on Table 2-1a and Table 2-1b.

- **Equipment identified** with “ANSI” meets the ANSI SIA-A92.6-1999 standard.

- **Equipment identified** with “CSA” meets the CSA B354.2-01 standard.

- **Equipment identified** with “CE” meets the requirements for the European countries, i.e., Machinery Directive 98/37/EC and EMC Directive 89/336/EEC and the corresponding EN standards.

b. **CSA (Canada) and CE (Europe)**
Operators are required to conform to national, territorial/provincial and local health and safety regulations applicable to the operation of this aerial platform.

c. **ANSI/SIA (United States)**
Operators are required by the current ANSI/SIA A92.6 standards to read and understand their responsibilities in the manual of responsibilities before they use or operate this aerial platform.

WARNING

Failure to comply with your required responsibilities in the use and operation of the aerial platform could result in death or serious injury!

Operator Safety Reminders

A study conducted by St. Paul Travelers showed that most accidents are caused by the failure of the operator to follow simple and fundamental safety rules and precautions.

You, as a careful operator, are the best insurance against an accident. Therefore, proper usage of this aerial platform is mandatory. The following pages of this manual should be read and understood completely before operating the aerial platform.

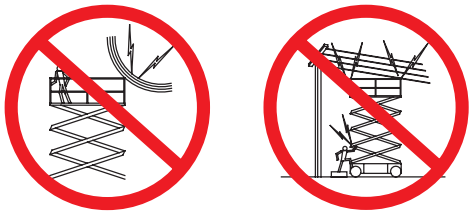
Common sense dictates the use of protective clothing when working on or near machinery. Use appropriate safety devices to protect your eyes, ears, hands, feet and body.

Any modifications from the original design are strictly forbidden without written permission from SKYJACK.

Electrocution Hazard

This aerial platform is not electrically insulated. Maintain a Minimum Safe Approach Distance (MSAD) from energized power lines and parts as listed below. The operator **must allow** for the platform to sway, rock or sag. **This aerial platform does not provide protection from contact with or proximity to an electrically charged conductor.**

DO NOT USE THE AERIAL PLATFORM AS A GROUND FOR WELDING.
DO NOT OPERATE THE AERIAL PLATFORM DURING LIGHTNING OR STORMS.



DANGER
Avoid Power Lines

Minimum Safe Approach Distance

ANSI/SIA A92.6-1999 & CSA B354.2-01 Requirements			**CE Guidance Note** "Avoidance of danger from Overhead Lines"
Voltage Range	Minimum Safe Approach Distance		**Adhere strictly to the governmental rulings and regulations applicable in your country.**
(Phase to Phase)	Feet	Meters	
0 to 300V	Avoid Contact		
Over 300V to 50KV	10	3.05	
Over 50KV to 200KV	15	4.60	
Over 200KV to 350KV	20	6.10	
Over 350KV to 500KV	25	7.62	
Over 500KV to 750KV	35	10.67	
Over 750KV to 1000KV	45	13.72	

FAILURE TO AVOID THIS HAZARD WILL RESULT IN DEATH OR SERIOUS INJURY!

60023AC

Safety Precautions

Know and understand the safety precautions before going on to next section.

WARNING

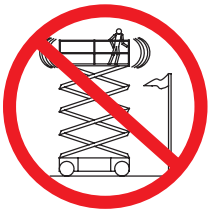
Failure to heed the following safety precautions could result in tip over, falling, crushing, or other hazards leading to death or serious injury.

- **KNOW** all national, state or territorial/provincial and local rules which apply to your aerial platform and jobsite.
- **TURN** the (emergency) main power disconnect switch off when leaving the aerial platform unattended. Remove the key to prevent unauthorized use of the aerial platform.
- **WEAR** all the protective clothing and personal safety devices issued to you or called for by job conditions.
- **DO NOT** wear loose clothing, dangling neckties, scarves, rings, wristwatches or other jewelry while operating this lift.

- **AVOID** entanglement with ropes, cords or hoses.

- **AVOID** falling. Stay within the boundaries of the guardrails.

- **DO NOT** raise the aerial platform in windy or gusty conditions.



- **DO NOT** increase the lateral surface area of the platform. Increasing the area exposed to the wind will decrease aerial platform stability.

- **DO NOT** drive or elevate the aerial platform if it is not on a firm level surface. Do not drive elevated near depressions or holes of any type, loading docks, debris, drop-offs and surfaces that may affect the stability of the aerial platform.

- **If operation in areas with holes or drop-offs is absolutely necessary,** elevated driving shall not be allowed. Position the aerial platform horizontally only with the platform fully lowered. After ensuring that all 4 wheels or outriggers (if equipped) have contact with level firm surface, the aerial platform can be elevated. After elevation, the drive function must not be activated.

- **Elevated driving** must only be done on a firm level surface.

- **DO NOT** ascend or descend a grade when elevated. When fully lowered, ascending or descending, only grades up to rated maximum listed in Table 2-1 are permissible.

Safety Precautions (Continued)

Know and understand the safety precautions before going on to next section.

- **DO NOT** operate on surfaces not capable of holding the weight of the aerial platform including the rated load, e.g. covers, drains, and trenches.
- **DO NOT** operate an aerial platform that has ladders, scaffolding or other devices mounted on it to increase its size or work height. It is prohibited.

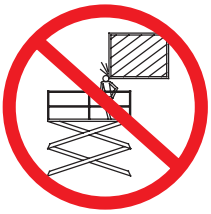
- **DO NOT** exert side forces on aerial platform while elevated.

- **DO NOT** use the aerial platform as a crane. It is prohibited.

- **DO NOT** sit, stand or climb on the guardrails. It is prohibited.

- **DO NOT** climb on scissor arm assembly. It is prohibited.

- **BE AWARE** of overhead obstructions or other possible hazards around the aerial platform when driving or lifting.

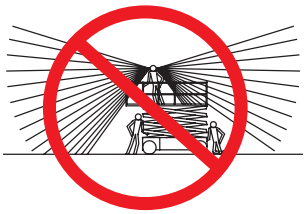


- **DO NOT** raise the aerial platform while the aerial platform is on a truck, fork lift or other device or vehicle.

- **BE AWARE** of crushing hazards. Keep all body parts inside platform guardrail.

- **DO NOT** lower the platform unless the area below is clear of personnel and obstructions.

- **ENSURE** that there are no personnel or obstructions in the path of travel, including blind spots.



- **BE AWARE** of blind spots when operating the aerial platform.
- **STUNT** driving and horseplay are prohibited.
- **ENSURE ALL** tires are in good condition and lug nuts are properly tightened.
- **DO NOT** alter or disable limit switches or other safety devices.
- **DO NOT** use the aerial platform without guardrails, locking pins and the entry gate in place.

Safety Precautions (Continued)

Know and understand the safety precautions before going on to next section.

- **DO NOT** exceed the rated capacity of the aerial platform. Do make sure the load is evenly distributed on the platform.

- **DO NOT** attempt to free a snagged platform with lower controls until personnel are removed from the platform.

- **DO NOT** position the aerial platform against another object to steady the platform.

- **DO NOT** place materials on the guardrails or materials that exceed the confines of the guardrails unless approved by Skyjack.

WARNING

Entering and exiting the aerial platform should only be done using the three points of contact.

- Use only equipped access openings.
- Enter and exit only when the aerial platform is in the fully retracted position.

- Do use three points of contact to enter and exit the platform. Enter and exit the platform from the ground only. Face the aerial platform when entering or exiting the platform.

- Three points of contact means that two hands and one foot or one hand and two feet are in contact with the aerial platform or the ground at all times during entering and exiting.

WARNING

An operator should not use any aerial platform that:

- does not appear to be working properly.
- has been damaged or appears to have worn or missing parts.
- has alterations or modifications not approved by the manufacturer.
- has safety devices which have been altered or disabled.
- has been tagged or blocked out for non-use or repair.

Failure to avoid these hazards could result in death or serious injury.

Jobsite Inspection

- Do not use in hazardous locations.
- Perform a thorough jobsite inspection prior to operating the aerial platform, to identify potential hazards in your work area.
- Be aware of moving equipment in the area. Take appropriate actions to avoid collision.

Section 2
List of Tables

Table of Contents

Table 2.1a Specifications and Features - ANSI/CSA

MODEL	3215	3219	3220	3226
Weight *	2400 lb. 1089 kg	2580 lb. 1170 kg	3510 lb. 1592 kg	4135 lb. 1876 kg
Width	32" 0.81 m		32" 0.81 m	
Length	70.0” 1.78 m		91.5" 2.32 m	
Platform Size	26” x 64” 0.66 m x 1.63 m		28” x 84” 0.71 m x 2.13 m	
Height				
Stowed Platform Height	34.5” 0.88 m	39" 0.99 m	38" 0.97 m	45" 1.14 m
Platform Elevated Height	15' 4.6 m	19’ 5.8 m	20’ 6.1 m	26’ 7.9 m
Working Height	21’ 6.4 m	25’ 7.6 m	26’ 7.92 m	32’ 9.75 m
Stowed Height Railings Up	74” 1.88 m	78.5" 1.99 m	77.5" 1.97 m	84.7" 2.15 m
Drive Height (All Standards)	FULL			
Standard Operating Time				
Lift Time (No Load)	18 sec.	20 sec.	27 sec.	43 sec.
Lower Time (No Load)	32 sec.	39 sec.	41 sec.	52 sec.
Lift Time (Rated Load)	23 sec.	25 sec.	33 sec.	56 sec.
Lower Time (Rated Load)	24 sec.	29 sec.	29 sec.	42 sec.
Chassis				
High Travel Speed	2 mph 3.2 km/h			2.4 mph 3.9 km/h
Elevated Drive Speed	0.65 mph 1.05 km/h		0.64 mph 1 km/h	0.66 mph 1.1 km/h
High Torque Drive Speed	N/A		1.2 mph 1.9 km/h	1.3 mph 2.09 km/h
Gradeability	23%		25%	
Tires (Solid Rubber)	12 x 4 x 8		16 x 5 x 12	

60156AI-ANSI-1

***** Weight with standard 3' (0.9 m) or 4' (1.2 m) extension platform.
Refer to nameplate for aerial platforms with 5' (1.5 m) or 6' (1.8 m) extension platform.

Table 2.1a Specifications and Features - ANSI/CSA (Continued)

MODEL	4620	4626	4632	6826	6832
Weight *	4100 lb. 1860 kg	4700 lb. 2132 kg	5075 lb. 2302 kg	5380 lb. 2440 kg	5680 lb. 2576 kg
Width	46" 1.17 m			68" 1.73 m	
Length	91" 2.31 m			99.5" 2.52 m	
Platform Size	42" x 84" 1.07 m x 2.13 m			57" x 84" 1.45 m x 2.13 m	
Height					
Working	26' 7.92 m	32' 9.75 m	38' 11.6 m	32' 9.75 m	38' 11.6 m
Platform Elevated	20' 6.1 m	26' 7.9 m	32' 9.8 m	26' 7.9 m	32' 9.8 m
Fixed Railing	77.25" 1.96 m	84.5" 2.15 m	88" 2.24 m	93.6" 2.38 m	99" 2.51 m
Platform Lowered	38" 0.97 m	45" 1.14 m	48.5" 1.23 m	50" 1.27 m	55.5" 1.40 m
Drive Height	20' 6.1 m	26' 7.9 m	32' 9.8 m	26' 7.9 m	32' 9.7 m
Standard Operating Time					
Lift Time (No Load)	24 sec.	48 sec.	50 sec.	N/A	58 sec.
Lower Time (No Load)	48 sec.	45 sec.	62 sec.	N/A	63 sec.
Lift Time (Rated Load)	32 sec.	54 sec.	59 sec.	65 sec.	60 sec.
Lower Time (Rated Load)	32 sec.	32 sec.	49 sec.	57 sec.	51 sec.
Chassis					
High Travel Speed	2 mph 3.2 km/h				
Elevated Drive Speed	0.56 mph 0.90 km/h				0.46 mph 0.74 km/h
High Torque Drive Speed	1 mph 1.6 km/h				
Gradeability	25%				
Tires	16 x 5 x 12 Solid Rubber			23 x 10.5 x 12 Foam Filled[1]	

60156AI-ANSI-2

* Weight with standard 3' (0.9 m) or 4' (1.2 m) extension platform.
Refer to nameplate for machines with 5' (1.5 m) or 6' (1.8 m) extension platform.

[1] Fill hardness: 55 Durometer

Table 2.1b Specifications and Features - AS

MODEL	3215	3219	3220	3226
Weight *	1090 kg	1170 kg	1583 kg	1864 kg
Width	0.81 m		0.84 m	
Length	1.78 m		2.32 m	
Platform Size	0.66 x 1.57 m		0.71 x 2.13 m	
Height				
Stowed Platform Height	0.88 m	0.99 m	0.97 m	1.15 m
Platform Elevated Height	4.6 m	5.8 m	6.1 m	7.9 m
Working Height	6.4 m	7.6 m	7.92 m	9.75 m
Stowed Height Railings Up	1.88 m	1.99 m	2.02 m	2.2 m
Drive Height (All Standards)	FULL			
Standard Operating Time				
Lift Time (No Load)	18 sec.	20 sec.	27 sec.	43 sec.
Lower Time (No Load)	32 sec.	39 sec.	41 sec.	52 sec.
Lift Time (Rated Load)	23 sec.	25 sec.	33 sec.	56 sec.
Lower Time (Rated Load)	24 sec.	29 sec.	29 sec.	42 sec.
Chassis				
High Travel Speed	3.2 km/h			3.9 km/h
Elevated Drive Speed	1.05 km/h		1 km/h	1.1 km/h
High Torque Drive Speed	N/A		1.9 km/h	2.14 km/h
Gradeability	23%		25%	
Tires (Solid Rubber)	12 x 4 x 8		16 x 5 x 12	

60156AJ-AS-1

***** Weight with standard 0.9 m or 1.2 m extension platform.
Refer to nameplate for aerial platforms with 1.5 m or 1.8 m extension platform.

Table 2.1b Specifications and Features - AS (Continued)

MODEL	4620	4626	4632	6826	6832
Weight †	1860 kg	2130 kg	2300 kg	2440 kg	2700 kg
Width	1.17 m			1.73 m	
Length	2.31 m			2.52 m	
Platform Size	1.07 x 2.11 m			1.53 x 2.05 m	
Height					
Working	7.92 m	9.75 m	11.6 m	9.75 m	11.6 m
Platform Elevated	6.1 m	7.9 m	9.7 m	7.9 m	9.7 m
Fixed Railing	1.96 m	2.15 m	2.24 m	2.37 m	2.51 m
Platform Lowered	0.97 m	1.14 m	1.23 m	1.27 m	1.40 m
Drive Height	6.1 m	7.9 m	9.7 m	7.0 m	7.9 m
Standard Operating Time					
Lift Time (No Load)	24 sec.	48 sec.	50 sec.	N/A	58 sec.
Lower Time (No Load)	48 sec.	45 sec.	62 sec.	N/A	63 sec.
Lift Time (Rated Load)	32 sec.	54 sec.	59 sec.	65 sec.	60 sec.
Lower Time (Rated Load)	32 sec.	32 sec.	49 sec.	57 sec.	51 sec.
Chassis					
High Travel Speed	3.2 km/h				
Elevated Drive Speed	0.90 km/h				0.64 km/h
High Torque Drive Speed	1.6 km/h				
Gradeability	25%				
Tires	16 x 5 x 12 Solid Rubber			23 x 10.5 x 12 Foam Filled[1]	

60156AJ-AS-2

† Weight with standard 0.9m extension platform. Refer to serial nameplate for specific applications.

1 Fill hardness: 55 Durometer

Table 2.1c Specifications and Features - CE

MODEL	3215	3219	3220/3220M	3226/3226M
Weight *	1090 kg 2403 lb.	1170 kg 2580 lb.	1583 kg 3490 lb.	1864 kg 4110 lb.
Width	0.81 m 31.9"		0.84 m 33"	
Length	1.78 m 70”		2.32 m 91.4"	
Platform Size	0.66 x 1.57 m 26” x 62”		0.71 x 2.13 m 28” x 84”	
Height				
Stowed Platform Height	0.88 m 34.7”	0.99 m 39"	0.97 m 38.2"	1.15 m 45.3"
Platform Elevated Height	4.6 m 15'	5.8 m 19’	6.1 m 20’	7.9 m 26’
Working Height	6.4 m 21’	7.6 m 25’	7.92 m 26’	9.75 m 32’
Stowed Height Railings Up	1.99 m 78.4”	2.11 m 83.1"	2.08 m 81.9"	2.27 m 89.4"
Drive Height (All Standards)	FULL			
Standard Operating Time				
Lift Time (No Load)	18 sec.	20 sec.	27 sec.	43 sec.
Lower Time (No Load)	32 sec.	39 sec.	40.6 sec.	52 sec.
Lift Time (Rated Load)	23 sec.	25 sec.	33 sec.	56 sec.
Lower Time (Rated Load)	24 sec.	29 sec.	29 sec.	42 sec.
Chassis				
High Travel Speed	3.2 km/h 2 mph			3.9 km/h 2.4 mph
Elevated Drive Speed	1.05 km/h 0.65 mph		1 km/h 0.62 mph	1.1 km/h 0.68 mph
High Torque Drive Speed	N/A		1.9 km/h 1.18 mph	2.14 km/h 1.33 mph
Gradeability	23%		25%	
Tires (Solid Rubber)	12 x 4 x 8		16 x 5 x 12	

60156AJ-CE-1

***** Weight with standard 0.9 m extension platform.
(Refer to nameplate for aerial platforms with 1.5m or 1.8m extension platform.)

Table 2.1c Specifications and Features - CE (Continued)

MODEL	4620	4626	4632	6826	6832
Weight †	1860 kg 4101 lb.	2130 kg 4696 lb.	2300 kg 5071 lb.	2440 kg 5380 lb.	2700 kg 5953 lb.
Width	1.17 m 46.1"			1.73 m 68.2"	
Length	2.31 m 91"			2.52 m 99.3"	
Platform Size	1.07 x 2.11 m 42.2" x 83.1"			1.53 x 2.05 m 60.3" x 80.7"	
Height					
Working	7.92 m 26'	9.75 m 32'	11.6 m 38'	9.75 m 32'	11.6 m 38'
Platform Elevated	6.1 m 20'	7.9 m 26'	9.7 m 31.9'	7.9 m 26'	9.7 m 31.9'
Fixed Railing	1.96 m 6.5'	2.15 m 7.1'	2.24 m 7.4'	2.37 m 7.8'	2.51 m 8.3'
Platform Lowered	0.97 m 38.2"	1.14 m 44.9"	1.23 m 48.5"	1.27 m 50"	1.40 m 55.1"
Drive Height	6.1 m 20'	7.9 m 26'	9.7 m 31.9'	7.0 m 23'	7.9 m 26'
Standard Operating Time					
Lift Time (No Load)	24 sec.	48 sec.	50 sec.	N/A	58 sec.
Lower Time (No Load)	48 sec.	45 sec.	62 sec.	N/A	63 sec.
Lift Time (Rated Load)	32 sec.	54 sec.	59 sec.	65 sec.	60 sec.
Lower Time (Rated Load)	32 sec.	32 sec.	49 sec.	57 sec.	51 sec.
Chassis					
High Travel Speed	3.2 km/h 2 mph				
Elevated Drive Speed	0.90 km/h 0.56 mph				0.74 km/h 0.46 mph
High Torque Drive Speed	1.6 km/h 1 mph				
Gradeability	25%				
Tires	16 x 5 x 12 Solid Rubber			23 x 10.5 x 12 Foam Filled[1]	

60156AJ-CE-2

† Weight with standard 0.9m extension platform. Refer to serial nameplate for specific applications.

1 Fill hardness: 55 Durometer

Table 2.2 Owner's Annual Inspection Record

Model Number: _____				Serial Number: _____				
Recording Date								
Recording Year #	1	2	3	4	5	6	7	8	9
Owner's Name								
Inspected By								

60141AB

As described earlier in this section, this decal is located on the scissor assembly. It must be completed after an annual inspection has been completed. Do not use the aerial platform if an inspection has not been recorded in the last 13 months.

Table 2.3a Maximum Platform Capacities (Evenly Distributed) - ANSI/CSA

MODEL	Manual Extension Platform				Powered Extension Platform			
	Total Capacity		Extension Capacity		Total Capacity		Extension Capacity	
3215	600 lb. 272 kg	2 Persons	250 lb. 113 kg	1 Person	N/A			
3219	550 lb. 249 kg	2 Persons	250 lb. 113 kg	1 Person	N/A			
3220	900 lb. 408 kg	2 Persons	300 lb. 136 kg	1 Person	800 lb. 363 kg	2 Persons	300 lb. 136 kg	1 Person
3226	500 lb. 227 kg	2 Persons	250 lb. 113 kg	1 Person	N/A			
4620	1300 lb. 590 kg	3 Persons	300 lb. 136 kg	1 Person	1300 lb. 590 kg	3 Persons	300 lb. 136 kg	1 Person
4626	1000 lb. 454 kg	3 Persons	300 lb. 136 kg	1 Person	1000 lb. 454 kg	3 Persons	300 lb. 136 kg	1 Person
4632	700 lb. 318 kg	2 Persons	250 lb. 113 kg	1 Person	N/A			
6826	1200 lb. 544 kg	3 Persons	300 lb. 136 kg	1 Person	1000 lb. 454 kg	3 Persons	300 lb. 136 kg	1 Person
6832	850 lb. 386 kg	3 Persons	300 lb. 136 kg	1 Person	850 lb. 386 kg	3 Persons	300 lb. 136 kg	1 Person

60315AG-ANSI

NOTE: Overall Capacity - Occupants and materials not to exceed rated load.

Table 2.3b Maximum Platform Capacities (Evenly Distributed) - AS

MODEL	Max. Side Force (N)	Max. Wind (m/s)	Manual Extension Platform				Powered Extension Platform			
			Total Capacity		Extension Capacity		Total Capacity		Extension Capacity	
3215	400	0	227 kg	2 Persons	113 kg	1 Person	N/A			
	200	12.5	227 kg	1 Person	227 kg					
3219	400	0	249 kg	2 Persons	113 kg	1 Person	N/A			
	200	12.5	120 kg	1 Person	120 kg					
3220	400	0	408 kg	2 Persons	136 kg	1 Person	N/A			
	200	12.5	227 kg	1 Person	227 kg					
3226*	400	0	227 kg	2 Persons	113 kg	1 Person	N/A			
	200	12.5	120 kg	1 Person	120 kg					
4620	400	12.5	590 kg	3 Persons	136 kg	1 Person	590 kg	3 Persons	136 kg	1 Person
4626	400	12.5	454 kg	3 Persons	136 kg	1 Person	454 kg	3 Persons	136 kg	1 Person
4632	400	12.5	317 kg	2 Persons	113 kg	1 Person	N/A			
6826	400	12.5	544 kg	3 Persons	136 kg	1 Person	N/A			
6832	400	12.5	454 kg	3 Persons	136 kg	1 Person	N/A			

60315AG-AS

* SJIII3226 shall have extension retracted when used outdoor.

NOTE: Overall Capacity - Occupants and materials not to exceed rated load.

Table 2.3c Maximum Platform Capacities (Evenly Distributed) - CE

MODEL	Manual Extension Platform				Powered Extension Platform			
	Total Capacity		Extension Capacity		Total Capacity		Extension Capacity	
3215	227 kg 500 lb.	2 Persons	113 kg 250 lb.	1 Person	N/A			
3219	227 kg 500 lb.	2 Persons	113 kg 250 lb.	1 Person	N/A			
3220/3220M	408 kg 900 lb.	2 Persons	136 kg 300 lb.	1 Person	363 kg 800 lb.	2 Persons	136 kg 300 lb.	1 Person
3226/3226M	227 kg 500 lb.	2 Persons	113 kg 250 lb.	1 Person	N/A			
4620	590 kg 1300 lb.	3 Persons	136 kg 300 lb.	1 Person	590 kg 1300 lb.	3 Persons	136 kg 300 lb.	1 Person
4626	454 kg 1000 lb.	3 Persons	136 kg 300 lb.	1 Person	454 kg 1000 lb.	3 Persons	136 kg 300 lb.	1 Person
4632 *	317 kg 699 lb.	2 Persons	113 kg 250 lb.	1 Person	N/A			
6826	454 kg 1000 lb.	3 Persons	136 kg 300 lb.	1 Person	N/A			
6832	454 kg 1000 lb.	3 Persons	136 kg 300 lb.	1 Person	N/A			

60315AG-CE

* 4632 model is rated for wind Beaufort Scale 5, wind speed 8 – 10.8 m/s, wind pressure 72 N/m².

NOTE: Overall Capacity - Occupants and materials not to exceed rated load.

BEAUFORT SCALE	Wind Speed				Ground Conditions
	m/s	km/h	ft/s	mph	
3	3.4 – 5.4	12.5 – 19.4	11.5 – 17.75	5 – 12.0	Papers and thin branches move, flags wave
4	5.4 – 8.0	19.4 – 28.8	17.75 – 26.25	12.0 – 18	Dust is raised, paper whirls up, and small branches sway.
5	8.0 – 10.8	28.8 – 38.9	26.25 – 35.5	18 – 24.25	Shrubs with leaves start swaying. Wave crests are apparent in ponds or swamps.
6	10.8 – 13.9	38.9 – 50.0	35.5 – 45.5	24.5 – 31	Tree branches move. Power lines whistle. It is difficult to open an umbrella.
7	13.9 – 17.2	50.0 – 61.9	45.5 – 65.5	31 – 38.5	Whole trees sway. It is difficult to walk against the wind.

60338AC

WARNING

This aerial platform is equipped with a load sensing system. Do not exceed the rated capacity of the aerial platform. Failure to avoid this will prevent operation of all normal controls/functions of the aerial platform. To resume normal operation remove the additional loads.

Table 2.4a Floor Loading Pressure - ANSI/CSA

MODEL		Total Aerial Platform Weight		Total Aerial Platform Load					
				Wheel		LCP**		OUP**	
		lb.	kg	lb.	kg	psi	KPa (kN/m^2)	psf	KPa (kN/m^2)
3215	min*	2400	1089	960	435	100	689.48	160	7.66
	max*	3000	1361	1200	544	110	758.42	200	9.58
3219	min*	2580	1170	1032	468	100	689.48	170	8.14
	max*	3130	1420	1252	568	110	758.42	210	10.05
3220	min*	3490	1583	1396	633	110	758.42	175	8.38
	max*	4840	2195	1936	878	130	896.32	245	11.73
3226	min*	4100	1860	1644	746	120	827.37	210	10.05
	max*	4610	2091	1844	836	130	896.32	235	11.25
4620	min*	4110	1864	1464	664	191	1316.90	146	6.99
	max*	5620	2549	1904	864	223	1537.53	199	9.53
4626	min*	4790	2173	1948	884	211	1454.79	171	8.19
	max*	5340	2422	2288	1038	235	1620.27	191	9.15
4632	min*	5068	2299	2112	958	208	1434.11	180	8.60
	max*	5768	2616	2392	1085	220	1516.85	204	9.77
6826	min*	5220	2368	2088	947	78	537.79	112	5.38
	max*	6420	2912	2568	1165	84	579.16	137	6.55
6832	min*	5870	2663	2348	1065	82	565.37	125	6.00
	max*	7070	3207	2829	1283	94	648.11	151	7.24

60354AD-ANSI

* **min** - Total aerial platform weight with no options

max - Aerial platform weight + all options + full capacity

** **LCP - Locally Concentrated Pressure** is a measure of how hard the aerial platform presses on the areas in direct contact with the floor. The floor covering (tile, carpet, etc.) must be able to withstand more that the indicated values above.

OUP - Overall Uniform Pressure is a measure of the average load the aerial platform imparts on the whole surface directly underneath it. The structure of the operating surface (beams, etc.) must be able to withstand more than the indicated values above.

NOTE:

The **LCP** or **OUP** that an individual surface can withstand varies from structure to structure and is generally determined by the engineer or architect for that particular structure.

Floor Loading Pressure

Locally Concentrated Pressure (LCP):

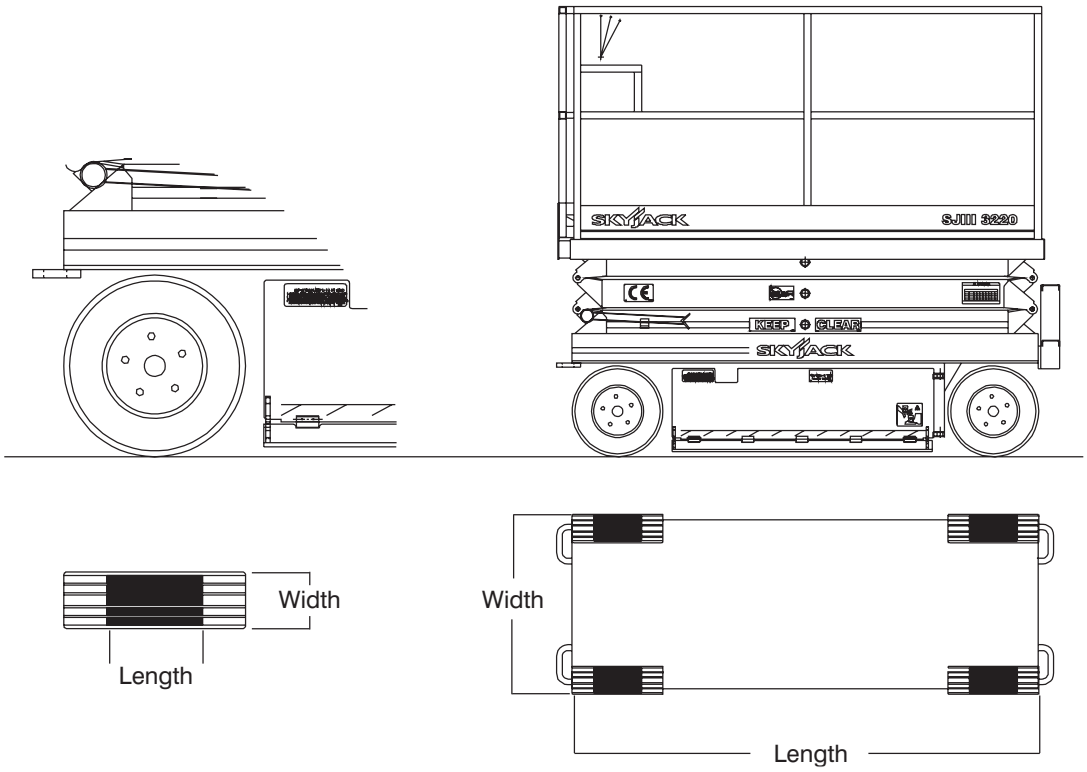
Foot Print Area = Length x Width

$$LCP = \frac{\text{Weight of Aerial Platform + Capacity}}{\text{Foot Print Area x 4 (Tires)}}$$

Overall Uniform Pressure (OUP):

Base Area = Length x Width

$$OUP = \frac{\text{Weight of Aerial Platform + Capacity}}{\text{Base Area}}$$



WARNING

Intermixing tires of different types or using tires of types other than those originally supplied with this equipment can adversely affect stability. Therefore, replace tires only with the exact original Skyjack-approved type. Failure to operate with matched approved tires in good condition may result in death or serious injury.

Table 2.4b Floor Loading Pressure - AS

MODEL		Total Aerial Platform Weight		Total Aerial Platform Load					
				Wheel		LCP**		OUP**	
		kg	lb.	kg	lb.	KPa (kN/m^2)	psi	KPa (kN/m^2)	psf
3215	min*	1089	2400	435	960	689.48	100	7.66	160
	max*	1361	3000	544	1200	758.42	110	9.58	200
3219	min*	1170	2580	468	1032	689.48	100	8.14	170
	max*	1420	3130	568	1252	758.42	110	10.05	210
3220	min*	1583	3490	633	1396	758.42	110	8.38	175
	max*	2195	4840	878	1936	896.32	130	11.73	245
3226	min*	1860	4100	746	1644	827.37	120	10.05	210
	max*	2091	4610	836	1844	896.32	130	11.25	235
4620	min*	1864	4110	664	1464	1316.90	191	6.99	146
	max*	2549	5620	864	1904	1537.53	223	9.53	199
4626	min*	2173	4790	884	1948	1454.79	211	8.19	171
	max*	2422	5340	1038	2288	1620.27	235	9.15	191
4632	min*	2299	5068	958	2112	1434.11	208	8.60	180
	max*	2616	5768	1085	2392	1516.85	220	9.77	204
6826	min*	2368	5220	947	2088	537.79	78	5.38	112
	max*	2912	6420	1165	2568	579.16	84	6.55	137
6832	min*	2663	5870	1065	2348	565.37	82	6.00	125
	max*	3207	7070	1283	2829	648.11	94	7.24	151

60354AD-AS

* **min** - Total aerial platform weight with no options

max - Aerial platform weight + all options + full capacity

** **LCP - Locally Concentrated Pressure** is a measure of how hard the aerial platform presses on the areas in direct contact with the floor. The floor covering (tile, carpet, etc.) must be able to withstand more that the indicated values above.

OUP - Overall Uniform Pressure is a measure of the average load the aerial platform imparts on the whole surface directly underneath it. The structure of the operating surface (beams, etc.) must be able to withstand more than the indicated values above.

NOTE:

The **LCP** or **OUP** that an individual surface can withstand varies from structure to structure and is generally determined by the engineer or architect for that particular structure.

Floor Loading Pressure

Local Concentrated Pressure (LCP):

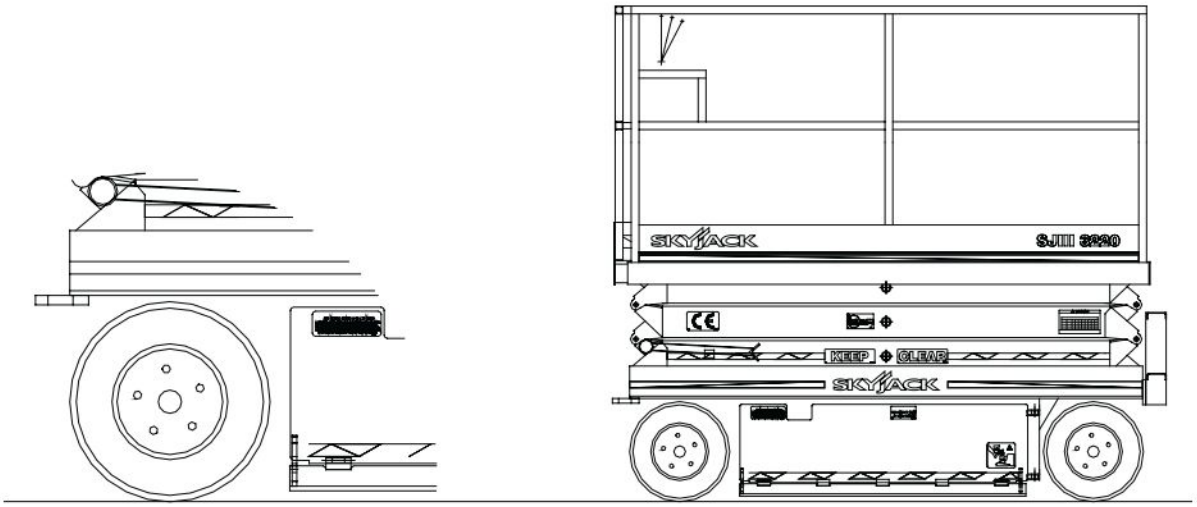
Foot Print Area = Length x Width

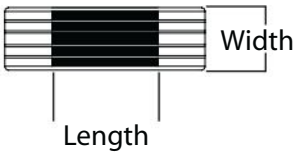
$$LCP = \frac{\text{Weight of Machine + Capacity}}{\text{Foot Print Area x 4 (Tires)}}$$

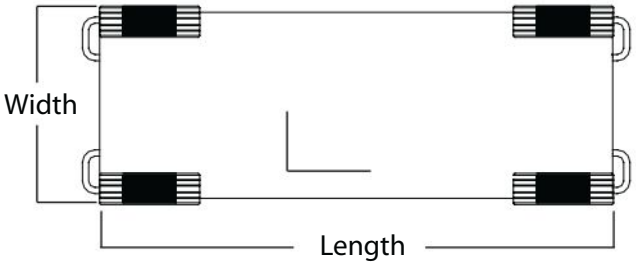
Overall Uniform Pressure (OUP):

Base Area = Length x Width

$$OUP = \frac{\text{Weight of Machine + Capacity}}{\text{Base Area}}$$







WARNING

Intermixing tires of different types or using tires of types other than those originally supplied with this equipment can adversely affect stability. Therefore, replace tires only with the exact original Skyjack-approved type. Failure to operate with matched approved tires in good condition may result in death or serious injury.

Table 2.4c Floor Loading Pressure - CE

MODEL		Total Aerial Platform Weight		Total Aerial Platform Load					
				Wheel		LCP**		OUP**	
		kg	lb.	kg	lb.	KPa (kN/m^2)	psi	KPa (kN/m^2)	psf
3215	min*	1089	2400	435	960	689.48	100	7.66	160
	max*	1361	3000	544	1200	758.42	110	9.58	200
3219	min*	1170	2580	468	1032	689.48	100	8.14	170
	max*	1420	3130	568	1252	758.42	110	10.05	210
3220/3220M	min*	1583	3490	633	1396	758.42	110	8.38	175
	max*	2195	4840	878	1936	896.32	130	11.73	245
3226/3226M	min*	1860	4100	746	1644	827.37	120	10.05	210
	max*	2091	4610	836	1844	896.32	130	11.25	235
4620	min*	1864	4110	664	1464	1316.90	191	6.99	146
	max*	2549	5620	864	1904	1537.53	223	9.53	199
4626	min*	2173	4790	884	1948	1454.79	211	8.19	171
	max*	2422	5340	1038	2288	1620.27	235	9.15	191
4632	min*	2299	5068	958	2112	1434.11	208	8.60	180
	max*	2616	5768	1085	2392	1516.85	220	9.77	204
6826	min*	2368	5220	947	2088	537.79	78	5.38	112
	max*	2912	6420	1165	2568	579.16	84	6.55	137
6832	min*	2663	5870	1065	2348	565.37	82	6.00	125
	max*	3207	7070	1283	2829	648.11	94	7.24	151

60354AD-CE

* **min** - Total aerial platform weight with no options

max - Aerial platform weight + all options + full capacity

** **LCP - Locally Concentrated Pressure** is a measure of how hard the aerial platform presses on the areas in direct contact with the floor. The floor covering (tile, carpet, etc.) must be able to withstand more that the indicated values above.

OUP - Overall Uniform Pressure is a measure of the average load the aerial platform imparts on the whole surface directly underneath it. The structure of the operating surface (beams, etc.) must be able to withstand more than the indicated values above.

NOTE:

The **LCP** or **OUP** that an individual surface can withstand varies from structure to structure and is generally determined by the engineer or architect for that particular structure.

Floor Loading Pressure

Locally Concentrated Pressure (LCP):

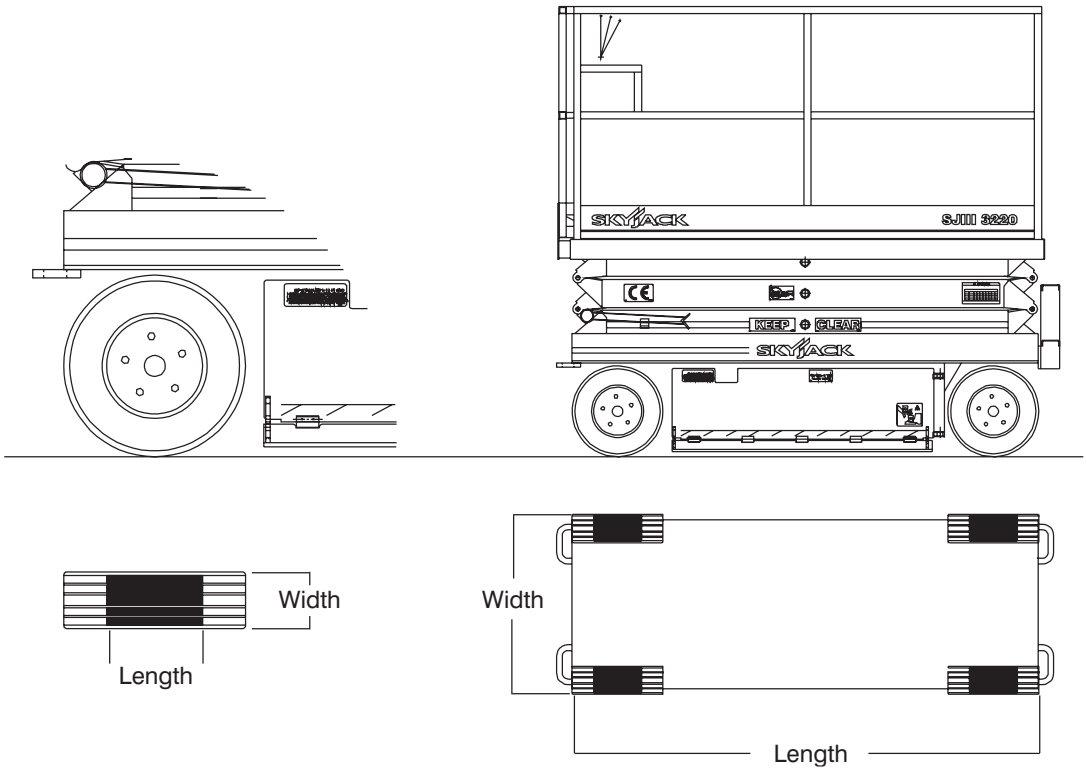
Foot Print Area = Length x Width

$$LCP = \frac{\text{Weight of Aerial Platform + Capacity}}{\text{Foot Print Area x 4 (Tires)}}$$

Overall Uniform Pressure (OUP):

Base Area = Length x Width

$$OUP = \frac{\text{Weight of Aerial Platform + Capacity}}{\text{Base Area}}$$



WARNING

Intermixing tires of different types or using tires of types other than those originally supplied with this equipment can adversely affect stability. Therefore, replace tires only with the exact original Skyjack-approved type. Failure to operate with matched approved tires in good condition may result in death or serious injury.

General Maintenance

Before attempting any repair work, disconnect the battery by turning the emergency main power disconnect switch to off position. Preventive maintenance is the easiest and least expensive type of maintenance.

Table 2.5a Maintenance and Inspection Schedule - ANSI/CSA

Frequency	Daily	3 months or 150 hours	Yearly
Visual and Daily Maintenance Inspections			
Labels	A		
Electrical	A		
Limit Switches	A		
Hydraulic	A		
Entrance Side			
Emergency Main Power Disconnect Switch	A		
Base Control Switches	A		
Free-wheeling Value Knob	A		
Brakes	A		
110V Outlet Receptacle	A		
Ladder	A		
Battery Tray Side			
Pothole Protection Device	A		
Battery Tray	A		
Battery Charger	A		
Battery	A		
Steer Cylinder Assembly	A		
Wheel/Tire Assembly	A	B*	
Tie Rod (Conventionals)	A		
Greasing Points	A		
Hydraulic/Electric Tray Side			
Pothole Protection Device	A		
Hydraulic Tank	A		
Hydraulic Oil	A		
Hydraulic Pump and Motor	A		
Electrical Panel	A		
Proportional and Main Manifolds	A		
Tilt Sensor	A		
Emergency Lowering Access Rod (If Equipped)	A		
Platform Assembly	A		
Lanyard Attachment Anchors	A		
AC Outlet on Platform	A		
Platform Control Console	A		
Manuals	A		
Powered Extension Control Console (If Equipped)	A		

Frequency	Daily	3 months or 150 hours	Yearly
Lifting Mechanism			
Maintenance Support	A		
Scissor Assembly	A	B*	
Scissor Bumpers	A		
Rollers	A		
Lift Cylinder(s)	A		
Function Tests			
Test Emergency Main Power Disconnect Switch	A		
Base Control Console			
Test Enable Button (If Equipped)	A		
Test Platform Raise/Lower Switch	A		
Test Emergency Lowering	A		
Test Free-wheeling	A		
Platform Control Console			
Test Platform Emergency Stop	A		
Test Enable Trigger Switch	A	B*	
Test Steering	A		
Test Driving	A		
Test Brakes	A		
Test Platform Raising/Lowering	A		
Test Horn	A		
Test Pothole Sensor	A		
Test Speed Limit	A		
Test Tilt Sensor	A		

60598AA-ANSI

A - Perform Visual and Daily Maintenance Inspections & Functions Test. Refer to Section 2.8 and Section 2.9 of the operating manual.
B - Perform Scheduled Maintenance Inspection. Refer to Service & Maintenance manual.
*** -** Maintenance must be performed only by trained and competent personnel who are familiar with mechanical procedures.

WARNING

Use original or equivalent to the original parts and components for the aerial platform.

General Maintenance

Before attempting any repair work, disconnect the battery by turning the main power disconnect switch to off position. Preventive maintenance is the easiest and least expensive type of maintenance.

Table 2.5b Maintenance and Inspection Schedule - AS

Frequency	Daily	3 months or 150 hours	Yearly
Visual and Daily Maintenance Inspections			
Labels	A		
Electrical	A		
Limit Switches	A		
Hydraulic	A		
Entrance Side			
Main Power Disconnect Switch	A		
Base Control Switches	A		
Free-wheeling Value Knob	A		
Brakes	A		
AC Outlet Receptacle	A		
Ladder	A		
Battery Tray Side			
Pothole Protection Device	A		
Battery Tray	A		
Battery Charger	A		
Battery	A		
Steer Cylinder Assembly	A		
Wheel/Tire Assembly	A	B*	
Tie Rod (Conventionals)	A		
Greasing Points	A		
Hydraulic/Electric Tray Side			
Pothole Protection Device	A		
Hydraulic Tank	A		
Hydraulic Oil	A		
Hydraulic Pump and Motor	A		
Electrical Panel	A		
Proportional and Main Manifolds	A		
Tilt Sensor	A		
Emergency Lowering Access Rod (If Equipped)	A		
Platform Assembly	A		
Lanyard Attachment Anchors	A		
AC Outlet on Platform	A		
Platform Control Console	A		
Manual	A		
Powered Extension Control Console (If Equipped)	A		

Frequency	Daily	3 months or 150 hours	Yearly
Lifting Mechanism			
Maintenance Support	A		
Scissor Assembly	A	B*	
Scissor Bumpers	A		
Rollers	A		
Lift Cylinder(s)	A		
Function Tests			
Test Main Power Disconnect Switch	A		
Base Control Console			
Test Base Emergency Stop	A		
Test Enable Button (If Equipped)	A		
Test Platform Raise/Lower Switch	A		
Test Emergency Lowering	A		
Test Free-wheeling	A		
Platform Control Console			
Test Platform Emergency Stop	A		
Test Enable Trigger Switch	A	B*	
Test Steering	A		
Test Driving	A		
Test Brakes	A		
Test Platform Raising/Lowering	A		
Test Lowering Warning	A		
Test Horn	A		
Test Pothole Sensor	A		
Test Speed Limit	A		
Test Tilt Sensor	A		

60598AA-AS

A - Perform Visual and Daily Maintenance Inspections & Functions Test. Refer to Section 2.8 and Section 2.9 of the operating manual.
B - Perform Scheduled Maintenance Inspection. Refer to Service & Maintenance manual.
*** -** Maintenance must be performed only by trained and competent personnel who are familiar with mechanical procedures.

WARNING

Use original or equivalent to the original parts and components for the aerial platform.

General Maintenance

Before attempting any repair work, disconnect the battery by turning the main power disconnect switch to off position. Preventive maintenance is the easiest and least expensive type of maintenance.

Table 2.5c Maintenance and Inspection Schedule - CE

Frequency	Daily	3 months or 150 hours	Yearly
Visual and Daily Maintenance Inspections			
Labels	A		
Electrical	A		
Limit Switches	A		
Hydraulic	A		
Entrance Side			
Main Power Disconnect Switch	A		
Base Control Switches	A		
Free-wheeling Value Knob	A		
Brakes	A		
220V Outlet Receptacle	A		
Ladder	A		
Battery Tray Side			
Pothole Protection Device	A		
Battery Tray	A		
Battery Charger	A		
Battery	A		
Steer Cylinder Assembly	A		
Wheel/Tire Assembly	A	**B***	
Tie Rod (Conventionals)	A		
Greasing Points	A		
Hydraulic/Electric Tray Side			
Pothole Protection Device	A		
Hydraulic Tank	A		
Hydraulic Oil	A		
Hydraulic Pump and Motor	A		
Electrical Panel	A		
Proportional and Main Manifolds	A		
Load/Tilt Sensor	A		
Emergency Lowering Access Rod (If Equipped)	A		
Platform Assembly	A		
Lanyard Attachment Anchors	A		
AC Outlet on Platform	A		
Platform Control Console	A		
Manuals	A		
Powered Extension Control Console (If Equipped)	A		

Frequency	Daily	3 months or 150 hours	Yearly
Lifting Mechanism			
Maintenance Support	A		
Scissor Assembly	A	**B***	
Scissor Bumpers	A		
Rollers	A		
Lift Cylinder(s)	A		
Function Tests			
Test Main Power Disconnect Switch	A		
Base Control Console			
Test Base Emergency Stop	A		
Test Enable Button (If Equipped)	A		
Test Platform Raise/Lower Switch	A		
Test Emergency Lowering	A		
Test Free-wheeling	A		
Platform Control Console			
Test Platform Emergency Stop	A		
Test Enable Trigger Switch	A	**B***	
Test Steering	A		
Test Driving	A		
Test Brakes	A		
Test Platform Raising/Lowering	A		
Test Lowering Warning	A		
Test Horn	A		
Test Pothole Sensor	A		
Test Speed Limit	A		
Test Tilt Sensor	A		

60598AA-CE

A - Perform Visual and Daily Maintenance Inspections & Functions Test. Refer to Section 2.8 and Section 2.9 of the operating manual.
B - Perform Scheduled Maintenance Inspection. Refer to Service & Maintenance manual.
*** -** Maintenance must be performed only by trained and competent personnel who are familiar with mechanical procedures.

WARNING

Use original or equivalent to the original parts and components for the aerial platform.

Table 2.6a Operator's Checklist - ANSI/CSA

OPERATOR'S CHECKLIST

Serial Number: _____

Model: _____

Hourmeter Reading: _____ Operator's Name (Printed): _____

Date: _____

Time: _____ Operator's Signature: _____

Each item shall be inspected using the the appropriate section of the Skyjack operating manual.
As each item is inspected, check the appropriate box.

P - PASS
F - FAIL
R - REPAIRED
NA - NOT APPLICABLE

❑ DAILY
❑ FREQUENTLY
❑ ANNUALLY
❑ BI-ANNUALLY

	N/A	P	F	R
Visual and Daily Maintenance Inspections				
Labels				
Electrical				
Limit Switches				
Hydraulic				
Entrance Side				
Emergency Main Power Disconnect Switch				
Base Control Switches				
Free-wheeling Valve Knob				
Brakes				
110V Outlet Receptacle				
Ladder				
Battery Tray Side				
Pothole Protection Device				
Battery Tray				
Battery Charger				
Battery				
Steer Cylinder Assembly				
Wheel/Tire Assembly				
Tie Rod (Conventionals)				
Greasing Points				
Hydraulic/Electric Side				
Pothole Protection Device				
Hydraulic Tank				
Hydraulic Oil				
Hydraulic Pump and Motor				
Electrical Panel				
Proportional and Main Manifolds				
Tilt Sensor				
Emergency Lowering Access Rod (If Equipped)				
Platform Assembly				
Lanyard Attachment Anchors				
AC Outlet on Platform				
Platform Control Console				
Manuals				
Powered Extension Control Console (If Equipped)				

	N/A	P	F	R
Lifting Mechanism				
Maintenance Support				
Scissor Assembly				
Scissor Bumpers				
Rollers				
Lift Cylinder(s)				
Function Tests				
Test Emergency Main Power Disconnect Switch				
Base Control Console				
Test Enable Button (If Equipped)				
Test Platform Raise/Lower Switch				
Test Emergency Lowering				
Test Free-wheeling				
Platform Control Console				
Test Platform Emergency Stop				
Test Enable Trigger Switch				
Test Steering				
Test Driving				
Test Brakes				
Test Platform Raising/Lowering				
Test Horn				
Test Pothole Sensor				
Test Speed Limit				
Test Tilt Sensor				

60600AA-ANSI

Note:
Make a copy of this page or visit the Skyjack web site:
www.skyjack.com for a printable copy.

Table 2.6b Operator's Checklist - AS

OPERATOR'S CHECKLIST

Serial Number: _____

Model: _____

Hourmeter Reading: _____ Operator's Name (Printed): _____

Date: _____

Time: _____ Operator's Signature: _____

Each item shall be inspected using the the appropriate section of the Skyjack operating manual.
As each item is inspected, check the appropriate box.

P - PASS
F - FAIL
R - REPAIRED
NA - NOT APPLICABLE

❑ DAILY
❑ FREQUENTLY
❑ ANNUALLY
❑ BI-ANNUALLY

	N/A	P	F	R
Visual and Daily Maintenance Inspections				
Labels				
Electrical				
Limit Switches				
Hydraulic				
Entrance Side				
Main Power Disconnect Switch				
Base Control Switches				
Free-wheeling Valve Knob				
Brakes				
AC Outlet Receptacle				
Ladder				
Battery Tray Side				
Pothole Protection Device				
Battery Tray				
Battery Charger				
Battery				
Steer Cylinder Assembly				
Wheel/Tire Assembly				
Tie Rod (Conventionals)				
Greasing Points				
Hydraulic/Electric Tray Side				
Pothole Protection Device				
Hydraulic Tank				
Hydraulic Oil				
Hydraulic Pump and Motor				
Electrical Panel				
Proportional and Main Manifolds				
Tilt Sensor				
Emergency Lowering Access Rod (If Equipped)				
Platform Assembly				
Lanyard Attachment Anchors				
AC Outlet on Platform				
Platform Control Console				
Manual				
Powered Extension Control Console (If Equipped)				

	N/A	P	F	R
Lifting Mechanism				
Maintenance Support				
Scissor Assembly				
Scissor Bumpers				
Rollers				
Lift Cylinder(s)				
Function Tests				
Test Main Power Disconnect Switch				
Base Control Console				
Test Base Emergency Stop				
Test Enable Button (If Equipped)				
Test Platform Raise/Lower Switch				
Test Emergency Lowering				
Test Free-wheeling				
Platform Control Console				
Test Platform Emergency Stop				
Test Enable Trigger Switch				
Test Steering				
Test Driving				
Test Brakes				
Test Platform Raising/Lowering				
Test Lowering Warning				
Test Horn				
Test Pothole Sensor				
Test Speed Limit				
Test Tilt Sensor				

60600AA-AS

Note:
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Table 2.6c Operator's Checklist - CE

OPERATOR'S CHECKLIST

Serial Number: _____

Model: _____

Hourmeter Reading: _____ Operator's Name (Printed): _____

Date: _____

Time: _____ Operator's Signature: _____

Each item shall be inspected using the the appropriate section of the Skyjack operating manual.
As each item is inspected, check the appropriate box.

P - PASS
F - FAIL
R - REPAIRED
NA - NOT APPLICABLE

❑ DAILY
❑ FREQUENTLY
❑ ANNUALLY
❑ BI-ANNUALLY

	N/A	P	F	R
Visual and Daily Maintenance Inspections				
Labels				
Electrical				
Limit Switches				
Hydraulic				
Entrance Side				
Main Power Disconnect Switch				
Base Control Switches				
Free-wheeling Valve Knob				
Brakes				
220V Outlet Receptacle				
Ladder				
Battery Tray Side				
Pothole Protection Device				
Battery Tray				
Battery Charger				
Battery				
Steer Cylinder Assembly				
Wheel/Tire Assembly				
Tie Rod (Conventionals)				
Greasing Points				
Hydraulic/Electric Side				
Pothole Protection Device				
Hydraulic Tank				
Hydraulic Oil				
Hydraulic Pump and Motor				
Electrical Panel				
Proportional and Main Manifolds				
Load/Tilt Sensor				
Emergency Lowering Access Rod (If Equipped)				
Platform Assembly				
Lanyard Attachment Anchors				
AC Outlet on Platform				
Platform Control Console				
Manuals				
Powered Extension Control Console (If Equipped)				

	N/A	P	F	R
Lifting Mechanism				
Maintenance Support				
Scissor Assembly				
Scissor Bumpers				
Rollers				
Lift Cylinder(s)				
Function Tests				
Test Main Power Disconnect Switch				
Base Control Console				
Test Base Emergency Stop				
Test Enable Button (If Equipped)				
Test Platform Raise/Lower Switch				
Test Emergency Lowering				
Test Free-wheeling				
Platform Control Console				
Test Platform Emergency Stop				
Test Enable Trigger Switch				
Test Steering				
Test Driving				
Test Brakes				
Test Platform Raising/Lowering				
Test Lowering Warning				
Test Horn				
Test Pothole Sensor				
Test Speed Limit				
Test Tilt Sensor				

60600AA-CE

Note:
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Section 3
System Component Identification And Schematics

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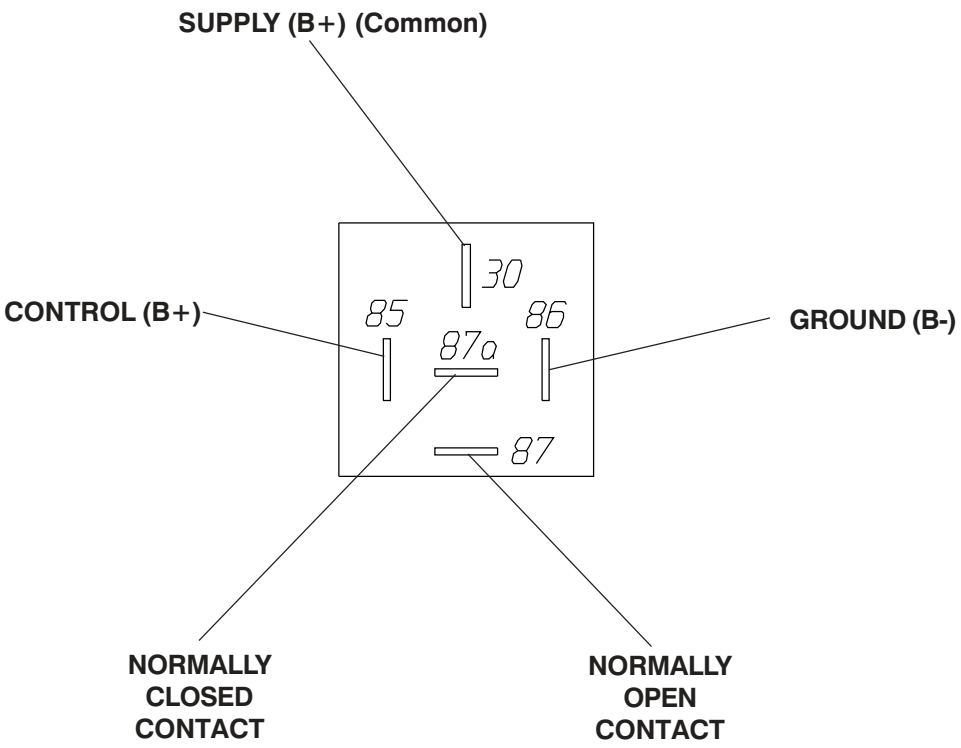
Figure 3.1-1. Relay Function Chart



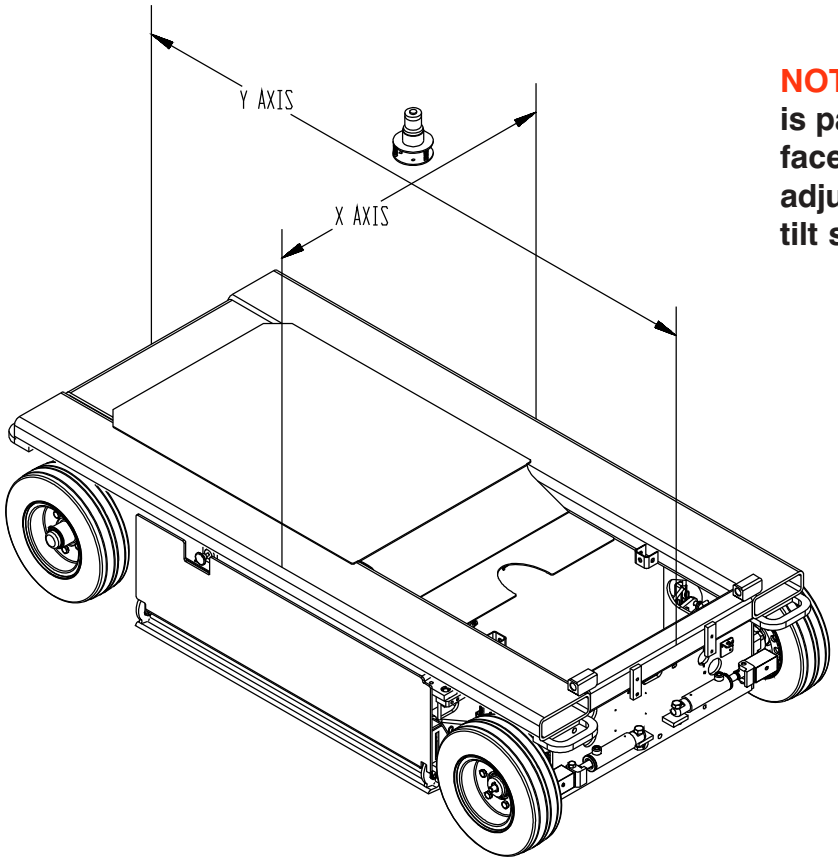
RELAY NO.	RELAY FUNCTION
17CR	TRANSFER RELAY
21ACR	PROPORTIONAL RELAY (CE)
21CCR	PROPORTIONAL RELAY (ANSI/CSA)
28CR	TILT SWITCH RELAY (ANSI/CSA)
28CR1	TILT RELAY (CE)
28CR2	DOWN RELAY (CE)
28ECR1	AUXILIARY TILT RELAY (CE)
28ECR2	AUXILIARY DOWN RELAY (CE)

60328AB

Figure 3.1-2. Tilt Switch Usage Chart

Model	ANSI Models			CE Models			AS Models		
	Serial Numbers	Tilt switch (X Axis° x Y Axis°)		Serial Numbers	Tilt switch (X Axis° x Y Axis°)		Serial Numbers	Tilt switch (X Axis° x Y Axis°)	
		124138 (1.5° x 3.5°)	117880 (2.5° x 4.5°)		124138 (1.5° x 3.5°)	117880 (2.5° x 4.5°)		124138 (1.5° x 3.5°)	118058 (1° x 2°)
3220	From 610500 to present	X		From 611631 to 615052	X		From 610500 to present	X	
3226	From 27013 to present	X		From 27013 to 270981	X		From 27013 to present		X
4620	From 710000 present		X	From 66703 to 66871		X	From 710000 present	X	
4626			X	From 706569 to 709312	X			X	
4632			X	Not Applicable					X

60041AD_1



NOTE: Ensure the platform is parked on a flat level surface before performing any adjustments or repairs to the tilt switch assembly.

10196AA

Figure 3.1-3. Electrical Symbol Chart

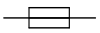
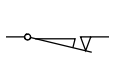
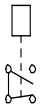
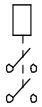
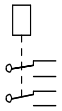
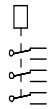
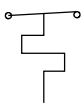
 WIRE CROSSING	 HOURMETER	 KEY SWITCH	 ANGLE TRANSDUCER
 WIRES JOINED	 LIGHT	 FOOT SWITCH	 PRESSURE TRANSDUCER
 BATTERY	 HYDRAULIC VALVE COIL	 TOGGLE SWITCH	 LIMIT SWITCH N.O.
 GROUND	 PROPORTIONAL HYDRAULIC VALVE COIL	 PUSH BUTTON	 LIMIT SWITCH N.O. HELD CLOSED
 FUSE	 ELECTRIC MOTOR	 ROTARY SWITCH	 LIMIT SWITCH N.C.
 CIRCUIT BREAKER	 HORN	 LIMIT SWITCH	 LIMIT SWITCH N.C. HELD OPEN
 BATTERY CHARGE INDICATOR	 EMERGENCY STOP BUTTON	 CAM OPERATED LIMIT SWITCH	 SILICON CONTROLLED RECTIFIER
 CAPACITOR	 RESISTOR	 TILT SWITCH	 PROXIMITY SWITCH
 POTENTIOMETER	 LEVEL SENSOR	 SINGLE POLE SINGLE THROWN RELAY	 PNP TRANSISTOR
 SINGLE POLE DOUBLE THROW RELAY	 DOUBLE POLE SINGLE THROW RELAY	 DOUBLE POLE DOUBLE THROW RELAY	 NPN TRANSISTOR
 TRIPLE POLE DOUBLE THROW RELAY	 DIODE	 TRANSISTOR	 PRESSURE/ VACUUM SWITCH
 TEMPERATURE SWITCH			

Figure 3.1-4. Hydraulic Symbol Chart

LINE CROSSING	VARIABLE DISPLACEMENT PUMP	SHUTTLE VALVE	VELOCITY FUSE
LINE JOINED	HAND PUMP	ACCUMULATOR, GAS CHARGED	SINGLE ACTING CYLINDER
HYDRAULIC TANK	RELIEF VALVE	CUSHION CYLINDER	DOUBLE ACTING CYLINDER
HYDRAULIC FILTER WITH BYPASS	PRESSURE REDUCING VALVE	PRESSURE SWITCH	DOUBLE ACTING DOUBLE RODDED
ELECTRIC MOTOR	FIXED ORIFICE	MOTION CONTROL VALVE	SPRING APPLIED HYDRAULIC RELEASED BRAKE
ENGINE	ADJUSTABLE FLOW CONTROL	FLOW DIVIDER COMBINER	BRAKE CYLINDER
FIXED DISPLACEMENT PUMP	CHECK VALVE	COUNTER BALANCE VALVE	ROTARY ACTUATOR
THREE POSITION FOUR WAY PROPORTIONAL	OIL COOLER	VALVE COIL	BI DIRECTIONAL HYDRAULIC MOTOR
SERIES PARALLEL HYDRAULIC MOTOR	TWO POSITION TWO WAY NORMALLY CLOSED	TWO POSITION THREE WAY	THREE POSITION FOUR WAY CLOSED CENTER OPEN PORT
TWO POSITION TWO WAY NORMALLY OPEN	TWO POSITION THREE WAY	THREE POSITION FOUR WAY CLOSED CENTER CLOSED PORT	THREE POSITION FOUR WAY PROPORTIONAL
PRESSURE TRANSDUCER	MAIN LINES Solid	PILOT LINES Dashed	VARIABLE DISPLACEMENT HYDRAULIC MOTOR
SERVO			

Figure 3.2-1. Hydraulic Schematic Parts List **AF**

Index No.	Skyjack Part No.	Qty.	Description
2H-13	103655	1	VALVE, Lowering
2H-13-1	107269	1	VALVE, Holding (lower cylinder)
2H-13-2	107269	1	VALVE, Holding (upper cylinder) **(Model 3226/4626/4632 only)**
2H-18A	104132	1	VALVE, Differential
2H-59B	132749	1	VALVE, Proportional (Equipped with Internal Compensator Valve)
	115351	1	VALVE, Proportional (Equipped with External Compensator Valve)
3H-14	106273	1	VALVE, Lift
3H-17A	103623	1	VALVE, Brake
3H-18A	103623	1	VALVE, Pilot
3H-18A-1	103623	1	VALVE, Speed A
3H-18A-2	103623	1	VALVE, Speed B
4H-15	128317	1	VALVE, “Hytos” Reverse drive (includes 4H-16)
4H-16	128317	1	VALVE, “Hytos” Forward drive (includes 4H-15)
4H-23	128317	1	VALVE, “Hytos” Right steer (includes 4H-24)
4H-24	128317	1	VALVE, “Hytos” Left steer (includes 4H-23)
4H-26	113953	1	VALVE, Powered platform extend (includes 4H-27) **(Model 3220/4620/4626)**
4H-27	113953	1	VALVE, Powered platform retract (includes 4H-26) **(Model 3220/4620/4626)**
C1	124291	1	CYLINDER, Cushion
C2	120989	AR	CYLINDER, Lift
C3	120236	1	CYLINDER, Steer
C4	120220	2	CYLINDER, Brake
C5	127100	AR	CYLINDER, 6 FT Powered extension platform **(Model 3220/4620/4626)**
CB1	104133	1	VALVE, Counterbalance
CMP1	115382	1	VALVE, External Compensator (If Equipped)
CRV1	115299	1	VALVE, Cross-Over Relief (Option)
F1	109568	1	FILTER ASSEMBLY, Return
FD1	103354	1	VALVE, Flow divider/combiner
M1	103129	1	MOTOR, Hydraulic Wheel LH
M2	103129	1	MOTOR, Hydraulic Wheel RH
M3	134573	1	MOTOR, Hydraulic Wheel LH
M4	134573	1	MOTOR, Hydraulic Wheel RH
MB1	107354	1	BLOCK, Main manifold
MB2	107493	1	BLOCK, Emergency lowering manifold
MB3	106689	1	BLOCK, Holding valve manifold **(Model 3220/4620)**
	106688	1	BLOCK, Lower holding valve manifold **(Model 3226/4626/4632)**
	108778	1	BLOCK, Upper holding valve manifold **(Model 3226/4626/4632)**
MB4	108195	1	BLOCK, Rear drive manifold
MB5	--	1	BLOCK, Powered extension platform manifold (part of cylinder weldment)
MB7	136540	1	BLOCK, Brake release manifold
MB9	132748	1	BLOCK, Proportional manifold (Equipped with Internal Compensator Valve)
	115349	1	BLOCK, Proportional manifold (Equipped with External Compensator Valve)

Parts list continued on following page.

Figure 3.2-1. Hydraulic Schematic Parts List (Continued) **AF**

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from previous page.
O2	122213	1	ORIFICE, Lowering 0.073" dia. **(Model 4620)**
	105530	1	ORIFICE, Lowering 0.081" dia. **(Model 4632)**
O3	105811	1	ORIFICE, Steer .040 diameter
O4	105281	2	ORIFICE, Emergency lowering .067 diameter
O5	105811	2	ORIFICE, Brake .040 diameter
O6	104434	1	ORIFICE, Differential .040 diameter
O7	137127	1	ORIFICE, Brake .020 diameter
P1	106577	1	PUMP, Hydraulic **(All Model 4620 except EE-rated)**
	106587	1	PUMP, Hydraulic **(All Model 4626/4632 except EE-rated)**
	129961	1	PUMP, Hydraulic **(All ANSI/CSA EE-Rated Machines)**
PS1	102863	1	SWITCH, Pressure (option)
	113799	1	• MANIFOLD BLOCK, (for machines with Pressure Switch Option)
PT1	(Ref.)	-	TRANSDUCER, Pressure **(CE)** (For components refer to load sensing supplement manual)
R1	104534	1	VALVE, System relief
R2	104534	1	VALVE, Lift relief
R3	106557	2	VALVE, Holding Valve Relief
R4	115336	1	VALVE, Cross-over relief (Option)
R5	115336	1	VALVE, Cross-over relief (Option)
V1	107271	1	VALVE, Emergency lowering
V2	103136	1	VALVE, Free-wheeling

Figure 3.2-2. Hydraulic Schematic - Model 3220 & 4620

Machines Equipped with Pin Brake (Refer to Serial No. Breakdown Chart)

32XX Serial Number Breakdown Reference Chart				
32XX Type			Brake	
Serial No.	ANSI/CSA	CE	Pin	Disc
All Serial No.	✓	✓	✓	

M60433_1AC

46XX Serial Number Breakdown Reference Chart				
46XX Type			Brake	
Serial No.	ANSI/CSA	CE	Pin	Disc
712974 and Below	✓	✓	✓	
712975	✓		✓	
713092 to 713198	✓		✓	
713222 to 713229		✓	✓	
713230 to 713241	✓		✓	
713242 to 713275		✓	✓	
713276 to 713278	✓		✓	
713279 to 713298		✓	✓	
713299 to 713316	✓		✓	
713317 to 713318		✓	✓	
713319 to 713364	✓		✓	
713365 to 713370		✓	✓	
713372 to 713398	✓		✓	
713399 to 713403		✓	✓	
713404	✓		✓	
713405 to 713409		✓	✓	
713410 to 713436	✓		✓	
713437 to 713441		✓		✓
713442		✓	✓	
713443 to 713452		✓		✓
713453 to 713456	✓		✓	
713457 to 713466		✓		✓
713467 to 713477	✓		✓	
713478 to 713487		✓		✓
713488 to 713520	✓		✓	
713521 to 713524		✓		✓
713525	✓		✓	
713526 to 713552		✓		✓
713553 to 713574	✓		✓	
713575 to 713584		✓		✓
713585 to 713593	✓		✓	
713594 to 713604		✓		✓
713605 to 714011	✓		✓	
714012 to 714051	✓			✓
714052 to 714085	✓		✓	
714086 to 714125		✓		✓
714126 to 714137	✓		✓	
714138 to 714140		✓		✓
714141 to 714165	✓		✓	
714166 to 714303		✓		✓
714304 to 714406	✓		✓	
714407 to 714426	✓			✓
714427 to 714492	✓		✓	
714493 to 714660	✓			✓
714661 and Above	✓	✓		✓

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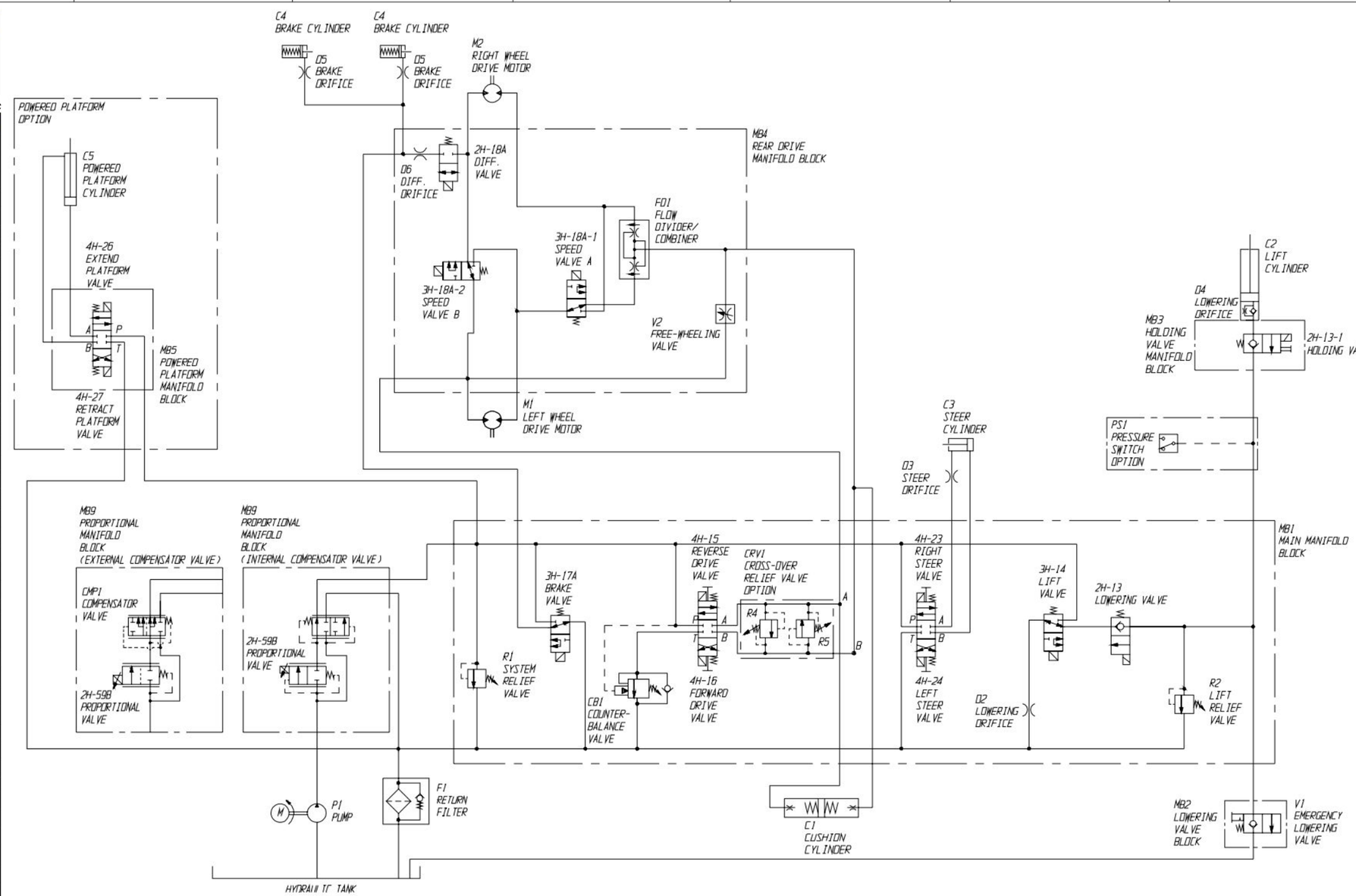

Figure 3.2-3. Hydraulic Schematic - Model 3226, 4626 & 4632

Machines Equipped with Pin Brake (Refer to Serial No. Breakdown Chart)

32XX Serial Number Breakdown Reference Chart				
32XX Type			Brake	
Serial No.	ANSI/CSA	CE	Pin	Disc
All Serial No.	✓	✓	✓	

M60433_1AC

46XX Serial Number Breakdown Reference Chart				
46XX Type			Brake	
Serial No.	ANSI/CSA	CE	Pin	Disc
712974 and Below	✓	✓	✓	
712975	✓		✓	
713092 to 713198	✓		✓	
713222 to 713229		✓	✓	
713230 to 713241	✓		✓	
713242 to 713275		✓	✓	
713276 to 713278	✓		✓	
713279 to 713298		✓	✓	
713299 to 713316	✓		✓	
713317 to 713318		✓	✓	
713319 to 713364	✓		✓	
713365 to 713370		✓	✓	
713372 to 713398	✓		✓	
713399 to 713403		✓	✓	
713404	✓		✓	
713405 to 713409		✓	✓	
713410 to 713436	✓		✓	
713437 to 713441		✓		✓
713442		✓	✓	
713443 to 713452		✓		✓
713453 to 713456	✓		✓	
713457 to 713466		✓		✓
713467 to 713477	✓		✓	
713478 to 713487		✓		✓
713488 to 713520	✓		✓	
713521 to 713524		✓		✓
713525	✓		✓	
713526 to 713552		✓		✓
713553 to 713574	✓		✓	
713575 to 713584		✓		✓
713585 to 713593	✓		✓	
713594 to 713604		✓		✓
713605 to 714011	✓		✓	
714012 to 714051	✓			✓
714052 to 714085	✓		✓	
714086 to 714125		✓		✓
714126 to 714137	✓		✓	
714138 to 714140		✓		✓
714141 to 714165	✓		✓	
714166 to 714303		✓		✓
714304 to 714406	✓		✓	
714407 to 714426	✓			✓
714427 to 714492	✓		✓	
714493 to 714660	✓			✓
714661 and Above	✓	✓		✓

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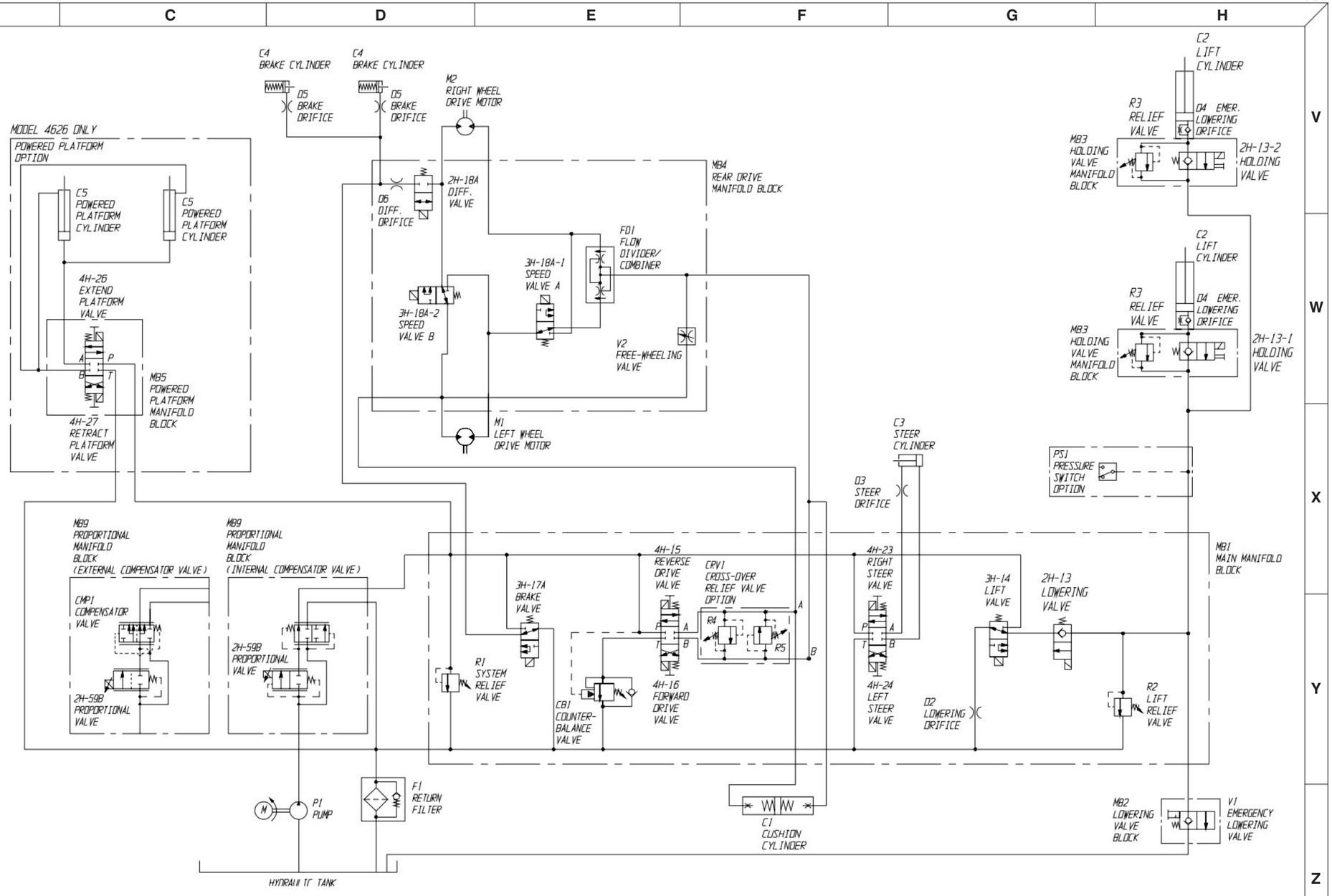

46XX Serial Number Breakdown Reference Chart				
46XX Type			Brake	
Serial No.	ANSI/CSA	CE	Pin	Disc
712974 and Below	✓	✓	✓	
712975	✓		✓	
713092 to 713198	✓		✓	
713222 to 713229		✓	✓	
713230 to 713241	✓		✓	
713242 to 713275		✓	✓	
713276 to 713278	✓		✓	
713279 to 713298		✓	✓	
713299 to 713316	✓		✓	
713317 to 713318		✓	✓	
713319 to 713364	✓		✓	
713365 to 713370		✓	✓	
713372 to 713398	✓		✓	
713399 to 713403		✓	✓	
713404	✓		✓	
713405 to 713409		✓	✓	
713410 to 713436	✓		✓	
713437 to 713441		✓		✓
713442		✓	✓	
713443 to 713452		✓		✓
713453 to 713456	✓		✓	
713457 to 713466		✓		✓
713467 to 713477	✓		✓	
713478 to 713487		✓		✓
713488 to 713520	✓		✓	
713521 to 713524		✓		✓
713525	✓		✓	
713526 to 713552		✓		✓
713553 to 713574	✓		✓	
713575 to 713584		✓		✓
713585 to 713593	✓		✓	
713594 to 713604		✓		✓
713605 to 714011	✓		✓	
714012 to 714051	✓			✓
714052 to 714085	✓		✓	
714086 to 714125		✓		✓
714126 to 714137	✓		✓	
714138 to 714140		✓		✓
714141 to 714165	✓		✓	
714166 to 714303		✓		✓
714304 to 714406	✓		✓	
714407 to 714426	✓			✓
714427 to 714492	✓		✓	
714493 to 714660	✓			✓
714661 and Above	✓	✓		✓

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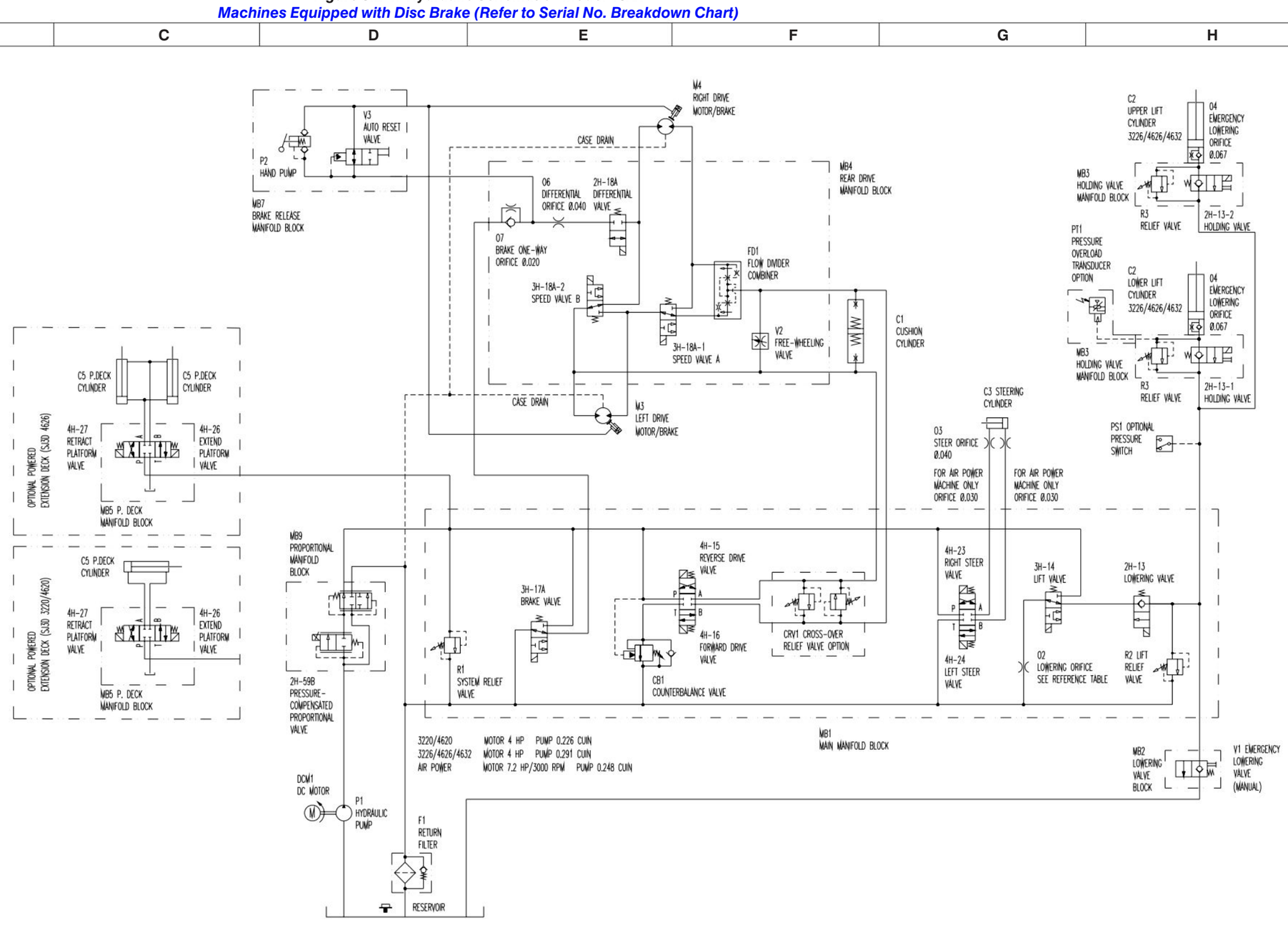


Figure 3.2-5. Hydraulic Manifold Component And Port Identification **AF**

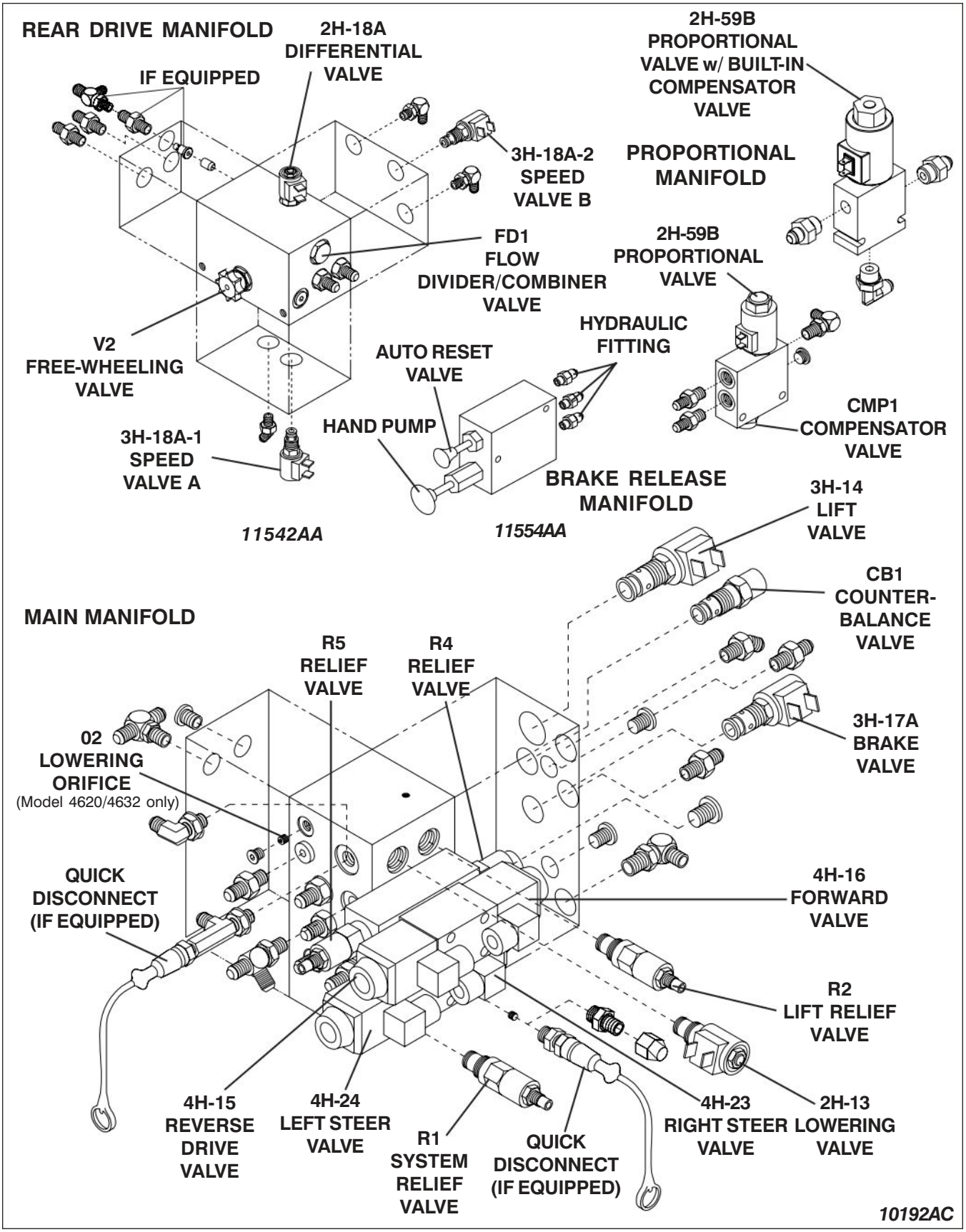


Figure 3.3-1. Electrical Schematic And Diagram Parts List **AH**

Index No.	Skyjack Part No.	Qty.	Description
129ACR	108589	1	RELAY, 24 Volt (Joystick enable switch) - **CE & ANSI/CSA with All Option**
17CR	108589	1	RELAY, 24 Volt (Transfer)
21ACR	108589	1	RELAY, 24 Volt (Proportional) - **CE**
21CCR	108589	1	RELAY, 24 Volt (Proportional) - **ANSI/CSA**
28CR	108589	1	RELAY, 24 Volt (Tilt switch) - **ANSI/CSA**
28CR1	108589	1	RELAY, 24 Volt (Tilt) - **CE**
28CR2	108589	1	RELAY, 24 Volt (Down) - **CE**
28ECR1	108589	1	RELAY, 24 Volt (Auxiliary Tilt) - **CE**
28ECR2	108589	1	RELAY, 24 Volt (Auxiliary Down) - **CE**
2H-13	103605	1	COIL, 24 Volt (Down valve) - **ANSI/CSA**
2H-13B	103605	1	COIL, 24 Volt (Down valve) - **CE**
2H-13-X	104493	AR	COIL, 24 Volt (Holding valve) - **ANSI/CSA**
2H-13B-X	104493	AR	COIL, 24 Volt (Holding valve) - **CE**
2H-18A	103605	1	COIL, 24 Volt (Differential valve)
2H-59B	115370	1	COIL, 24 Volt (Proportional valve)
3H-14A	105610	1	COIL, 24 Volt (Lift valve) - **ANSI/CSA**
3H-14	105610	1	COIL, 24 Volt (Lift valve) - **CE**
3H-17A	103605	1	COIL, 24 Volt (Brake valve)
3H-18A-1	103605	1	COIL, 24 Volt (Speed A)
3H-18A-2	103605	1	COIL, 24 Volt (Speed B)
4H-15	128320	1	COIL, 24 Volt (Reverse drive spool valve)
4H-16	128320	1	COIL, 24 Volt (Forward drive spool valve)
4H-23	128320	1	COIL, 24 Volt (Right steer spool valve)
4H-24	128320	1	COIL, 24 Volt (Left steer spool valve)
4H-26	103605	1	COIL, 24 Volt (Powered platform extend spool valve) (Option)
4H-27	103605	1	COIL, 24 Volt (Powered platform retract spool valve) (Option)
8BCR	108589	1	RELAY, 24 Volt (Joystick enable switch) - **ANSI/CSA No Option**
AT1	(Ref.)	1	TRANSDUCER, Angle - **CE** (For components refer to the load sensing supplement manual)
B1-B4	106552	4	BATTERY, 6V (Interstate #U2500)
	103480	4	BATTERY, 6V (Interstate #U2200)
BC	128537	1	CHARGER, Battery 24VDC (Superior Universal)
BCI	122093	1	BATTERY CHARGE INDICATOR
BP-29	103057	1	BEEPER, 24 VDC **(ANSI/CSA)**
	117967	1	BEEPER, 9-28 VDC **(CE)**
C1	103101	1	CONTACTOR, 24 Volt motor
CAP1	110699	1	CAPACITOR .47UF 50 Volts
CB1-CB2	117325	2	CIRCUIT BREAKER, 15 Amp
CM1	(Ref.)	1	CONTROL MODULE, Integrated Sensor **(CE)** (For components refer to the load sensing supplement manual)

Parts list continued on the following page.

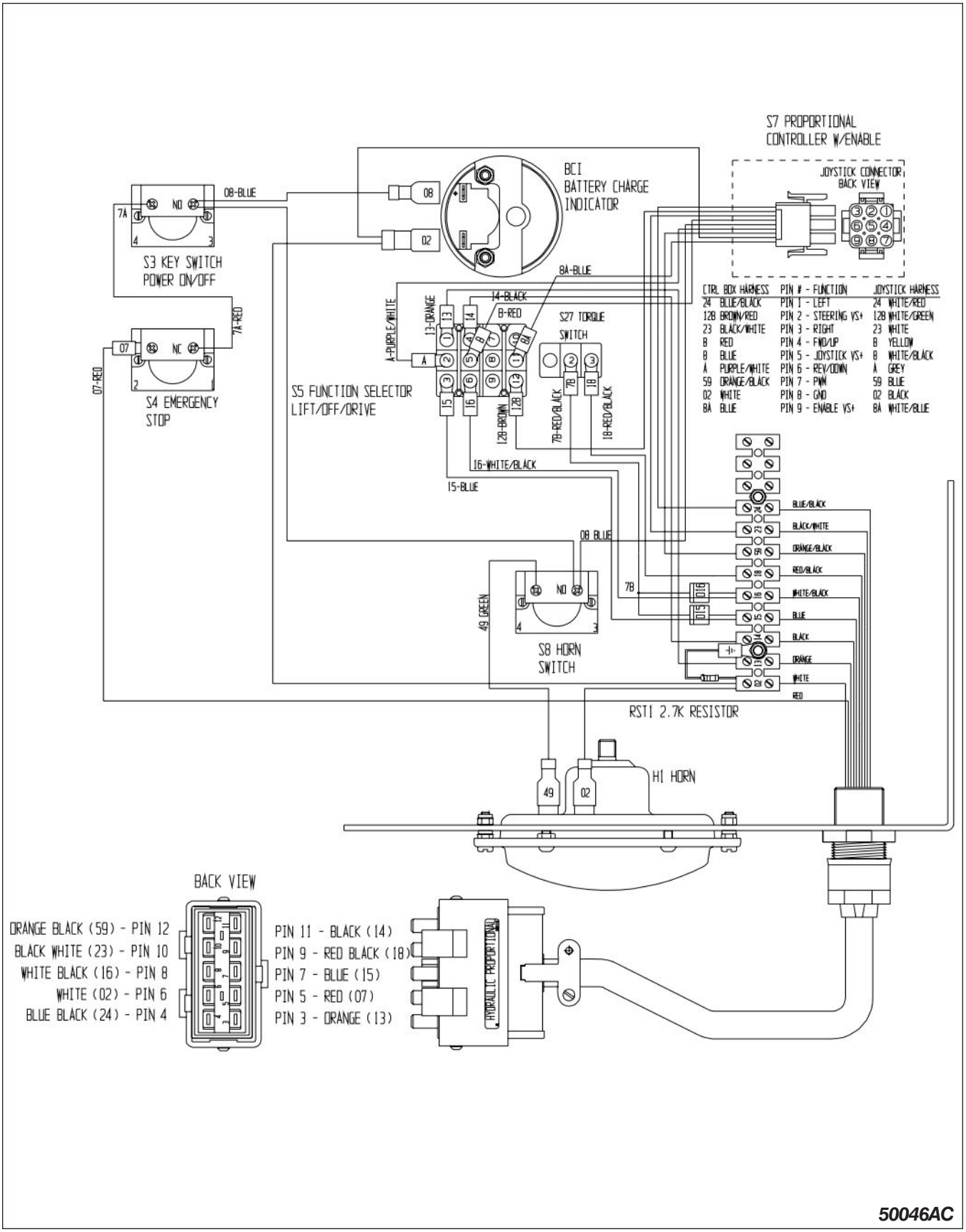
Figure 3.3-1. Electrical Schematic And Diagram Parts List (Continued) **AH**

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
DCM1	123477	1	MOTOR, 24 Volt
D02-X	129258	AR	DIODE
DXX	102921	AR	DIODE
DA1	119758	1	DIODE PACK
DA2	119520	1	DIODE ASSEMBLY
DA3	119624	1	DIODE ASSEMBLY
F1	117619	1	FUSE, 300 Amp
FL-22	121477	1	FLASHING LIGHT (option)
FL-22A	103743	1	FLASHER, Flashing Light
H1	121058	1	HORN, Operator
INV1	128769	1	INVERTER, 24VDC - 120 VAC @ 60 Hz **(ANSI/CSA)**
	128770	1	INVERTER, 24VDC - 110/220 VAC @ 50 Hz **(CE)**
L1CR	115315	1	RELAY, Battery charger
LB1	102671	1	MOUNT, Load Sensing Light Assembly **(CE)**
LS1A	121975	1	LIMIT SWITCH, High speed - **Model 32xx**
	121975	1	LIMIT SWITCH, High speed - **Model 46xx (ANSI/CSA)**
	133599	1	LIMIT SWITCH, High speed - **Model 46xx (CE)**
LS1B	121975	1	LIMIT SWITCH, High speed - **Model 32xx**
	121975	1	LIMIT SWITCH, High speed - **Model 46xx (ANSI/CSA)**
	133599	1	LIMIT SWITCH, High speed - **Model 46xx (CE)**
LS3	122014	1	LIMIT SWITCH, End of stroke (Option)
LS4	125887	1	LIMIT SWITCH, Pothole protection - Battery tray - **Model 32xx**
	125887	1	LIMIT SWITCH, Pothole protection - Battery tray - **Model 46xx (ANSI/CSA)**
	133601	1	LIMIT SWITCH, Pothole protection - Battery tray -**Model 46xx (CE)**
	126051	1	LIMIT SWITCH, Pothole protection - Battery tray **(ANSI/CSA EE-Rated)**
LS5	125885	1	LIMIT SWITCH, Pothole protection - Hydraulic tray - **Model 32xx**
	125885	1	LIMIT SWITCH, Pothole protection - Hydraulic tray - **Model 46x (ANSI/CSA)**
	133600	1	LIMIT SWITCH, Pothole protection - Hydraulic tray -**Model 46xx (CE)**
	126060	1	LIMIT SWITCH, Pothole protection - Hydraulic Tray **(ANSI/CSA EE-Rated)**
LS6	121975	1	LIMIT SWITCH, Drive override - **Model 32xx**
	121975	1	LIMIT SWITCH, Drive override - **Model 46xx (ANSI/CSA)**
	133599	1	LIMIT SWITCH, Drive override - **Model 46xx (CE)**
PS1	102863	1	PRESSURE SWITCH
PT1	(Ref.)	1	TRANSDUCER, Pressure- **CE** (For components refer to the load sensing supplement manual)
PWM	122868	1	CIRCUIT BOARD ASSEMBLY, Proportional Controller
			Parts list continued on the following page.

Figure 3.3-1. Electrical Schematic And Diagram Parts List (Continued) **AH**

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
RST1	119629	1	RESISTOR, 2.7K
RST2	115313	1	RESISTOR, 25W-30 Ohm
RST3	116505	1	RESISTOR, Low voltage protection
S1	119725	1	SWITCH, Main power disconnect
S2	103141	1	N.O. CONTACT, Up/Down (Base Control Box)
S3	103141	2	N.O. CONTACT, On/Off Key switch (Main Control Box)
S4	103225	1	N.C. CONTACT, Emergency stop switch (Main Control Box)
S5	116382	1	SWITCH, Lift/Off/Drive toggle (Main Control Box)
S7	123994	1	CONTROLLER ASSEMBLY, Proportional (Main Control Box)
S8	103141	1	N.O. CONTACT, Operator horn (Main Control Box)
S10	(Ref)	-	ASSEMBLY, Base Control Box Enable Base Contact - **Model 46XX**
	103141	1	• N.O. CONTACT, Base Control Box Enable
	103225	1	• N.C. CONTACT, Base Control Box Enable **(ANSI/CSA only)**
S11	102853	1	SWITCH, Powered extension platform extend/retract toggle (Option)
S12	102853	1	SWITCH, Powered extension platform enable toggle (Option)
S27	115574	1	SWITCH, Torque toggle
S28	103225	1	N.C. CONTACT, Emergency stop switch (Base Control Box)
TMR-19A	137417	1	RELAY, Inverter Timer Cut-Out **(ANSI/CSA)** **(Order P/N 132494 for machines with Serial No. 618279 (3220), 275999 (3226), 715239 (4620), 714944 (4626), 714576 (4632), & below)**
TMR-19B	137417	1	RELAY, Inverter Timer Cut-Out **(CE)** **(Order P/N 132494 for machines with Serial No. 618279 (3220), 275999 (3226), 715239 (4620), 714944 (4626), 714576 (4632), & below)**
TS1	117880	1	TILT SWITCH **(ANSI/CSA)**
TT	103336	1	HOURMETER

Figure 3.3-2. Control Box Diagram - ANSI/CSA Models Equipped With No Options



50046AC

Figure 3.3-3. Control Box Diagram - ANSI/CSA Models Equipped With All Options (No rollout limit)

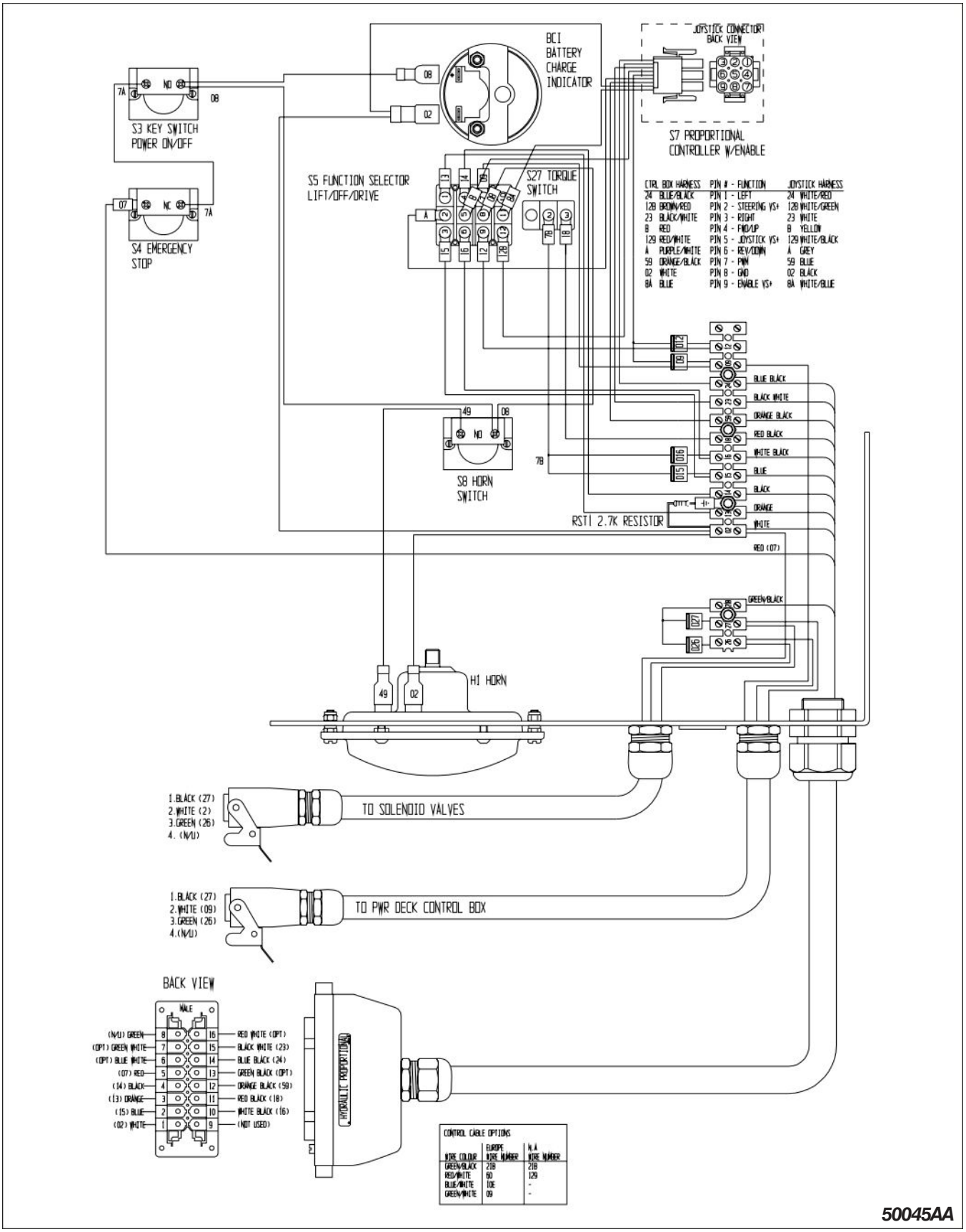
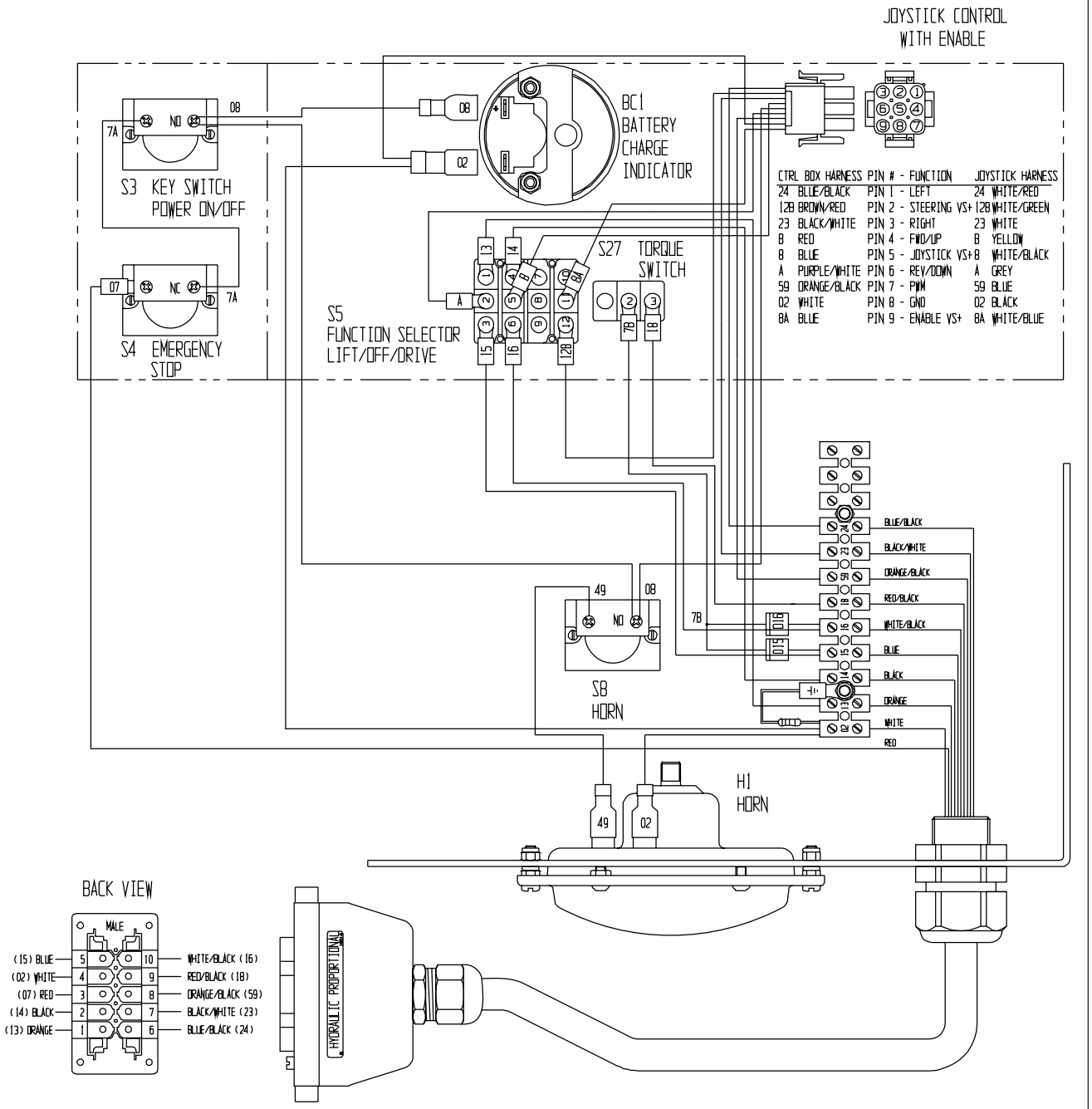


Figure 3.3-4. Control Box Diagram - ANSI/CSA (EE-Rated) Models Equipped With No Options



11033AA

Figure 3.4-1a. Electrical Panel Diagram - ANSI/CSA Models Equipped With No Options
(Refer to Serial No. Breakdown chart)

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60000966 & Below
3226	27002839 & Below
46XX	70003077 & Below

Refer to following page(s) to locate model, serial number and respective diagram
Figure 3.4-1b

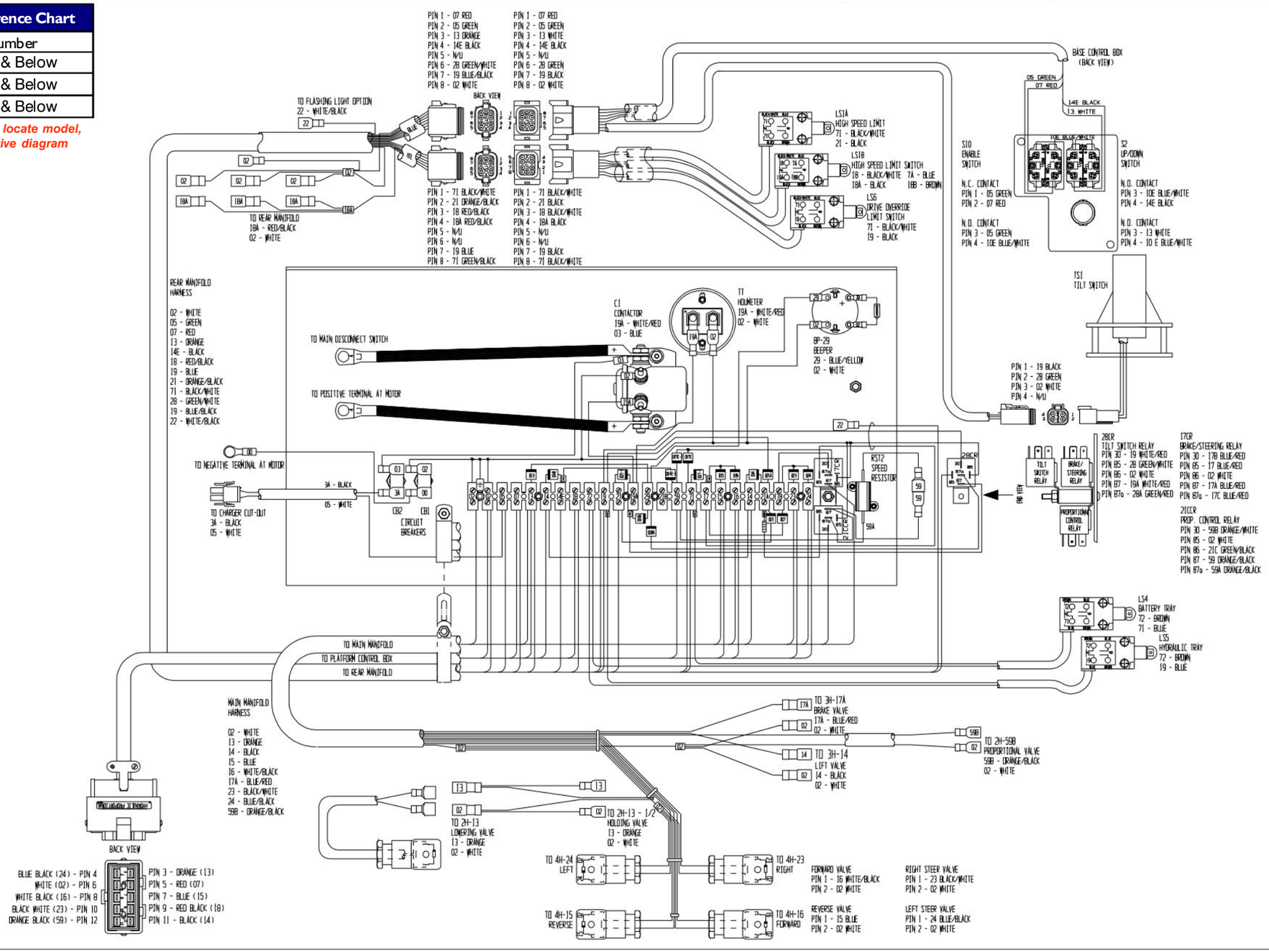


Figure 3.4-1b. Electrical Panel Diagram - ANSI/CSA Models Equipped With No Options
(Refer to Serial No. Breakdown chart)

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60000967 & Above
3226	27002840 & Above
46XX	70003078 & Above

Refer to following page(s) to locate model, serial number and respective diagram
Figure 3.4-1a

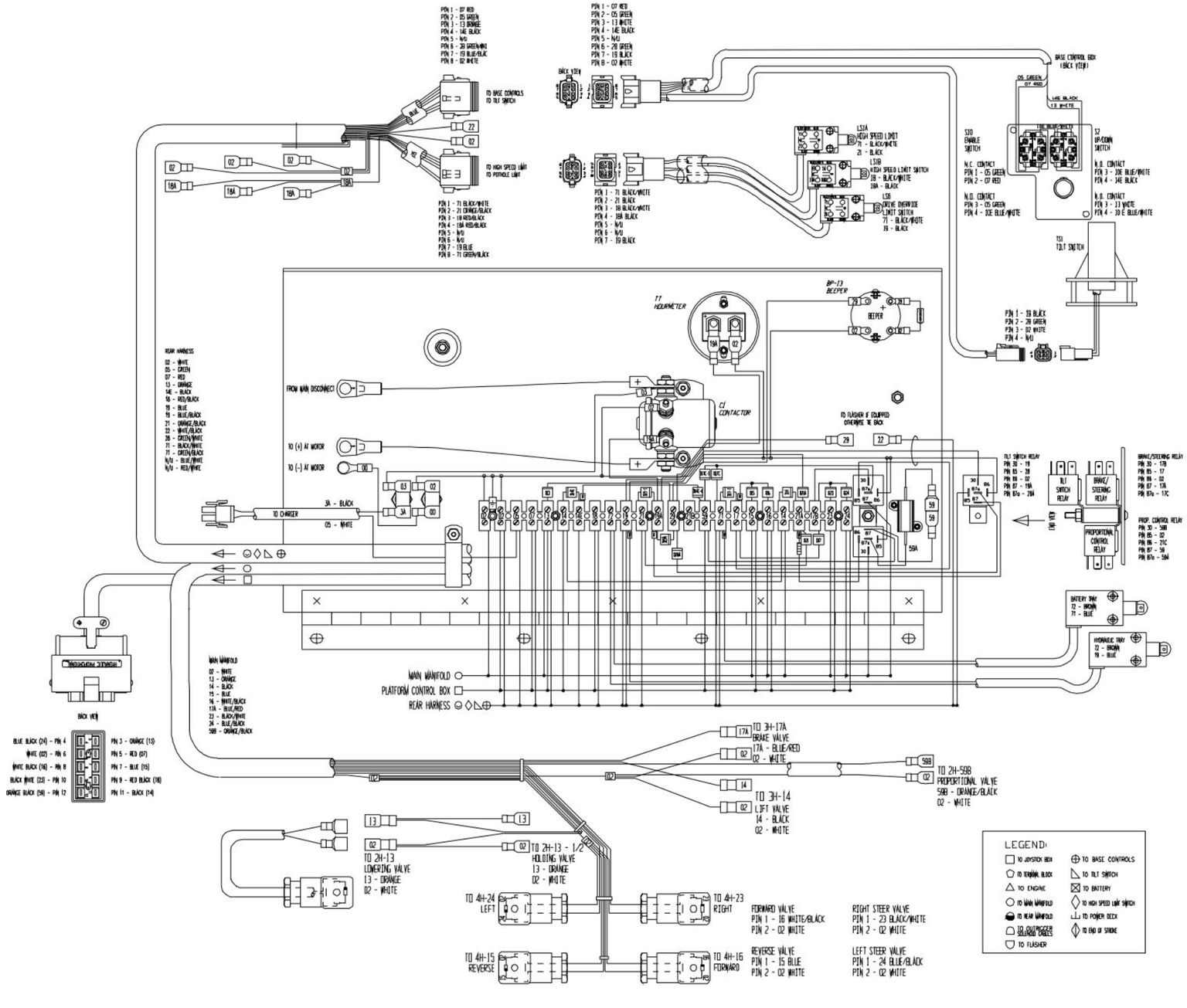


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Figure 3.4-2a. Electrical Panel Diagram - ANSI/CSA Models Equipped With All Options
(Refer to Serial No. Breakdown chart)

Serial Breakdown Reference Chart	
Model	Serial Number
3220	618279 & Below
3226	275999 & Below
4620	715239 & Below
4626	714944 & Below
4632	714576 & Below

60506AA

Refer to following page(s) to locate model, serial number and respective diagram
Figure 3.4-2b Figure 3.4-2c

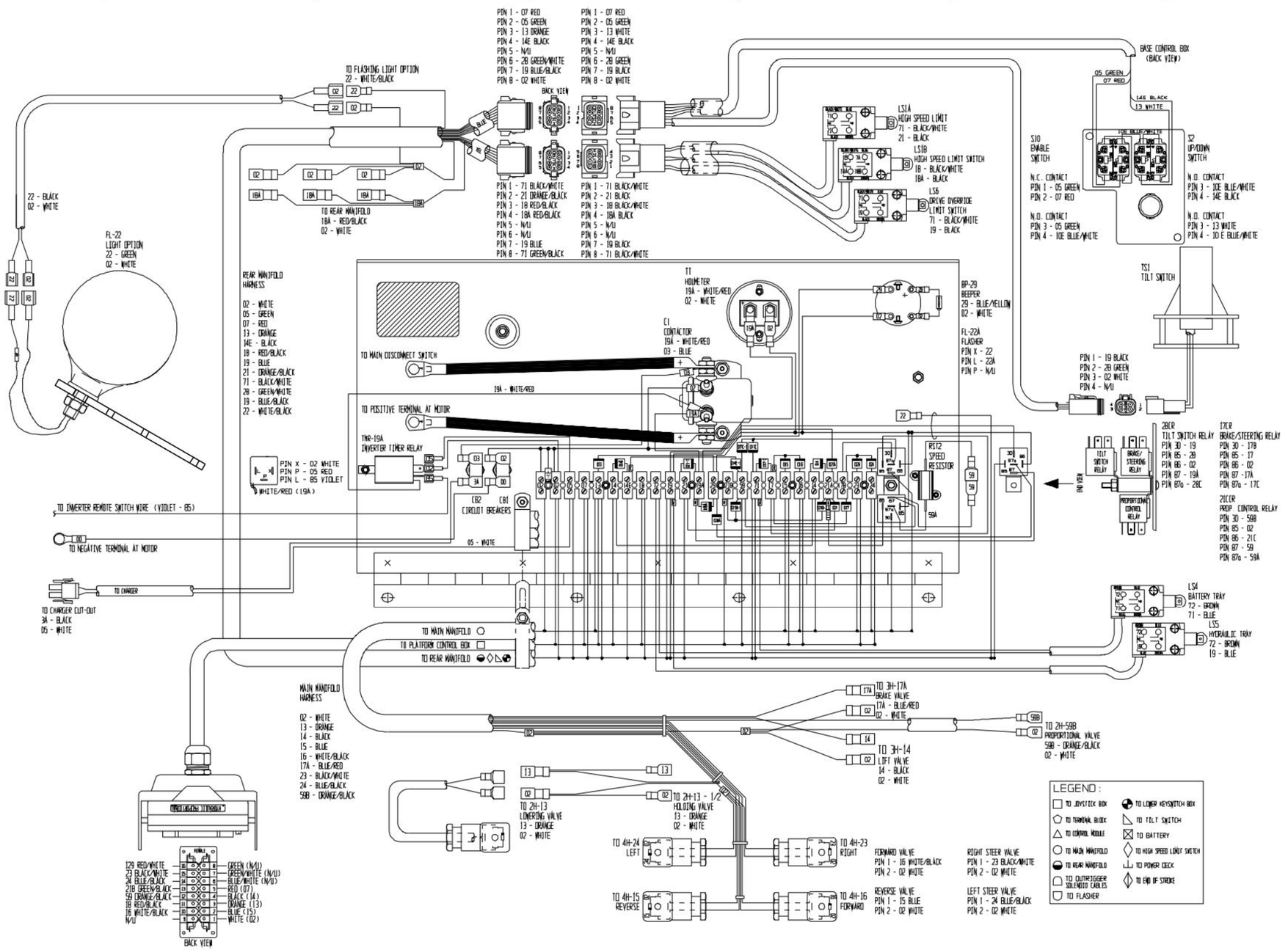


Figure 3.4-2b. Electrical Panel Diagram - ANSI/CSA Models Equipped With All Options
(Refer to Serial No. Breakdown chart)

AH

Serial Breakdown Reference Chart	
Model	Serial Number
3220	618280 to 60000966
3226	276000 to 27002839
46XX	714577 to 70003077

60 507 AA

Refer to following page(s) to locate model, serial number and respective diagram
Figure 3.4-2a Figure 3.4-2c

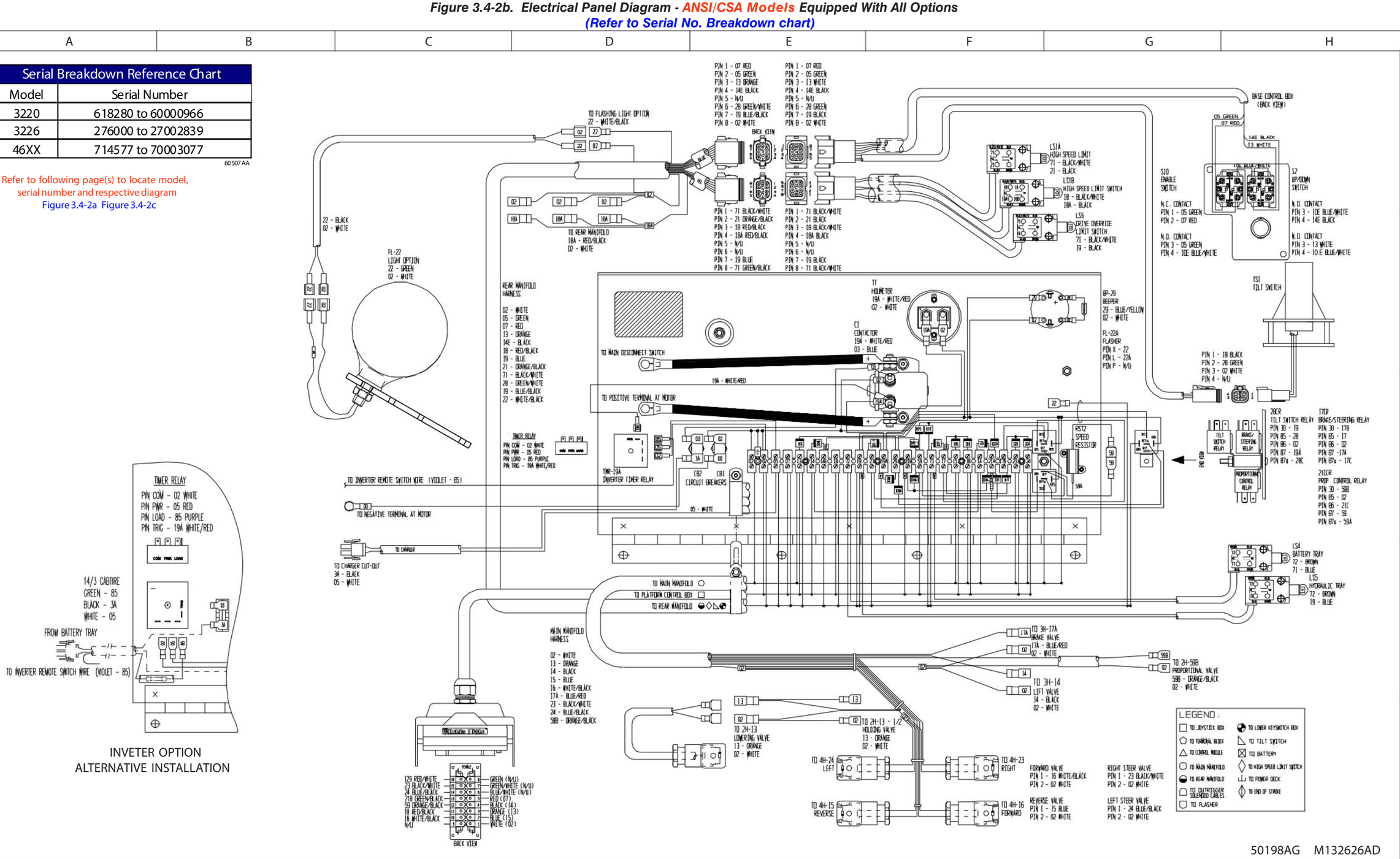
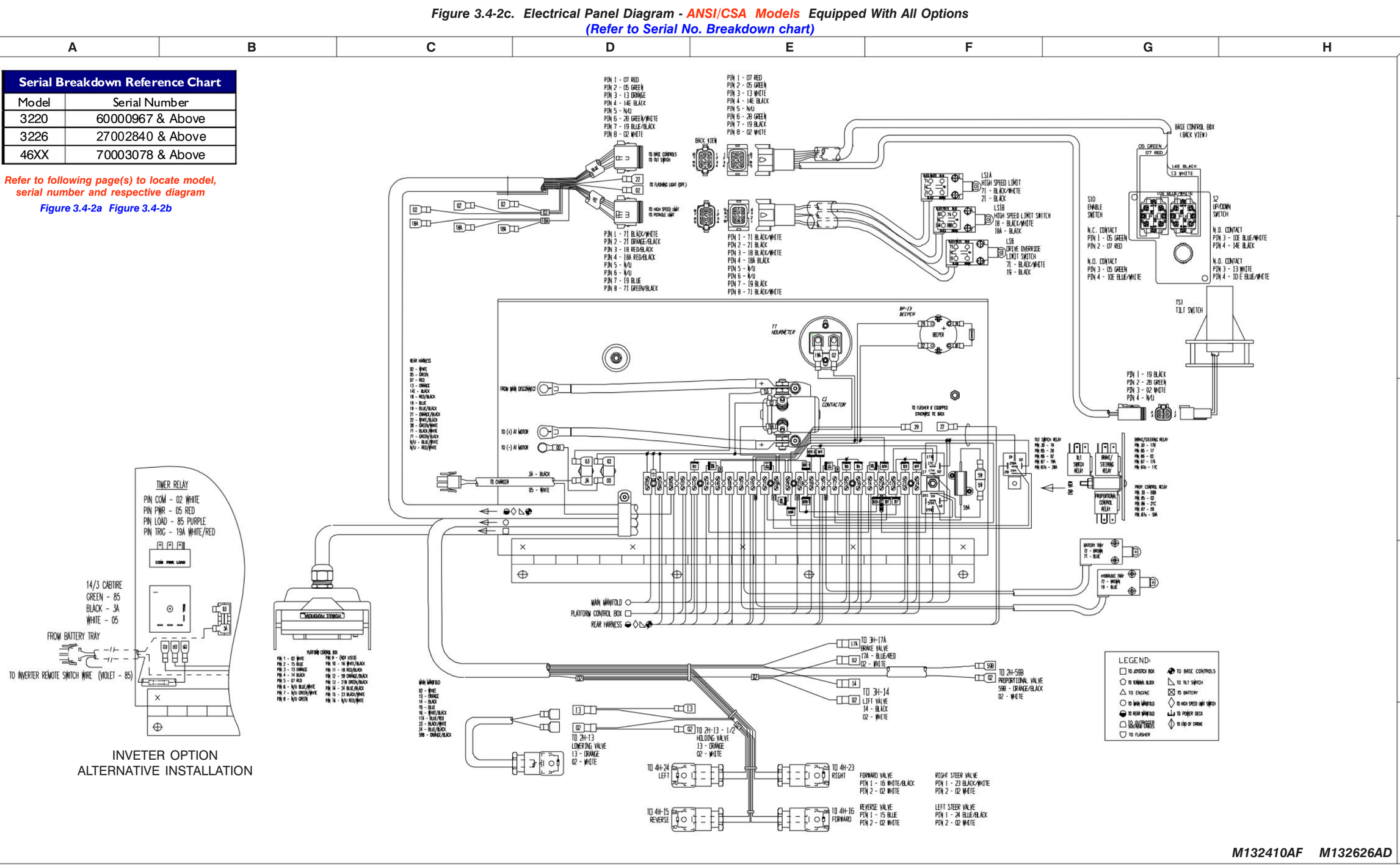


Figure 3.4-2c. Electrical Panel Diagram - ANSI/CSA Models Equipped With All Options
(Refer to Serial No. Breakdown chart)

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60000967 & Above
3226	27002840 & Above
46XX	70003078 & Above

Refer to following page(s) to locate model, serial number and respective diagram

Figure 3.4-2a Figure 3.4-2b



M132410AF M132626AD

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60000966 & Below
3226	27002839 & Below
46XX	70003077 & Below

Refer to following page(s) to locate model, serial number and respective diagram
Figure 3.4-3b

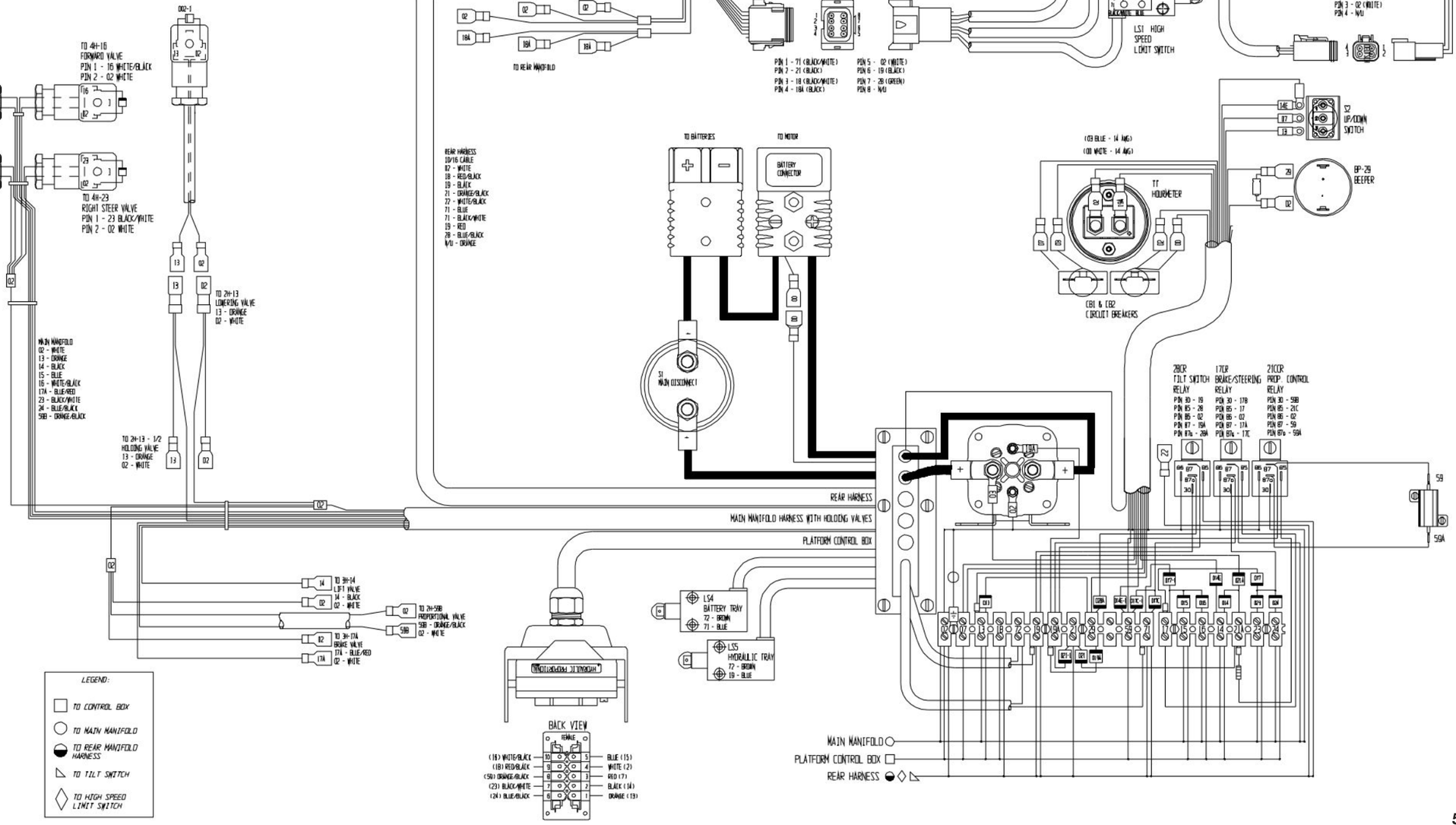


Figure 3.4-3b. Electrical Panel Diagram - ANSI/CSA EE Rated Models (No Options)

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60000967 & Above
3226	27002840 & Above
46XX	70003078 & Above

Refer to following page(s) to locate model, serial number and respective diagram

Figure 3.4-3a

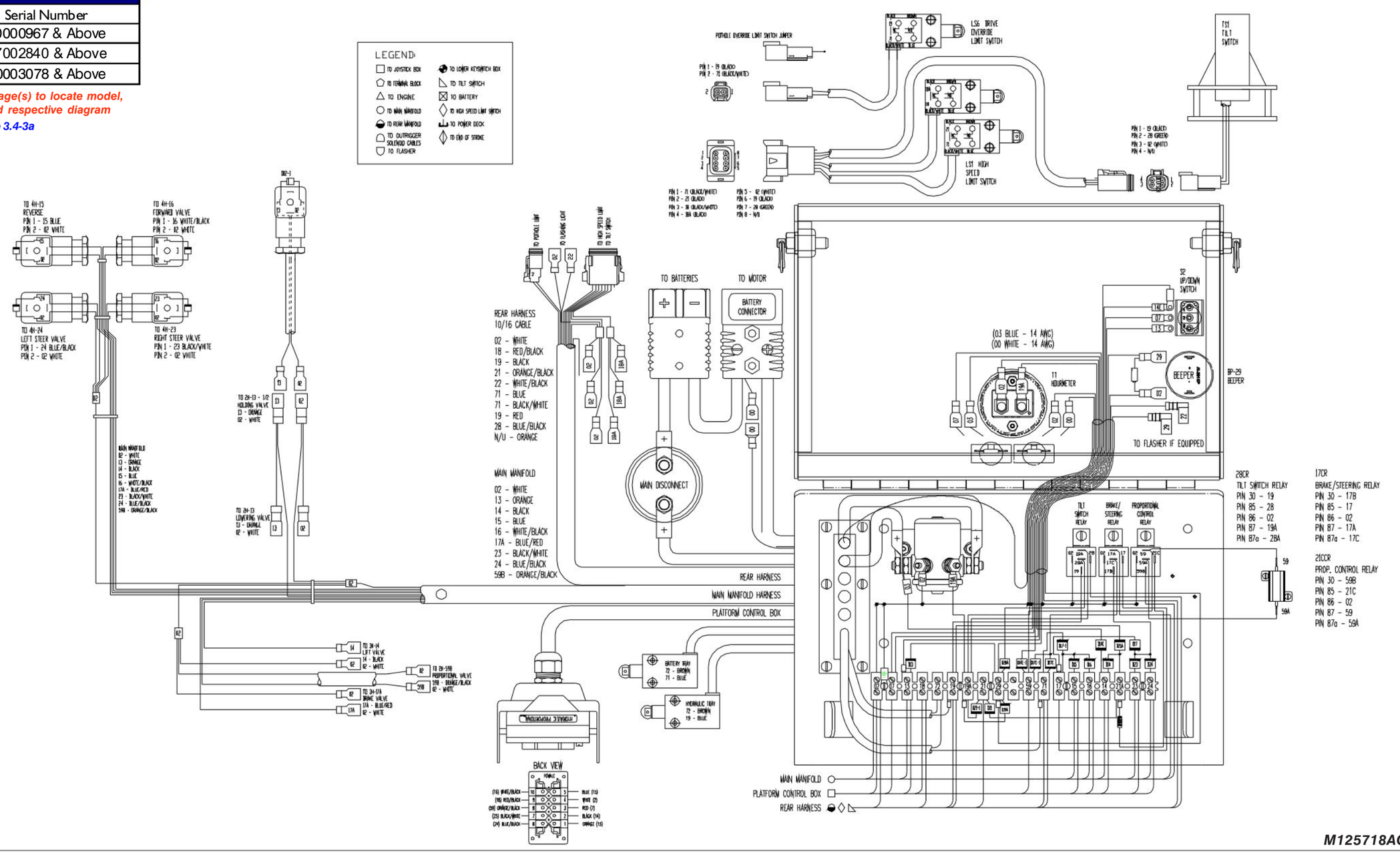


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Figure 3.4-4. Electrical Panel Diagram - ANSI/CSA EE Rated Models (All Options)

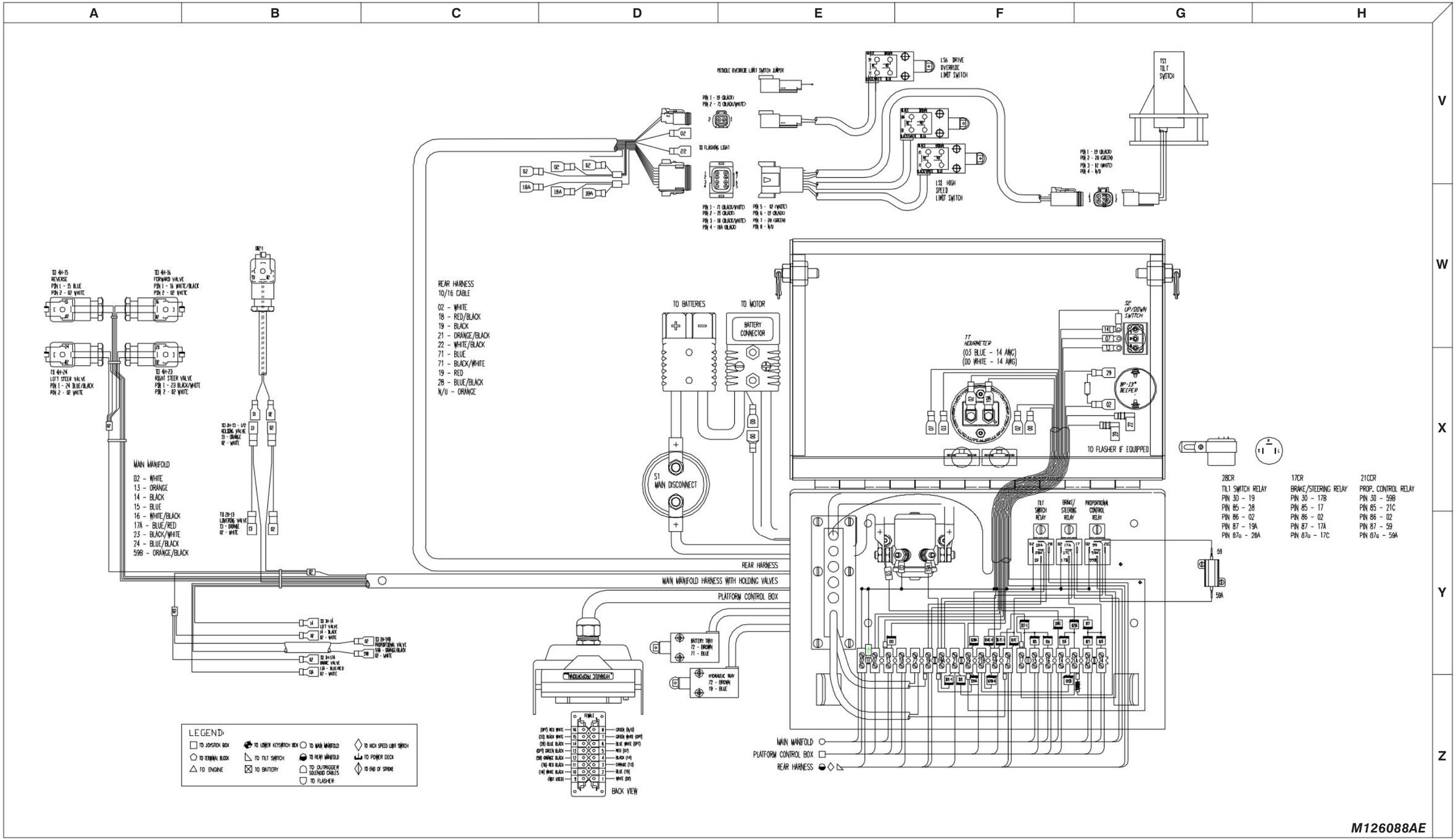


Figure 3.4-5a. Electrical Panel Diagram - CE Models Equipped With All Options
(Refer to Serial No. Breakdown chart)

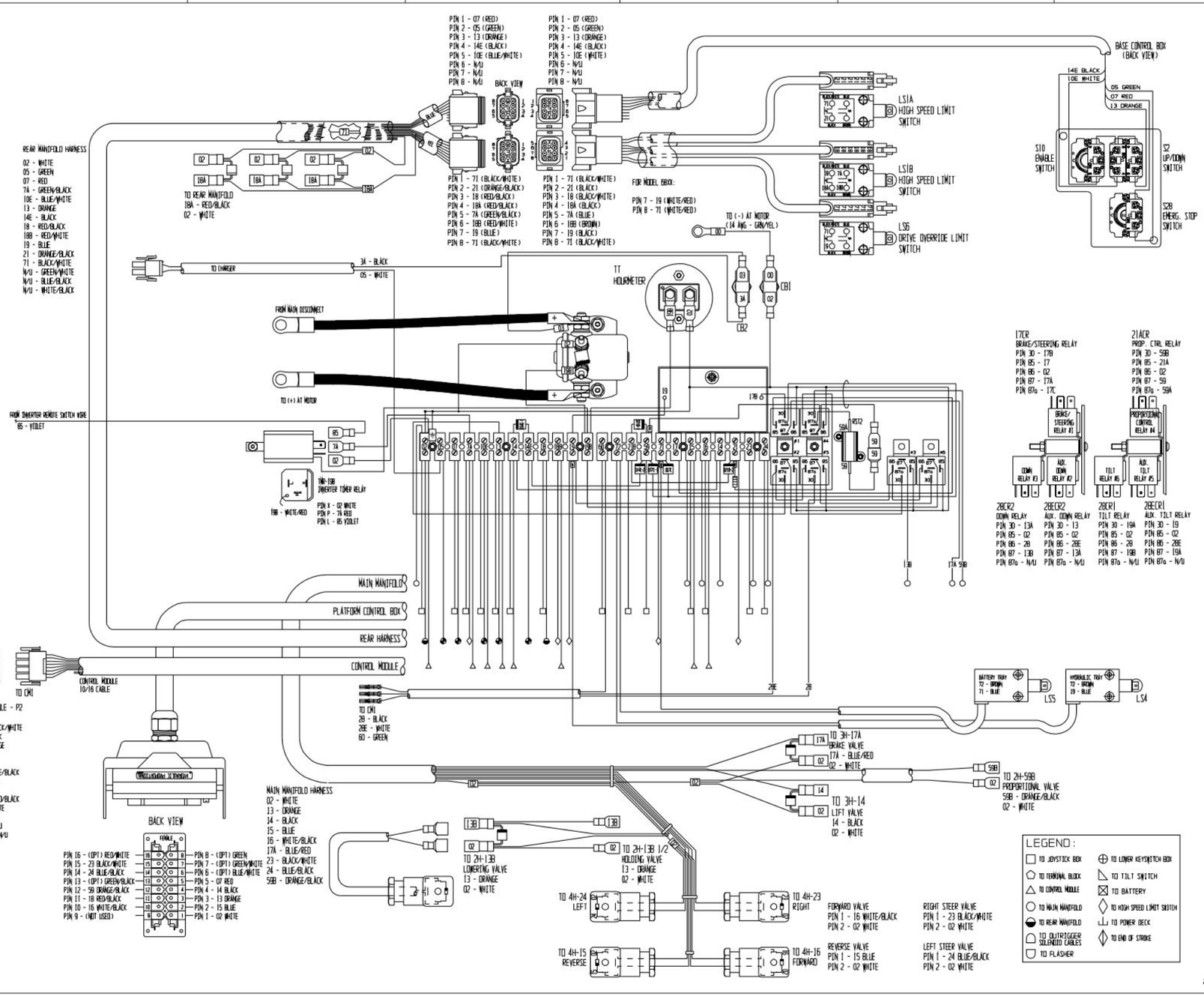
Note: For machines equipped with Load Sensing, refer to the Load Sensing supplement manual.

Serial Breakdown Reference Chart	
Model	Serial Number
3220	618279 & Below
3226	275999 & Below
4620	715239 & Below
4626	714944 & Below
4632	714576 & Below

60506AA

Refer to following page(s) to locate model, serial number and respective diagram

Figure 3.4-5b



50271AA

Figure 3.4-5b. Electrical Panel Diagram - CE Models Equipped With All Options
(Refer to Serial No. Breakdown chart)

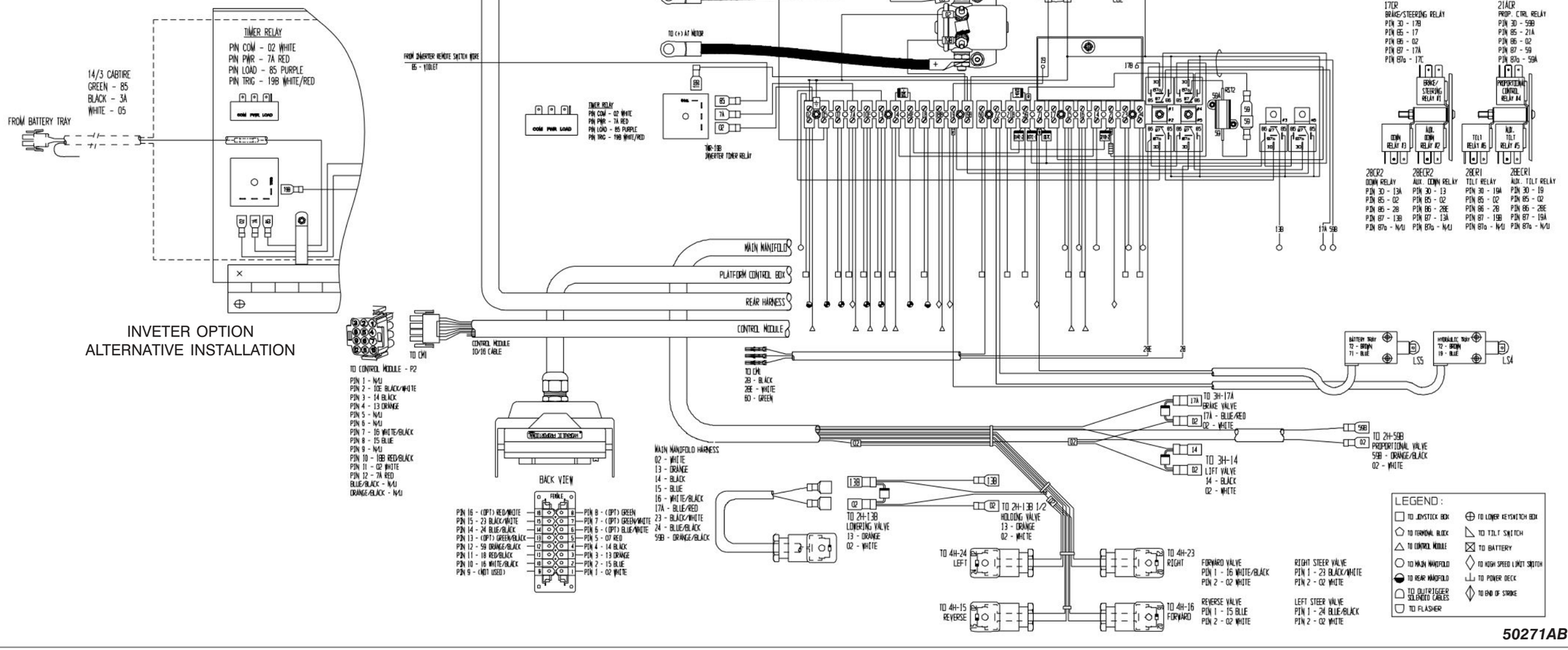
Note: For machines equipped with Load Sensing, refer to the Load Sensing supplement manual.

Serial Breakdown Reference Chart	
Model	Serial Number
3220	618280 & Above
3226	276000 & Above
4620	715240 & Above
4626	714945 & Above
4632	714577 & Above

60507AA

Refer to following page(s) to locate model, serial number and respective diagram

Figure 3.4-5a



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Serial Breakdown Reference Chart	
Model	Serial Number
3220	60001415 & Below
3226	27004129 & Below
46XX	70004265 & Below

Refer to following page(s) to locate model, serial number and respective diagram.
Figure 3.5-1b

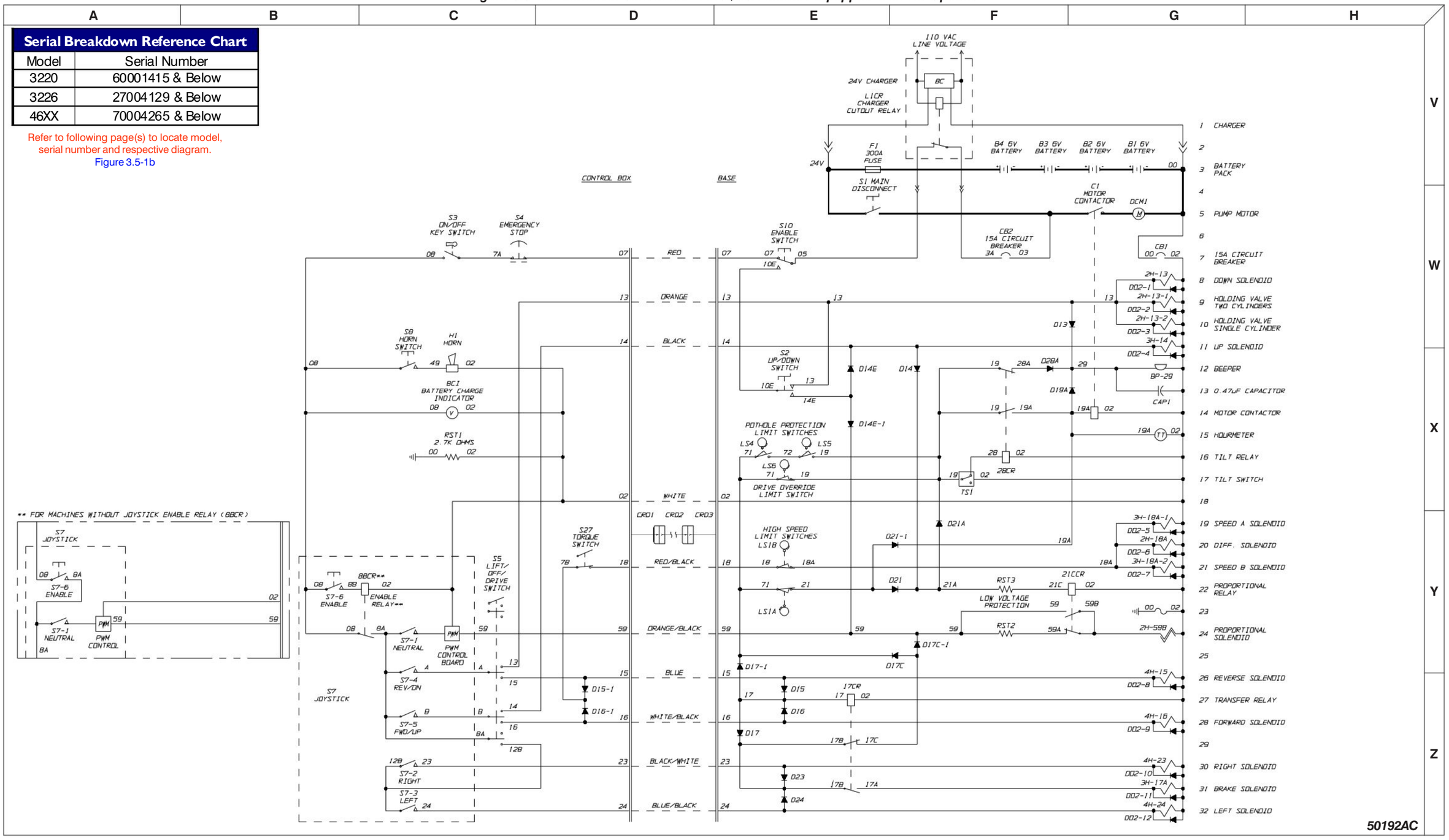


Figure 3.5-1b. Electrical Schematic - ANSI/CSA Models Equipped With No Options

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60001416 & Above
3226	27004130 & Above
46XX	70004266 & Above

Refer to following page(s) to locate model, serial number and respective diagram.
Figure 3.5-1a

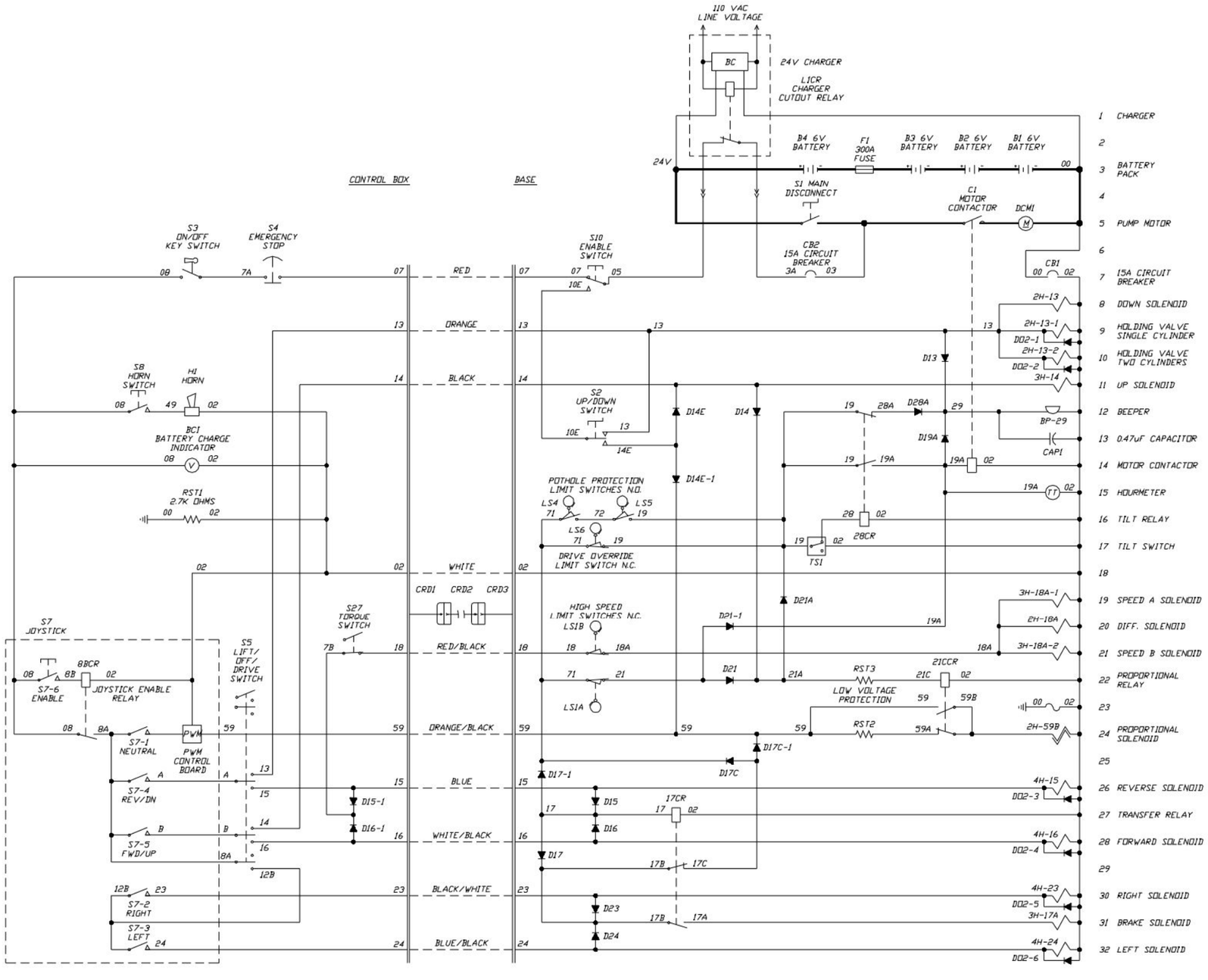


Figure 3.5-2a. Electrical Schematic - ANSI/CSA Models Equipped With All Options

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60001415 & Below
3226	27004129 & Below
46XX	70004265 & Below

Refer to following page(s) to locate model, serial number and respective diagram.
Figure 3.5-2b

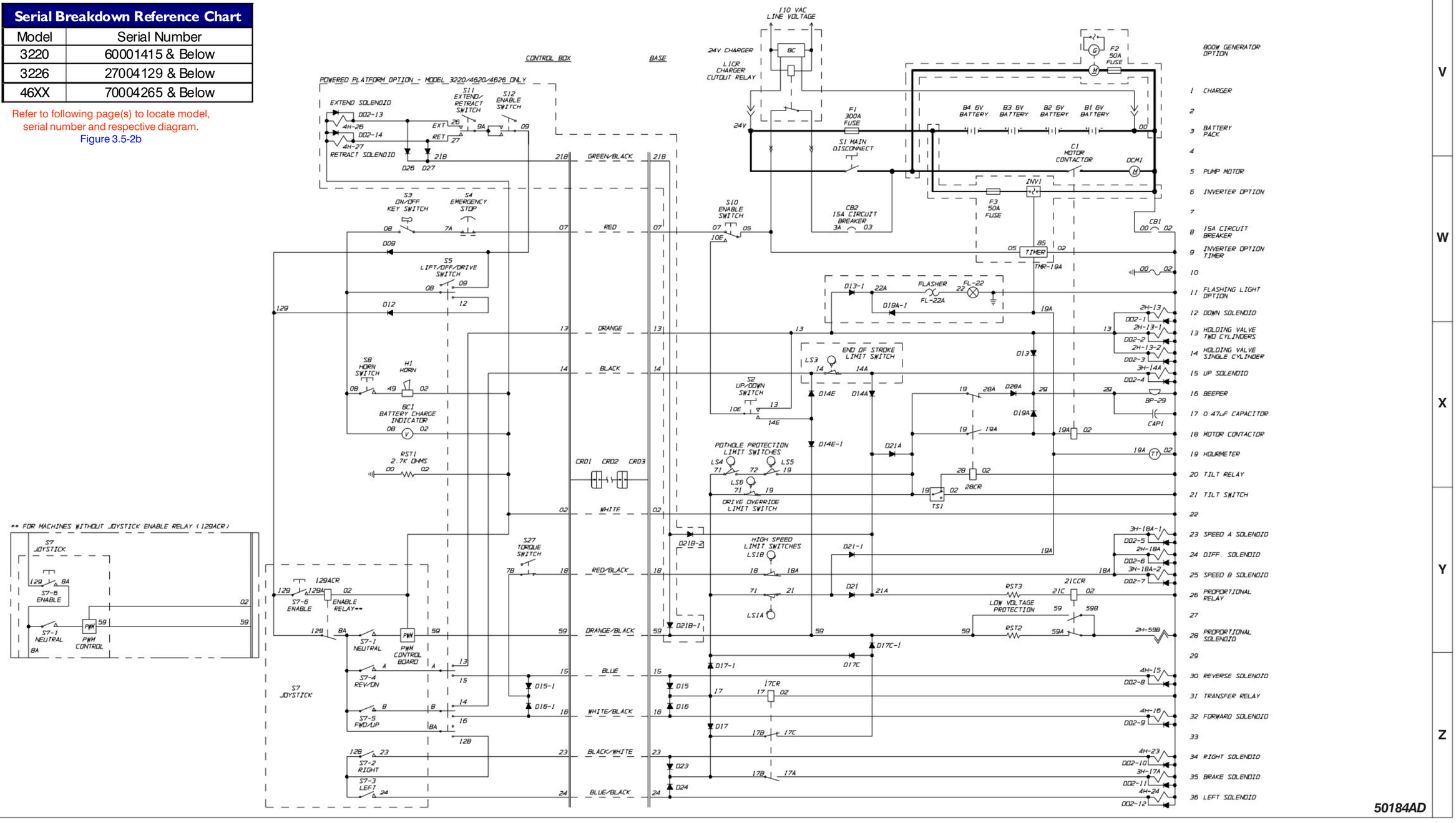


Figure 3.5-2b. Electrical Schematic - ANSI/CSA Models Equipped With All Options

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60001416 & Above
3226	27004130 & Above
46XX	70004266 & Above

Refer to following page(s) to locate model, serial number and respective diagram.
Figure 3.5-2a

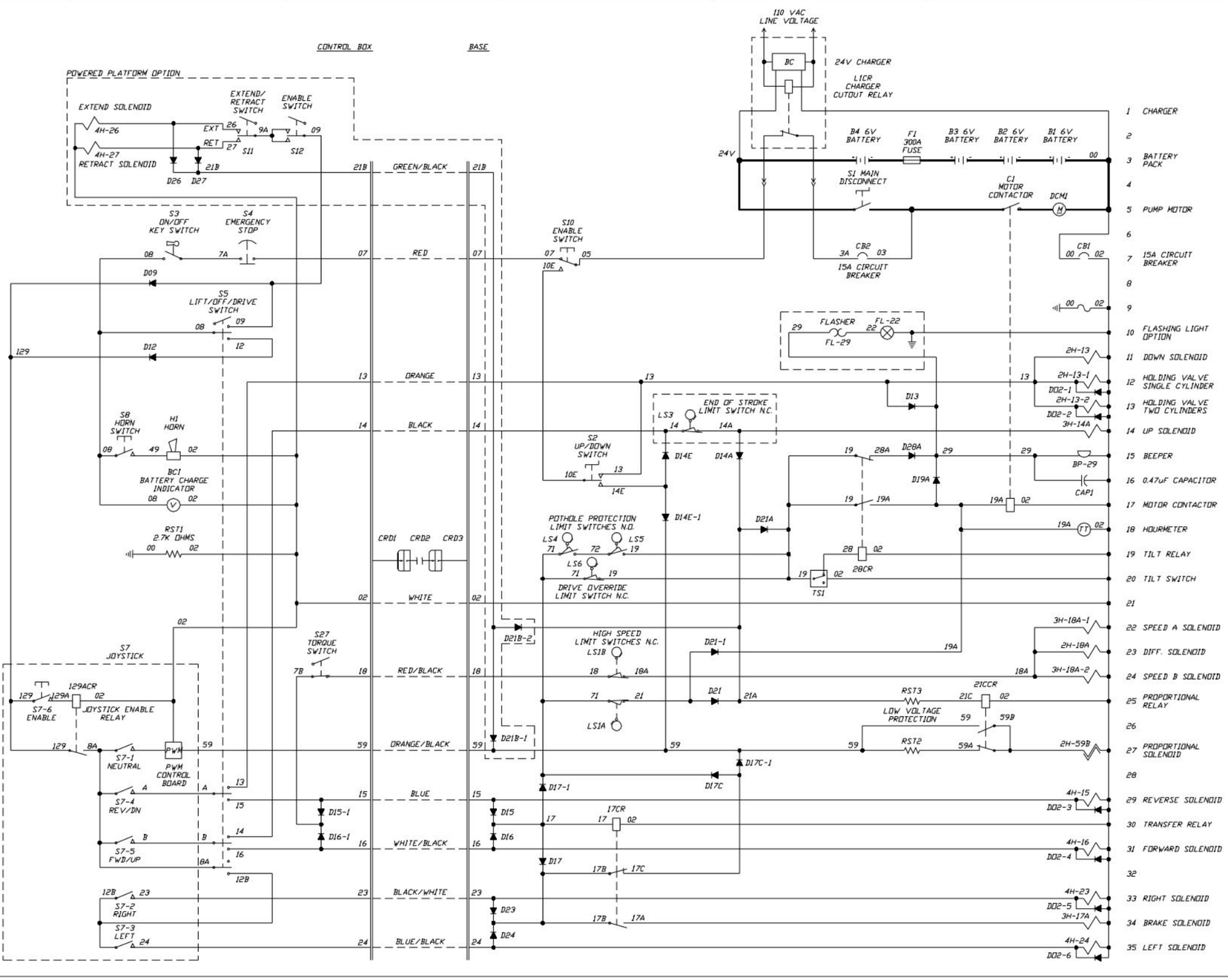


Figure 3.5-3. Electrical Schematic - ANSI/CSA EE Rated Models Equipped With NoOptions

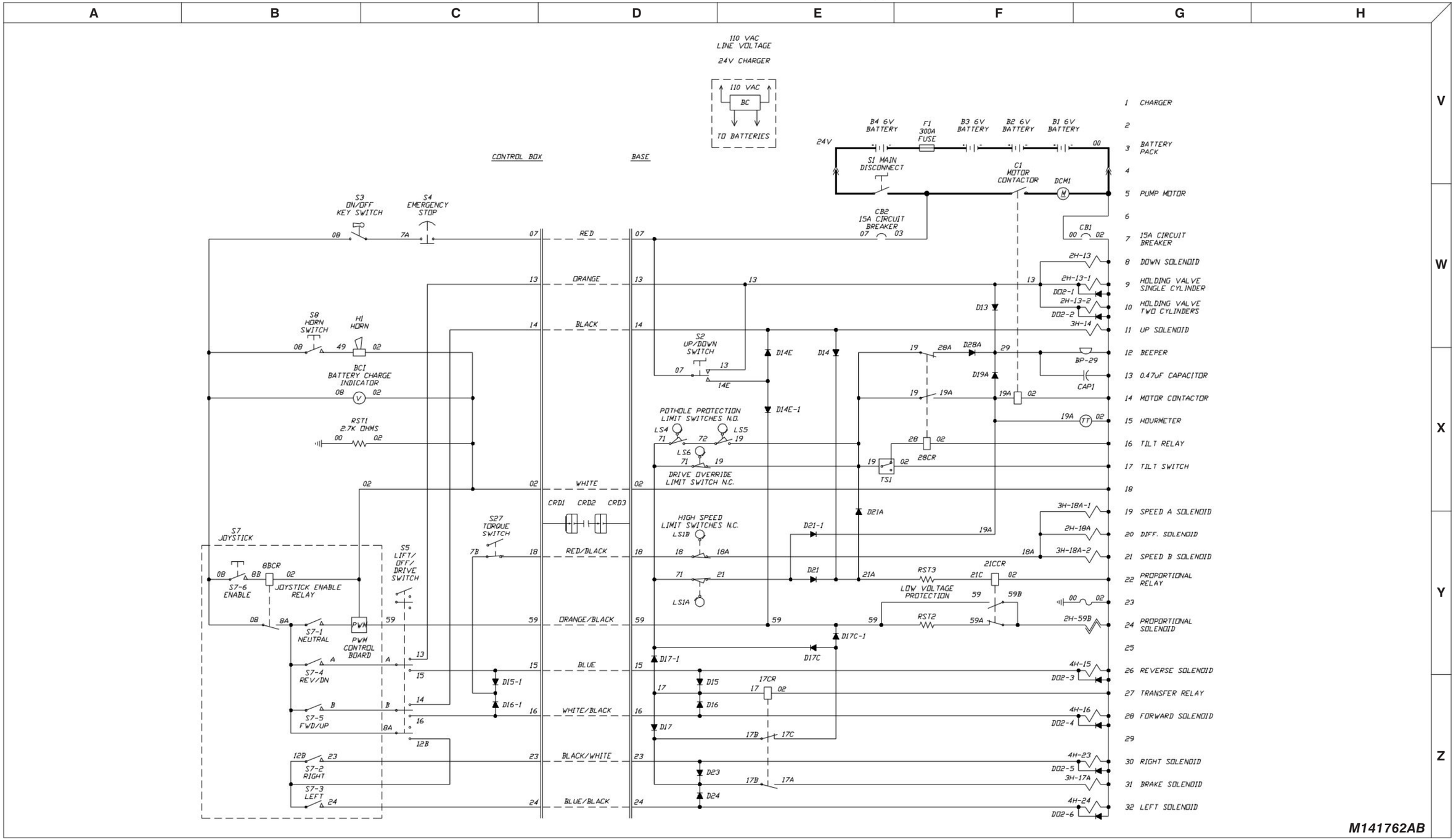
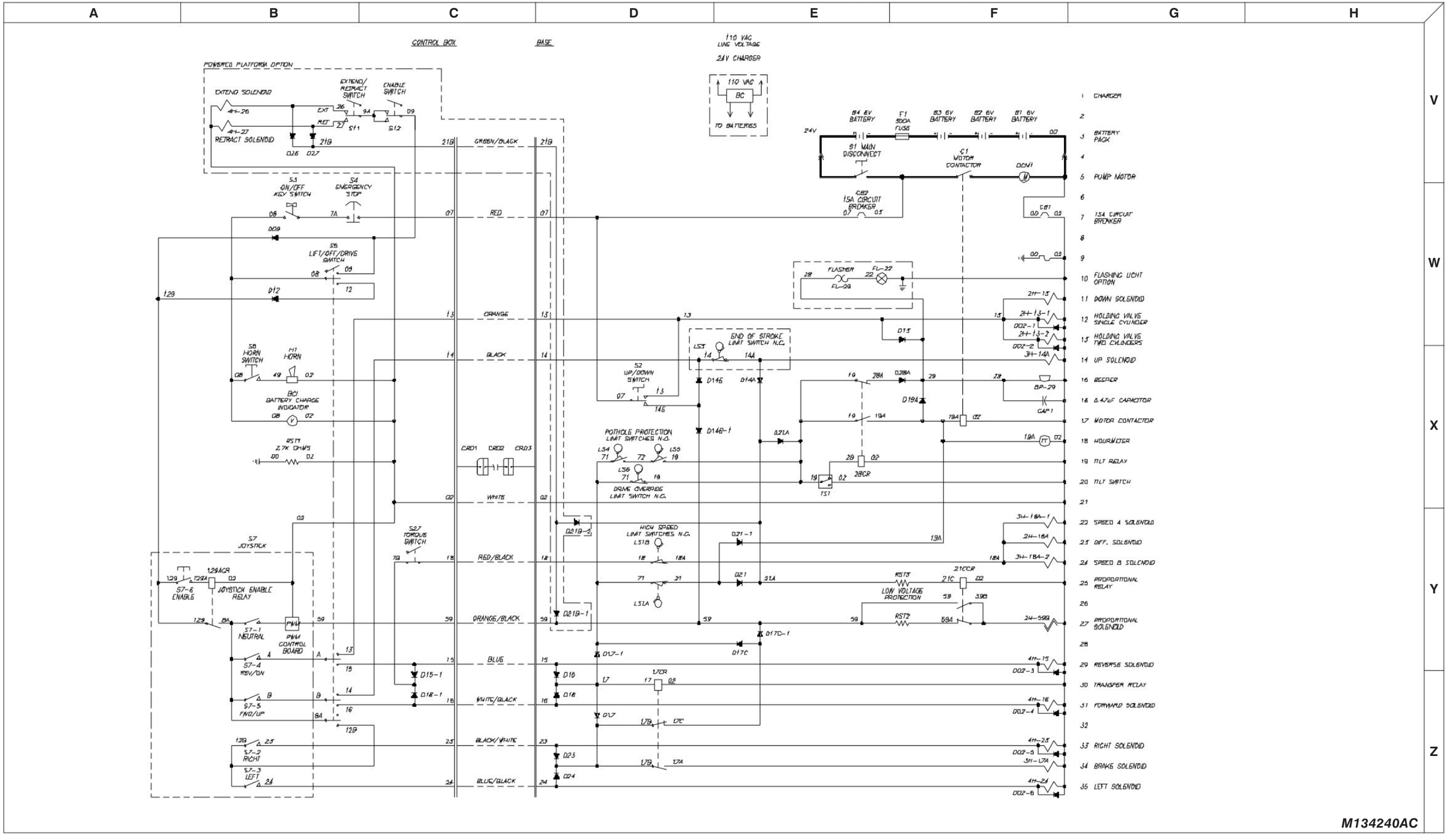


Figure 3.5-4. Electrical Schematic - ANSI/CSA EE Rated Models Equipped With All Options



Note: For machines equipped with Load Sensing, refer to the Load Sensing supplement manual.

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60001415 & Below
3226	27004129 & Below
46XX	70004265 & Below

Refer to following page(s) to locate model, serial number and respective diagram. Figure 3.5-5b

Figure 3.5-5a. Electrical Schematic - CE Models Equipped With All Options

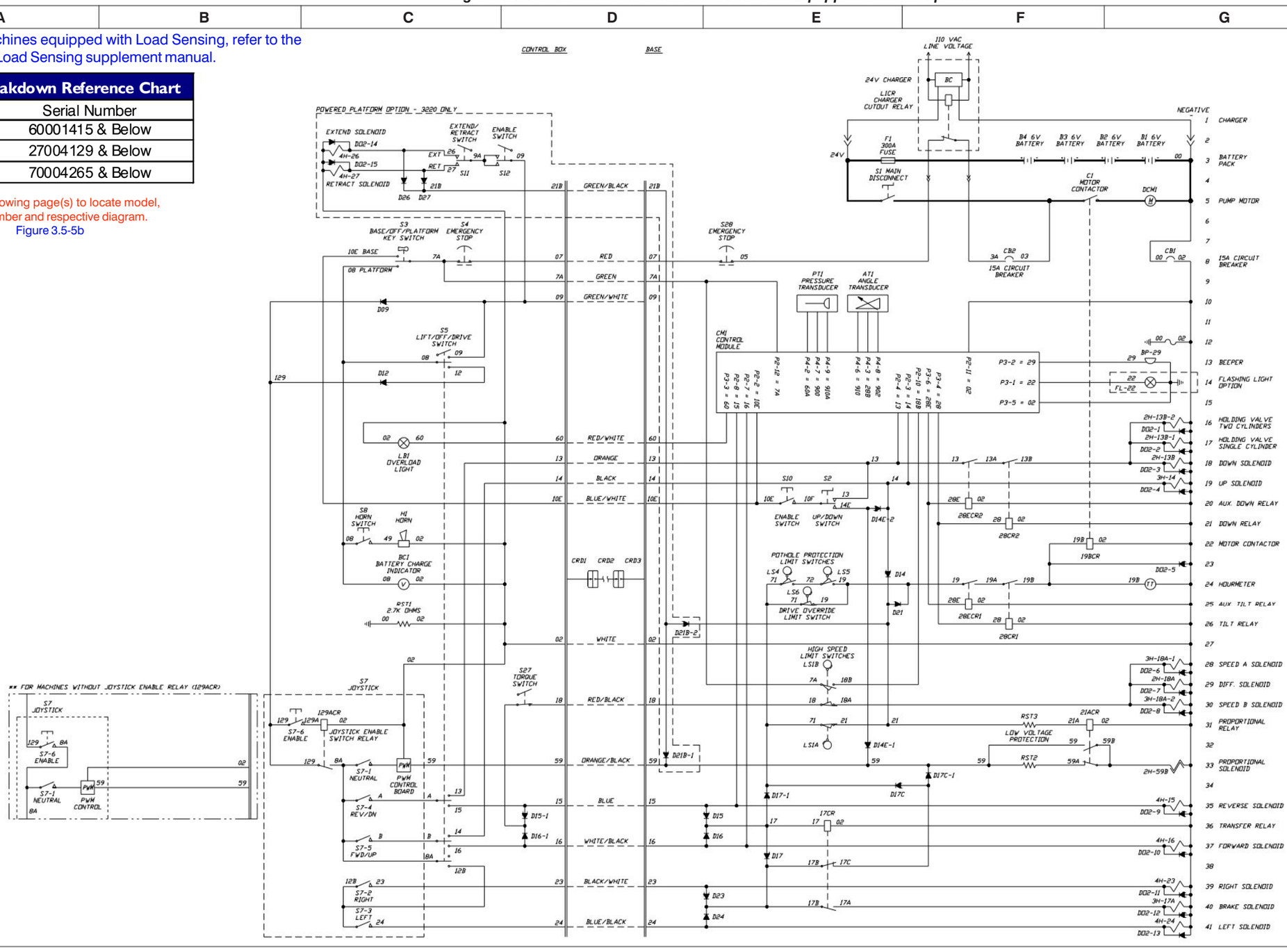


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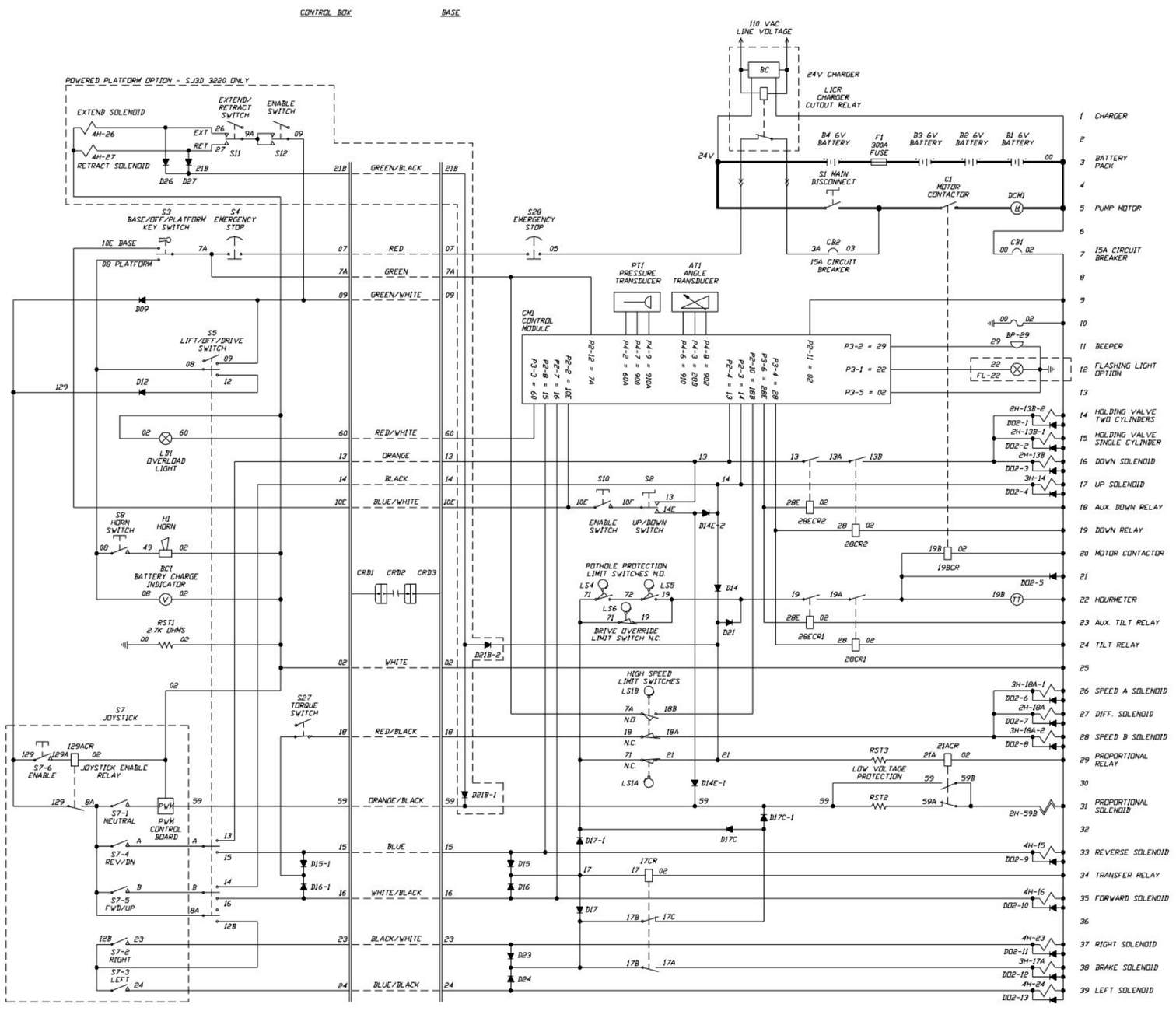
Figure 3.5-5b. Electrical Schematic - CE Models Equipped With All Options

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60001416 & Above
3226	27004130 & Above
46XX	70004266 & Above

Refer to following page(s) to locate model, serial number and respective diagram.
Figure 3.5-5a



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Section 4
Troubleshooting Information

Table Of Contents

4

Introduction

The following pages contain a Table of Troubleshooting information for locating and correcting most service trouble which can develop. Careful inspection and accurate analysis of the systems listed in the Table of Troubleshooting Information will localize the trouble more quickly than any other method. This manual cannot cover all possible troubles and deficiencies that may occur. If a specific trouble is not listed, isolate the major component in which the trouble occurs, isolate whether the problem is electrical or hydraulic, and then isolate and correct the specific problem.

Troubleshooting Information - Electrical System

Probable Cause	Remedy
4.1-1. All Controls Inoperative	
1. Battery Charger plugged into external power source.	1. Disconnect charger cord.
2. Batteries disconnected.	2. Connect batteries.
3. Dirty or loose battery terminals.	3. Clean and tighten connections.
4. Battery charge low.	4. Check each cell with hydrometer. Reading should be 1.275 (fully charged). Recharge if low reading. Replace if reading difference between cells is 0.050.
5. Main battery cables open or defective.	5. Check continuity. Replace if defective.
6. Fuse (F1) defective.	6. Replace fuse.
7. Main Battery Disconnect Switch (S1) open or defective.	7. Close switch. Check continuity. Replace if defective.
8. Loose or broken wire #3 from Motor Contactor (C1) to Circuit Breaker (CB2).	8. Check continuity. Replace if defective
9. Defective Battery Charger Relay (L1CR).	9. Check relay. Replace if defective.
10. Defective or tripped Circuit Breaker (CB2).	10. Reset circuit breaker. Replace if defective.
11. Loose or broken wire #5 from Charger Relay (L1CR) to Base Terminal Block (TB-1).	11. Check continuity. Replace if defective.
12. Loose or broken wire #5 from base terminal block (TB-1) to enable switch (S10).	12. Check continuity. Replace if defective.
13. Defective enable switch (S10).	13. Check switch replace if defective.
14. Loose or broken wire #00 from Pump Motor (DCM1) to Circuit Breaker (CB1).	14. Check continuity. Replace if defective.
15. Defective or tripped Circuit Breaker (CB1).	15. Reset circuit breaker. Replace if defective.
16. Loose or broken wire #2 from Circuit Breaker (CB1) to Base Terminal Block (TB-1).	16. Check continuity. Replace if defective.
17. Loose or broken wire #19A from Base Terminal Block (TB-1) to Contactor (C1).	17. Check continuity. Replace if defective.
18. Contactor (C1) defective.	18. Check contactor. Replace if defective.
19. Defective Pump Motor (DCM1).	19. Check motor. Replace if defective.
20. Loose or broken wire #59B from Relay (21CCR) to Proportional Valve Coil (2H-59B).	20. Check continuity. Replace if defective.
21. Loose or broken wire #02 from Proportional Valve Coil (2H-59B) to Base Terminal Block (TB-1).	21. Check continuity. Replace if defective.
22. Defective Proportional Valve Coil (2H-59B).	22. Check continuity through coil. Reading should be 19ohms. Replace if defective.
4.1-2. All Controls Inoperative From Platform	
1. Loose or broken wire #5 from the normally open contact to the normally closed contact on the enable switch (S10).	1. Check continuity. Replace if defective.
2. Defective normally closed contact on enable switch (S10).	2. Check continuity through contact. Replace if defective.
3. Loose or broken wire #7 from enable switch (S10) to base terminal block (TB-1).	3. Check continuity. Replace if defective.
4. Loose or broken wire #07 from Base Terminal Block (TB-1) to Platform Emergency Stop Switch (S4).	4. Check continuity. Replace if defective.
5. Open or defective Platform Emergency stop switch (S4).	5. Close switch. Replace if defective.
6. Loose or broken wire #7A from Platform Emergency Stop Switch (S4) to Key Switch (S3).	6. Check continuity. Replace if defective.
7. Open or defective Key Switch (S3).	7. Close switch. Replace if defective.

Probable Cause	Remedy
4.1-2. All Controls Inoperative From Platform (continued)	
8. Loose or broken wire #8 from Keyswitch (S3) to Battery charge Indicator (BCI).	8. Check continuity. Replace if defective.
9. Loose or broken wire #8 from Battery Charge Indicator (BCI) to Lift/Drive select switch (S5).	9. Check continuity. Replace if defective.
10. Defective Lift/Drive select switch (S5).	10. Check switch. Replace if defective.
4.1-3. Lift And Drive Inoperative From Platform Controls	
1. Defective Neutral Switch (S7-1) in Joystick Controller (S7).	1. Check switch. Replace if defective.
2. Defective A/B switch (S7-4) in Joystick Controller (S7).	2. Check switch. Replace if defective.
3. Circuit Board (PWM) defective.	3. Refer to Section 5, Joystick Controller Test Procedure.
4. Loose or broken wire #59 from Joystick Controller (S7) to Platform Terminal Block (TB-2).	4. Check continuity. Replace if defective.
5. Loose or broken wire #59 from Platform Terminal Block (TB-2) to Base Terminal Block (TB-1).	5. Check continuity. Replace if defective.
4.1-4. No Down Or Reverse Only Function From Platform Controls	
1. A/B Switch (S7-4) in Proportional Controller open or defective.	1. Check switch. Replace if defective.
2. Loose or broken wire "A" from Proportional Controller (S7) to Lift/Drive Switch (S5).	2. Check continuity. Replace if defective.
3. Lift/Drive Switch (S5) defective.	3. Check Switch. Replace if defective.
4.1-5. No Up Or Forward Only Function From Platform Controls	
1. A/B Switch (S7-5) in Proportional Controller open or defective.	1. Check switch. Replace if defective.
2. Loose or broken wire "B" from Proportional Controller (S7) to Lift/Drive Select Switch (S5).	2. Check continuity. Replace if defective.
3. Lift Drive Select Switch (S5) defective.	3. Check switch. Replace if defective.
4.1-6. No Up Function From Platform Or Base Controls	
1. Loose or broken wire #14A from Base Terminal Block (TB-1) to Up Valve Coil (3H-14A)	1. Check continuity. Replace if defective.
2. Defective Up Valve Coil (3H-14A)	2. Check continuity through coil. Replace if defective.
3. Open Diode (D21A).	3. Check diode. Replace if defective.
4. Open Diode (D14A).	4. Check diode. Replace if defective.
5. Machine not level.	5. Use on level surface.
6. Loose or broken wire 19 from Base Terminal Block (TB-1) to Tilt Switch (TS1).	6. Check continuity. Replace if defective.
7. Defective Tilt Switch (TS1).	7. Test Tilt switch. Replace if defective.
8. Loose or broken wire #28 from Tilt Switch (TS1) to Tilt Relay (28CR).	8. Check continuity. Replace if defective.
9. Loose or broken wire #02 from Tilt Switch (TS1) to Terminal Strip (TB-1).	9. Check continuity. Replace if defective.
10. Defective Tilt Relay (28CR).	10. Check relay. Replace if defective.
11. Loose or broken wire #19A from Tilt Relay (28CR) to Pump Motor Contactor.	11. Check continuity. Replace if defective.

Troubleshooting Information - Electrical System

Probable Cause	Remedy
4.1-7. No Down Function From Platform Controls (CE)	
1. Loose or broken wire #13 from lift/drive select switch (S5) to base terminal block (TB-1).	1. Check continuity. Replace if defective.
2. Loose or broken wire #13B from base terminal block (TB-1) to down valve (2H-13B) or holding valve (2H-13B-1 or 2H-13B-2).	2. Check continuity. Replace if defective.
3. Loose or broken wire #02 from base terminal block (TB-1) to down valve (2H-13B) or holding valve (2H-13B-1 or 2H-13B-2).	3. Check continuity. Replace if defective.
4. Defective down valve coil (2H-13B) or holding valve coil (2H-13B-1 or 2H-13B-2).	4. Check continuity. Replace if defective.
4.1-8. No Down Function From Platform Controls (NOTE: Down Function Is Not Proportionally Controlled)	
1. Loose or broken wire #13 from Lift/Drive Select Switch (S5) to base terminal Block (TB-1).	1. Check continuity. Replace if defective.
2. Loose or broken wire #13 from Base Terminal Block (TB-1) to Down Valve (2H-13).	2. Check continuity. Replace if defective.
3. Down valve coil (2H-13) defective.	3. Check continuity through coil. Replace if defective.
4. Loose or broken wire #2 from Down Valve Coil (2H-13) to Base Terminal Block (TB-1).	4. Check continuity. Replace if defective.
5. Loose or broken wire #13 from Down Valve Coil (2H-13) to Lift Cylinder Holding Valve(s) (2H-13-1) and (2H-13-2).	5. Check continuity. Replace if defective.
6. Defective Lift Cylinder Holding Valve Coil(s) (2H-13-1) and (2H-13-2).	6. Check continuity through coil. Replace if defective.
7. Loose or broken wire #02 from Lift Cylinder Holding Valve Coil(s) (2H-13-1) and (2H-13-2).	7. Check continuity. Replace if defective.
4.1-9. Platform Lifts Slow From Platform Controls And Base Controls	
1. Open Diode (D14E-2). (CE) or (D14) ANSI-CSA	1. Check diode. Replace if defective.
4.1-10. Steer Only Inoperative	
1. Defective Relay (17CR).	1. Check relay. Replace if defective.
2. Loose or broken wire #17C from Relay (17CR). to Diode (17C).	2. Check continuity. Replace if defective.
3. Open Diode (D17C).	3. Check diode. Replace if defective.
4. Open Diode (D17C-1).	4. Check diode. Replace if defective.
4.1-11. Drive Only Inoperative	
1. Open Diode (D17-1).	1. Check diode. Replace if defective.
4.1-12. No Drive Or Steer When Platform Fully Lowered (All Machines)	
1. Loose or broken wire #71 from Base Terminal Block (TB-1) to Drive Override Limit Switch (LS6).	1. Check continuity. Replace if defective.
2. Defective Drive Override Switch (LS6).	2. Check switch. Replace if defective.
3. Loose or broken wire #19 from Drive Override Limit Switch (LS6) to Base Terminal Block (TB-1).	3. Check continuity. Replace if defective.

Probable Cause	Remedy
4.1-13. No Drive Or Steer When Platform Elevated (All Machines)	
1. Pot Hole Protection Bars not fully lowered.	1. Clear obstructions. Repair as needed.
2. Loose or broken wire #71 from Base Terminal Block (TB-1) to Pot Hole Protection Limit Switch (LS4).	2. Check continuity. Replace if defective.
3. Defective Pot Hole Protection Limit Switch (LS4).	3. Check switch. Replace if defective.
4. Loose or broken wire #72 from Pothole Protection Limit Switch (LS4) to Base Terminal Block (TB-1).	4. Check continuity. Replace if defective.
5. Loose or broken wire #72 from Base Terminal Block (TB-1) to Pothole Protection Limit Switch (LS5).	5. Check continuity. Replace if defective.
6. Defective Pothole Protection Limit Switch (LS5).	6. Check switch. Replace if defective.
7. Loose or broken wire #19 from Pothole Protection Limit Switch to Base Terminal Block (TB-1).	7. Check continuity. Replace if defective.
4.1-14. No Drive Or Steer From Platform (Machines With Powered Platform Only)	
1. Defective Lift/Drive Select Switch (S5).	1. Check switch. Replace if defective.
2. Loose or broken wire #12 from Lift/Drive Select Switch (S5) to Platform Terminal Block (TB-2).	2. Check continuity. Replace if defective.
3. Loose or broken wire #12 from Platform Terminal Block (TB-2) to Powered Platform Limit Switch (LS2).	3. Check continuity. Replace if defective.
4. Open or defective Powered Platform Limit Switch (LS2).	4. Check switch. Replace if defective.
5. Loose or broken wire #12A from Powered Platform Limit Switch (LS2).	5. Check continuity. Replace if defective.
6. Loose or broken wire #12A from Powered Platform Limit Switch (LS2) to Platform Terminal Block (TB-2).	6. Check continuity. Replace if defective.
7. Open Diode (D12A).	7. Check diode. Replace if defective.
4.1-15. Right Steer Inoperative (Machines With a Powered Platform)	
1. Defective Right Steer Switch (S7-2).	1. Check switch. Replace if defective.
2. Loose or broken wire #23 from Right Steer Switch (S7-2) to Platform Terminal Block (TB-2).	2. Check continuity. Replace if defective.
3. Loose or broken wire #23 from Platform Terminal Block (TB-2) to Base Terminal Block (TB-1).	3. Check continuity. Replace if defective.
4. Loose or broken wire #23 from Base Terminal Block (TB-2) to Steer Right Valve Coil (4H-23).	4. Check continuity. Replace if defective.
5. Defective Steer Right Valve Coil (4H-23).	5. Check continuity through coil. Replace if defective.
6. Loose or broken wire #02 from Steer Right Valve Coil (4H-23) to Base Terminal Block (TB-1).	6. Check continuity. Replace if defective.
7. Open Diode (D23).	7. Check diode. Replace if defective.
4.1-16. Left Steer Inoperative (Machines With A Powered Platform)	
1. Defective Left Steer Switch (S7-3).	1. Check switch. Replace if defective.
2. Loose or broken wire #24 from Left Steer Switch (S7-3) to Platform Terminal Block (TB-2).	2. Check continuity. Replace if defective.
3. Loose or broken wire #24 from Platform Terminal Block (TB-2) to Base Terminal Block (TB-1).	3. Check continuity. Replace if defective.
4. Loose or broken wire #24 from Base Terminal Block (TB-1) to Steer Left Valve Coil (4H-24).	4. Check continuity. Replace if defective.
5. Defective Steer Left Valve Coil (4H-24).	5. Check continuity through coil. Replace if defective.
6. Loose or broken wire #02 from Steer Left Valve Coil (4H-24) to Base Terminal Block (TB-1).	6. Check continuity. Replace if defective.
7. Open Diode (D24).	7. Check diode. Replace if defective.

Probable Cause	Remedy
4.1-17. No Elevated Drive Function	
1. Loose or broken wire #59 from Proportional Relay (21CCR) to Resistor (RST2).	1. Check continuity. Replace if defective.
2. Resistor (RST2) open.	2. OHM Check Resistor, it should be 30 ohms. Replace if defective.
3. Loose or broken wire #59 from Resistor (RST2) to Proportional Relay (21CCR).	3. Check continuity. Replace if defective.
4. Proportional Relay (21CCR) defective.	4. Check relay, replace if defective.
4.1-18. Work Platform Drives In Slow Speed Only	
1. Loose or broken wire #71 from Base Terminal Block (TB-1) to High Speed Limit Switch (LS1).	1. Check continuity. Replace if defective.
2. Open or defective High Speed Limit Switch (LS1).	2. Check switch. Replace if defective.
3. Loose or broken wire #21 from High Speed Limit Switch (LS1) to Proportional Relay (21CCR).	3. Check continuity. Replace if defective.
4. Proportional Relay (21CCR) defective.	4. Check relay, replace if defective.
5. Loose or broken wire #2 from Proportional Relay (21CCR) to Base Terminal Block (TB-1).	5. Check continuity. Replace if defective.
6. Proportional Controller (S7) out of adjustment.	6. Adjust controller. Refer to Section 5, Joystick Adjusting Procedure.
4.1-19. Forward Drive Function Inoperative	
1. Loose or broken wire #16 from Lift/Drive Select Switch (S5) to Base Terminal Block (TB-1).	1. Check continuity. Replace if defective.
2. Loose or broken wire #16 from Base Terminal Block (TB-1) to Forward Drive Valve Coil (4H-16).	2. Check continuity. Replace if defective.
3. Forward Drive Valve Coil (4H-16) defective.	3. Check continuity through coil. Replace if defective.
4. Loose or broken wire #02 from Forward Drive Valve Coil (4H-16) to Base Terminal Block (TB-1).	4. Check continuity. Replace if defective.
5. Open Diode (D16).	5. Check diode. Replace if defective.
4.1-20. Reverse Drive Function Inoperative	
1. Loose or broken wire #15 from Lift/Drive Select Switch (S5) to Base Terminal Block (TB-1).	1. Check continuity. Replace if defective.
2. Loose or broken wire #15 from Base Terminal Block (TB-1) to Reverse Drive Valve Coil (4H-15).	2. Check continuity. Replace if defective.
3. Reverse Drive Valve Coil (4H-15) defective.	3. Check continuity through coil. Replace if defective.
4. Loose or broken wire #02 from Reverse Drive Valve Coil (4H-15) to Base Terminal Block (TB-1).	4. Check continuity. Replace if defective.
5. Open Diode (D15).	5. Check diode. Replace if defective.
4.1-21. Brake Will Not Release	
1. Loose or broken wire #17A from Transfer Relay (17CR) to Brake Valve Coil (3H-17A).	1. Check continuity. Replace if defective.
2. Brake Valve Coil (3H-17A) defective.	2. Check continuity through coil. Replace if defective.
3. Loose or broken wire #02 from Brake Valve Coil (3H-17A) to Base Terminal Block (TB-1).	3. Check continuity through coil. Replace if defective.
4. Open Diode (D17).	4. Check diode. Replace if defective.
5. Transfer Relay (17CR) defective.	5. Check relay. Replace if defective.

Probable Cause	Remedy
4.1-22. Lift Up Inoperative From Base Controls	
1. Defective Up/Down Switch (S2).	1. Check switch. Replace if defective.
2. Loose or broken wire #14E from Up/Down Switch (S2) to Diode (D14E-1).	2. Check continuity. Replace if defective.
3. Open Diode (D14E-1).	3. Check Diode. Replace if defective.
4. Loose or broken wire #14E from Up/Down Switch (S2) to Diode (D14E-2).	4. Check continuity. Replace if defective.
5. Open Diode (D14E-2).	5. Check Diode. Replace if defective.
4.1-23. Lift Down Inoperative From Base Controls	
1. Defective Up/Down Switch (S2).	1. Check switch. Replace if defective.
2. Loose or broken wire #13 from Up/Down Switch (S2) to Base Terminal Block (TB-1).	2. Check continuity. Replace if defective.
4.1-24. Two Or More Functions At One Time	
1. Shorted Diode.	1. Check continuity of all Diodes. Replace if defective.
4.1-25. Powered Platform Extension Will Not Extend Or Retract	
1. Lift/Drive Select Switch (S5) not in lift position.	1. Move switch to lift position.
2. Loose or broken wire #09 from Platform Terminal Block TB-2 to Powered Platform Enable Switch (S12).	2. Check continuity. Replace if defective.
3. Powered Platform Enable Switch (S12) defective.	3. Check switch. Replace if defective.
4. Loose or broken wire #09A from Powered Platform Enable Switch (S12) to Platform Extend/Retract Switch (S11).	4. Check continuity. Replace if defective.
5. Loose or broken wire #21B from Platform Terminal Block TB-2 to Base Terminal Block (TB-1).	5. Check continuity. Replace if defective.
6. Open Diode (D21B-1).	6. Check diode. Replace if defective.
7. Open Diode (D21B-2).	7. Check diode. Replace if defective.
8. Loose or broken wire #02 from Extend/Valve Coil (4H-26) to Retract Valve Coil (4H-27) to Platform Terminal Block (TB-2).	8. Check continuity. Replace if defective.
4.1-26. Powered Extension Platform Will Not Extend	
1. Powered Platform Extend/Retract Switch (S11) defective.	1. Check switch. Replace if defective.
2. Loose or broken wire #26 from Powered Platform Extend/Retract Switch (S11) to extend Valve Coil (4H-26).	2. Check continuity. Replace if defective.
3. Extend Valve Coil (4H-26) defective.	3. Check continuity through coil, replace if defective.
4. Open Diode (D26).	4. Check diode. Replace if defective.
5. Loose or broken wire #02 from Extend Valve Coil (4H-26).	5. Check continuity through coil. Replace if defective.

Probable Cause	Remedy
4.1-27. Powered Extension Platform Will Not Retract	
1. Powered Platform Extend/Retract Switch (S11) defective.	1. Check switch. Replace if defective.
2. Loose or broken wire #27 from Powered Platform Extend/ Retract Switch (S11) to Retract Valve Coil (4H-27).	2. Check continuity. Replace if defective.
3. Retract Valve Coil (4H-27) defective.	3. Check continuity through coil, replace if defective.
4. Open Diode (D27).	4. Check diode. Replace if defective.
5. Loose or broken wire #02 from Retract Valve Coil (4H-27).	5. Check continuity, replace if defective.
4.1-28. High/Low Torque Inoperative	
1. Open Diode (D15-1). (Reverse) or (D16-1) (Forward).	1. Check diode. Replace if defective.
2. Loose or broken wire #18 from Diodes (D15-1) and (D16-1) to High/Low Torque (S27).	2. Check continuity. Replace if defective.
3. Defective High/Low Torque Switch (S27).	3. Check switch. Replace if defective.
4. Loose or broken wire #18 from High/Low Torque Switch (S27) to Platform Terminal Block (TB-2).	4. Check continuity. Replace if defective.
5. Loose or broken wire #18 from Platform Terminal Block (TB-2) to Base Terminal Block (TB-1).	5. Check continuity. Replace if defective.
6. Loose or broken wire #18 from Base Terminal Block (TB-1) to High Speed Limit Switch (LS1)	6. Check continuity. Replace if defective.
7. Defective High Speed Limit Switch (LS1).	7. Check switch. Replace if defective.
8. Loose or broken wire #18A from High Speed Limit Switch (LS1) to Rear Drive Manifold.	8. Check continuity. Replace if defective.
9. Defective Speed Valve Coils (3H-18A-1) or (3H-18A-2).	9. Check continuity through coil. Replace if defective.
10. Loose or broken wire #02 from Rear Drive Manifold to Base Terminal Block (TB-1).	10. Check continuity. Replace if defective.

Probable Cause	Remedy
4.2-1. All Functions Inoperative	
1. Proportional Valve (2H-59B) defective or is sticking. 2. Compensator Valve (CMP1) defective or is sticking. 3. Pump (P1) defective.	1. Check valve. Replace if defective. 2. Check valve. Replace if defective. 3. Check pump. Replace if defective.
4.2-2. Platform Drifts Down	
1. Defective Lift Cylinder Seals. 2. Combination of: Defective Holding Valves (2H-13-1) and (2H-13-2) and either defective Lowering Valve (2H-13) or Relief Valve (R2) or Manual Lowering Valve (V1).	1. Rebuild cylinder. Replace if damaged. 2. Check valves. Replace if defective.
4.2-3. Platform Lifts Slowly	
1. Open or leaking Manual Lowering Valve (V1). 2. Lift Relief Valve (R2) defective. 3. Open Manual Override on Holding Valve (2H-13-1) or (2H-13-2).	1. Close valve. Replace if defective. 2. Check valve. Replace if defective. 3. Depress and turn manual override clockwise to close. Replace if defective.
4.2-4. Platform Does Not Lift	
1. Open Manual Lowering Valve (V1). 2. Hydraulic oil level too low. 3. Platform weight excessive. 4. Up Valve (3H-14) defective or is sticking.	1. Close valve. Replace if defective. 2. Fully lower the platform. Fill hydraulic tank until fluid is at or slightly above the top mark on the sight glass. 3. Reduce platform load to maximum capacity. 4. Check valve. Replace if defective.
4.2-5. Platform Will Not Lower (NOTE: Down Function Is NOT Proportionally Controlled)	
1. Lowering Valve (2H-13) defective or is sticking. 2. Defective Holding Valve (2H-13-1) or (2H-13-2).	1. Clean valve. Replace if defective. 2. Check valve. Replace if defective.
4.2-6. Platform Drives Slow	
1. Free-Wheeling Valve (V2) open or defective. 2. Flow Divider/Combiner (FD1) defective or is plugged. 3. Drive Motor (M1) or (M2) defective. 4. Cushion Cylinder (C-1) defective.	1. Close valve. Replace if defective. 2. Check valve. Replace if defective. 3. Check motors. Replace if defective. 4. Check cylinder. Replace if defective.
4.2-7. Platform Will Not Drive In Forward Or Reverse	
1. Open Free-Wheeling Valve (V2). 2. Forward Drive Valve (4H-16) or Reverse Drive Valve (4H-15) defective or is sticking. 3. Flow/Divider/Combiner Valve (FD1) defective or is plugged. 4. Counterbalance Valve (CB1) defective or is plugged.	1. Close Valve. Replace if defective. 2. Clean Valve. Replace if defective. 3. Clean Valve. Replace if defective. 4. Clean Valve. Replace if defective.
4.2-8. Brake(s) Will Not Release	
1. Brake Valve (3H-17A) defective or is sticking. 2. Brake Orifice(s) (05) plugged. 3. Brake Cylinder(s) (C4) defective. (Machines with Integral Brakes) 4. Plugged or defective brake orifice (07). 5. Damaged integral brake in wheel motor.	1. Clean valve. Replace if defective. 2. Remove orifice(s). Clean and reinstall. 3. Rebuild cylinder(s). Replace if damaged. 4. Clear obstruction. Replace if defective. 5. Inspect wheel motor assembly. Repair and replace as necessary.

Probable Cause	Remedy
4.2-9. Brake(s) Will Not Release (Machines with Integral Brakes)	
1. Stuck or defective auto reset value (V3).	1. Check valve operation. Clean valve. Replace if defective.
2. Stuck or defective hand pump (P2).	2. Check pump operation. Clean pump. Replace if defective.
3. Defective internal brake piston seals.	3. Check brake pack will maintain pressure. If pressure is not maintained replace seals.
4.2-10. Machine Will Not Hold on a Grade (Machined with Integral Brakes)	
1. Worn or damaged brake discs.	1. Inspect brake discs for wear. Replace if worn or damaged.
2. Broken or damaged brake compression springs.	2. Check springs. Replace if defective.
4.2-11. Platform Does Not Steer	
1. Right Steer Valve (4H-23) or Left Steer Valve (4H-24) defective or sticking.	1. Clean valve. Replace if defective.
2. Steer Cylinder (C3) seals leaking.	2. Rebuild cylinder(s). Replace if damaged.
3. Mechanical binding in King Pins.	3. Check for binding. Repair as needed.
4. Orifices (03) plugged.	4. Clean Orifices, and reinstall.
4.2-12. All Systems Sluggish	
1. System Relief Valve defective or not adjusted properly.	1. Adjust valve. Replace if defective.
2. Hydraulic pump (P1) worn.	2. Check pump. Replace if defective.
3. Compensator Valve (CMP1) defective.	3. Clean. Replace if defective.
4. Proportional Valve (2H-59B) contaminated or defective.	4. Clean, replace if defective.
4.2-13. Power Extension Platform Will Not Extend Or Retract	
1. Platform Extend Valve (4H-26) or Platform Retract Valve (4H-27) defective or is sticking.	1. Clean valve. Replace if defective.
2. Powered Platform Cylinder (C5) seals defective.	2. Rebuild cylinder. Replace if damaged.
3. Mechanical binding in powered platform mechanism.	3. Check for binding. Repair as needed.
4.2-14. High/Low Torque Inoperative	
1. Stuck Speed Valve (3H-18A-1).	1. Clean valve. Replace if defective.
2. Stuck Speed Valve (3H-18A-2).	2. Clean valve. Replace if defective.

Section 5
Maintenance And Service

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Operator's Responsibility For Maintenance

Death or injury can result if the work platform is not kept in good working order. Inspection and maintenance should be performed by competent personnel who are familiar with mechanical procedures.

The operator should be assured that the work platform has been properly maintained and inspected before using it.

Even if the operator is not directly responsible for the maintenance of this work platform, the operator should perform ALL the daily inspections in the Maintenance and Inspection Schedule (Table 2-5.) found in Section 2 of this manual.

Note

Replace all worn, damaged or missing parts or labels discovered during this inspection.

Danger
Crushing Hazard

DO NOT reach through scissors assembly without the safety bar properly positioned. **Failure to avoid this hazard will result in death or serious injury!**

Maintenance And Inspection Schedule

The actual operating environment of the work platform governs the use of the maintenance schedule. The inspection points covered in the Maintenance and Inspection Schedule (Section 2, Table 2-5.) indicates the areas of the work platform to be maintained or inspected and at what intervals the maintenance and inspections are to be performed.

Owner's Annual Inspection Record

It is the responsibility of the owner to arrange daily, weekly, monthly and annual inspections of the work platform. The Owner's Annual Inspection Record (Table 2-2. in Section 2) is to be used for recording the date of inspection, owner's name and the person responsible for the inspection of this work platform.

General Maintenance Hints

- Properly position safety bar if the scissors assembly is raised.
- Before attempting any repair work, disconnect the battery ground (-) lead.
- Preventive maintenance is the easiest and least expensive type of maintenance.

Hydraulic System And Component Maintenance And Repair

The following points should be kept in mind when working on the hydraulic system or any component:

1. Any structure has limits of strength and durability. To prevent failure of structural parts of hydraulic components, relief valves which limit pressure to safe operating values are included in the hydraulic circuits.

2. Tolerance of working parts in the hydraulic system are very close. Even small amounts of dirt or foreign material in the system can cause wear or damage to components, as well as general faulty operation of the hydraulic system. Every precaution must be taken to assure absolute cleanliness of the hydraulic oil.

3. Samples of hydraulic oil should be drawn from the reservoir every six months. These samples should be about two quarts and should be taken while the oil is warmed through normal operation of the system. If possible, the sample should be analyzed by a qualified lubrication specialist to determine whether it is suitable for further use. The intervals between oil changes depend on operating conditions and on the care used in keeping the oil clean.

4. Whenever there is a hydraulic system failure which gives reason to believe that there are metal particles or foreign materials in the system, drain and flush the entire system and replace the filter cartridges. A complete change of oil must be made under these circumstances.

5. Whenever the hydraulic system is drained, check the magnets in the hydraulic reservoir for metal particles. If metal particles are present, flush the entire system and add a new change of oil. The presence of metal particles also may indicate the possibility of imminent component failure. A very small amount of fine particles is normal.

6. **DO NOT** use synthetic or fire resistant oils in this work platform. Use ATF Dexron III (ESSO) or equivalent hydraulic oil. For conditions causing oil temperatures below -31°F (-35°C) and above 122°F (50°C) consult Skyjack, Inc.

7. All containers and funnels used in handling hydraulic oil must be absolutely clean. Use a funnel when necessary for filling the hydraulic oil reservoir, and fill the reservoir only through the filler opening. The use of cloth to strain the oil should be avoided to prevent lint from getting into the system.

8. When removing any hydraulic component, be sure to cap and tag all hydraulic lines involved. Also, plug the ports of the removed components.

9. All hydraulic components must be disassembled in spotlessly clean surroundings. During disassembly, pay particular attention to the identification of parts to assure proper reassembly. Clean all metal parts in a clean mineral oil solvent. Be sure to thoroughly clean all internal passages. After the parts have been dried thoroughly, lay them on a clean, lint-free surface for inspection.

10. Replace all o-rings and seals when overhauling any component. Lubricate all parts with clean hydraulic oil before reassembly. Use small amounts of petroleum jelly to hold o-rings in place during assembly.

11. Be sure to replace any lost hydraulic oil when completing the installation of the repaired component, and bleed any air from the system when required.

12. All hydraulic connections must be kept tight. A loose connection in a pressure line will permit the oil to leak out or air to be drawn into the system. Air in the system can cause damage to the components and noisy or erratic system operation.

MAINTENANCE. Three simple maintenance procedures have the greatest effect on hydraulic system performance, efficiency and life. Yet, the very simplicity of them may be reasons they are so often overlooked. What are they? Simply these:

1. Change filters regularly.

2. Maintain a sufficient quantity of clean hydraulic oil of the proper type and viscosity in the hydraulic reservoir.

3. Keep all connections tight.

Table 5-1. General Specifications

Model	3220	3226	4620	4626	4632
Electrical System	24 Volts DC	24 Volts DC	24 Volts DC	24 Volts DC	24 Volts DC
6V Batteries	220AH 250AH (Opt.)	220AH 250AH (Opt.)	220AH 250AH (Opt.)	220AH 250AH (Opt.)	220AH 250AH (Opt.)
Lift Relief (Rated Load)	2045 Psi *	1305 Psi *	2770 Psi *	1900 Psi *	2000 Psi *
System Relief (Rated Load)	3002 Psi *	3002 Psi *	3000 Psi *	3000 Psi *	3000 Psi *
Return Filter	20 Micron	20 Micron	20 Micron	20 Micron	20 Micron
Oil Tank Capacity	7.3 Gallons (28 Litres)	7.3 Gallons (28 Litres)	7.3 Gallons (28 Litres)	7.3 Gallons (28 Litres)	7.3 Gallons (28 Litres)
Wheel Motors	18 ci/rev	18 ci/rev	18 ci/rev	18 ci/rev	18 ci/rev
Hydraulic Pump	0.226 ci/rev	0.29 ci/rev	0.29ci/rev	0.29ci/rev	0.29ci/rev
DC Motor	4 HP @ 3600 rpm	4 HP @ 3600 rpm	4 HP @ 3600 rpm	4 HP @ 3600 rpm	4 HP @ 3600 rpm
Sound Pressure	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)
High Travel Speed	2 mph (3.2 km/h)	2.4 mph (3.2 km/h)	2 mph (3.2 km/h)	2 mph (3.2 km/h)	2 mph (3.2 km/h)
Elevated Drive Speed	0.64 mph (0.9 km/h)	0.66 mph (0.9 km/h)	0.55 mph (0.9 km/h)	0.55 mph (0.9 km/h	0.55 mph (0.9 km/h
High Torque Drive Speed	1 mph (1.6 km/h)	1.3 mph (1.6 km/h)	1 mph (1.6 km/h)	1 mph (1.6 km/h)	1 mph (1.6 km/h)
Lift Time (Rated Load)	33 sec.	56 sec.	33 sec.	55 sec.	59 sec.
Lower Time (Rated Load)	29 sec.	42 sec.	32 sec.	33 sec.	50 sec.
Gradability	25%	25%	25%	25%	25%
Tires	16 x 5 x 12 Solid Rubber	16 x 5 x 12 Solid Rubber	16 x 5 x 12 Solid Rubber	16 x 5 x 12 Solid Rubber	16 x 5 x 12 Solid Rubber

60337AC

* Refer to serial number nameplate for specific pressures.

Table 5-2. Torque Specifications

Directional valve mounting bolts	28-32 lbf.in	2.16 – 3.61 Nm
Wheel mounting bolts	90 lbf.ft	122.02 Nm
Wheel motor castle nut	200 lbf.ft	271.20 Nm
Parking brake cylinder rod nut	35 lbf.ft	47.46 Nm

Cartridge

	Size					
Torque	08	38	58	10	12	16
Lbf.ft (max)	20	20	20	25	35	50
Lbf.in (max)	240	240	240	300	420	600
Nm (max)	27.12	27.12	27.12	33.90	47.46	67.80

Coils

	Size
Torque	All coils
Lbf.ft (max)	4 to 5
Lbf.in (max)	48 to 60
Nm (max)	5.42 to 6.78

SAE Plugs

	Size							
Torque	2	4	5	6	8	10	12	16
Lbf.ft (max)	3	10	15	15	25	25	30	35
Lbf.in (max)	36	120	180	180	300	300	360	420
Nm (max)	4.07	13.56	20.34	20.34	33.90	33.90	40.68	47.46

Newton-meter = Nm | **Pound-force foot = lbf.ft** | **Pound-force inch = lbf.in**

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System And Lift Pressure Adjustments

All adjustments **must** be made with a Calibrated Gauge.
Refer to the Serial Number Plate located on the rear of the machine for System and Lift Pressure values.

System Relief Pressure Adjustment

1. Locate the System Pressure Quick Disconnect Port on the Main Manifold. Refer to Section 6 Main Manifold Assembly for location.
2. Install a Calibrated 5000 PSI Gauge to the System Pressure Quick Disconnect Port.
3. Remove the Platform Control Box from the Guardrail and disconnect from the Main Control Cable.
4. Locate the Main Control Cable Plug at the rear of the machine.
5. Disconnect the Main Cable and connect the Platform Control Box into the Plug.
6. At the Main Manifold, loosen the Locknut on the System Relief Valve R1. Refer to Section 6 Main Manifold Assembly for location.
7. Select Drive with the Lift/Drive Select Switch on the Platform Control Box.
8. Engaged Steer Right and hold.
9. Observe reading on Gauge. Adjust the R1 System Relief Value listed on the Serial Number Plate. Turning the stem on the Relief Valve clockwise increases pressure. Turning the stem counterclockwise decreases pressure.
10. Release Steer Switch and tighten the Locknut.
11. Remove the gauge from the System Pressure Test Port.

Lift Pressure Adjustment

Note: Adequate area to raise the Platform to full height is required for the following steps.

1. Locate the Lift Pressure Test Port on the Main Manifold. Refer to Section 6 Main Manifold Assembly for location.
2. Install a Calibrated 3000 PSI Gauge to the Lift Pressure Quick Disconnect Port.
3. At the Main Manifold, loosen the Locknut on the Lift Relief Valve R2.
4. Close the Manual Lowering Valve. Using the Lift Switch at the Base Controls, raise the platform to full height and hold the Lift Up Switch on.
5. Observe the reading on the gauge. Adjust the R2 Relief Valve to the value listed on the Serial Number Plate. Turning the stem of the Relief Valve increases pressure. Turning the stem counterclockwise decreases pressure.
6. Remove the gauge from the Lift Pressure Test Port.

Note: Pressure setting may vary as machine components wear.
The lift pressure should be set for rated load only.

Flow Control

Single coil or solenoid for single direction. The coil has two connections; one is wired to the P.C. Board (A) terminal and the other is wired to (-), or the negative side of the supply voltage. Switches to control directional valves may be provided on the controller.

Adjustment Procedures

Adjustments are made by turning a trimpot adjustment screw. The trimpots are multi-turn, end to end-devices. It may be necessary to turn the adjustment screw several turns to observe a change in output.

Clockwise (CW) adjustment of the trimpot increases the output.
Counter-clockwise (CCW) adjustment of the trimpot decreases the output.

Adjustments affect output current, voltage or percentage of duty cycle to the coil. The minimum and maximum output is preset at the factory. However, for optimum performance, they must be adjusted while the equipment is operating.

Although the following adjustments affect the current/voltage or percentage of duty cycle, the best way to adjust the function is to observe the response or speed of the function. The following adjustments affect function response, or speed. There may be some interaction between adjustments, making it necessary to repeat the adjustment in order to achieve the desired response.

"Threshold" Adjustments

Adjusts the initial current flow or duty cycle, affecting the function response or speed when the handle is first moved from the off position. Deflect the handle slowly to the position where the controller first turns on. Adjust the threshold trimpot screw to the point where the controlled function just starts to move, then turn the trimpot screw one, full turn in the counterclockwise direction. **This adjustment should be done first.**

"Maxout" Adjustments

Adjusts the full stroke current or duty cycle affecting the maximum function response, or speed when the handle is deflected to its full travel. Fully deflect the handle, and adjust the maxout trimpot for maximum desired function response or speed. To obtain proportional resolution, it is important that the function starts to slow down as soon as the handle is moved back from the fully deflected position.

The ideal adjustment occurs when the function just begins to move when the handle is deflected, and the output increases until it reaches its maximum desired response or speed at the end of handle travel.

Problem

1. The function will not operate when the handle is moved. The LEDs do not light
   - A. Check that voltage is present at the positive (+)input terminal.
   - B. Check that ground is connected to the negative (-) terminal.
   - C. If there is an in-line fuse, check to see if it is good.
   - D. Check the controller on/off switch and the connectors. Voltage should be present at the (X) terminal when the controller is turned on.
   - E. Check that valve wiring is not shorted to ground. The LEDs will not light.
   - F. Check that valve wiring is not open. The LEDs will light, but the intensity will not vary.
   - G. Check trimpot settings. Fully "CCW" turns output off, "CW" turns output fully on.
2. The function jumps or lurches when turned on.
   A. Perform "Threshold" adjustment procedures.

3. The function reaches maximum speed before the handle is fully deflected,
   - A. Perform "Maxout" adjustment procedures.

4. The function speed remains constant regardless of the degree of handle deflection.
   - A. Perform "Maxout" adjustment procedures. "

IRS Option

1. Function speed reacts too slowly or too quickly in relation to handle deflection.
   - A. Check "IRS" (Ramp) trimpot adjustment. "CW" increases ramp time, "CCW" decreases ramp time.

Integrated Ramp System (IRS)

Provides smooth function response ,when reacting to an abrupt change in handle deflection. "CW" rotation of the trimpot increases ramp time and slows the response time. "CCW" decreases ramp time and increases the response time. To increase the ramp time, turn the adjusting screw "CW" a few turns, then move the controller handle abruptly. Continue to adjust until a smooth response is observed. Most controllers have on/off contacts which remove power from the P.C. Board when the handle is returned to the off position. When the handle is abruptly returned to neutral, the output will not ramp down, and the function will stop.

Ramp Thru Off

The P.C. Board should be adjusted as outlined in the IRS adjustment procedure. If the handle is abruptly returned to neutral (OFF) the output will ramp down to off. Ramp time is factory set to 2 seconds, unless otherwise specified.

Note: Trimpots should be sealed with nail polish or enamel based paint.
DO NOT USE RTV SILICONE

Figure 5-1. OEM Joystick Switch Wiring (Without Enable Relay)

Wire Chart		
Color	**From**	**To**
White/Red	Steer Left	Pin #1
White/Green	+24V Steer Common	Pin #2
White	Steer Right	Pin #3
Yellow	Forward/Up (S2-NO)	Pin #4
White/Black	+24V Input	Pin #5
Gray	Reverse/Down (S1-NO)	Pin #6
Blue	PWM Out (A)	Pin #7
Black	Ground	Pin #8
White/Blue	Enable Switched Power	Pin #9

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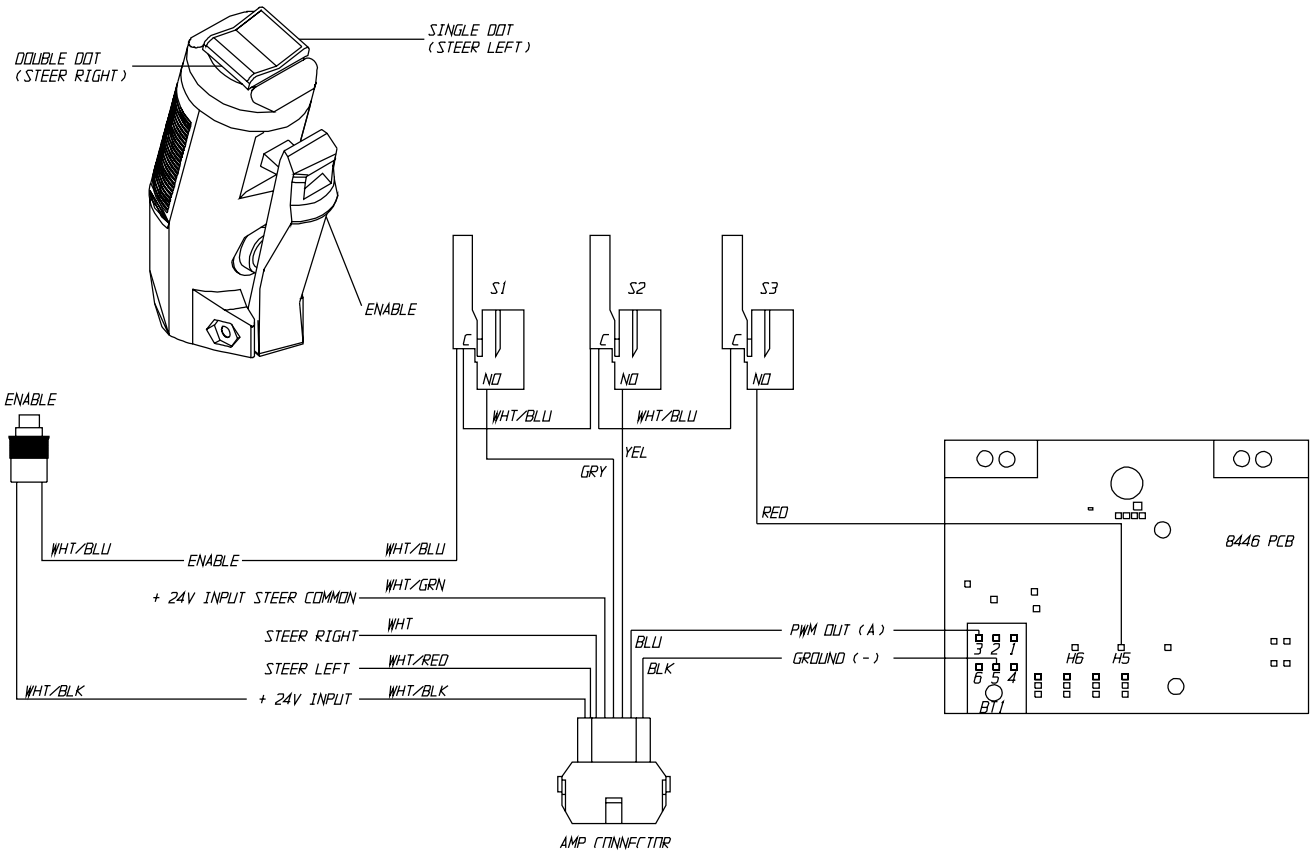

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Figure 5-2. OEM Joystick Switch Wiring (Equipped with Enable Relay)

Wire Chart		
Color	**From**	**To**
White/Red	Steer Left	Pin #1
White/Green	+24V Steer Common	Pin #2
White	Steer Right	Pin #3
Yellow	Forward/Up (S2-NO)	Pin #4
White/Black	+24V Input	Pin #5
Gray	Reverse/Down (S1-NO)	Pin #6
Blue	PWM Out (A)	Pin #7
Black	Ground	Pin #8
White/Blue	Enable Switched Power	Pin #9

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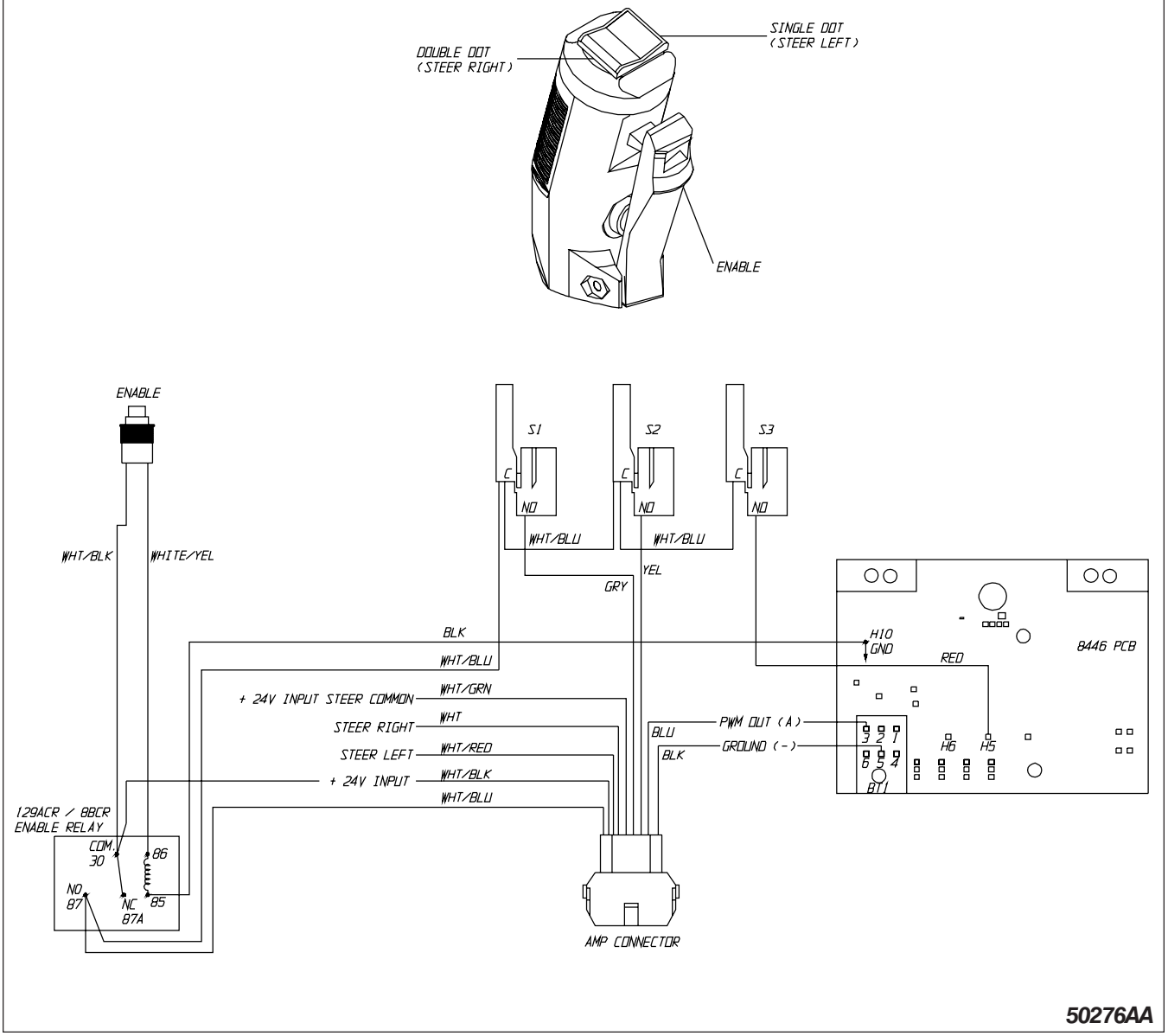

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Section 6
Parts Lists

General
The information contained in this section is designed to aid the user in locating and identifying replacement parts. Component parts of various assemblies and sub-assemblies comprising the work platform are illustrated and accompanied by a descriptive parts list. Exploded drawings are used to show relative location of component parts in disassembly order. If a part cannot be found in this section, order by work platform model number and serial number, giving a complete description of the part.

Parts Ordering Information
When ordering replacement parts, the complete part number and description should be used to ensure proper identification and delivery of the desired item. This complete identification should also be used when requesting equipment information.

Method Of Listing
Parts are listed in order according to the reference number shown in the illustration, followed by a full description based upon the "NOUN FIRST" method. That is, the noun name of the part is listed first, then the modifying description information which serves to specifically identify the item. For example: PIN, Clevis. Assemblies or groups are shown at the beginning of a parts list and are identified with the letter references A, B, C, etc. Individual parts in these lists have corresponding letters after their description to identify which assembly or group it is used in. Individual parts without identifying
letters are used in all the assemblies or group shown at the beginning of the parts list. Descriptions preceded with an (•) indicates a serviceable component or attaching hardware for the higher level assembly.

Quantities (Units Per Assy.)
The quantities of each part that are required to complete the assembly. If quantity is (AR), it is understood that the quantity may vary when machine is equipped with certain options. Order quantity as needed.

Hardware
Standard screws, washers, nuts, etc. are not identified by a reference number. These parts are known as COMMON HARDWARE items and appear indented under the major items with which they are used. They should be ordered separately as listed, since they are not component parts of the pieces they attach to.

How To Order Repair Parts
1. Address all orders to your local SKYJACK dealer.
2. Specify model and serial number of the work platform (found on the serial number plate).
3. List the quantity needed.
4. List the length needed (if bulk item).
5. List the part number and description as shown in this manual for each item.
6. Show billing and shipping address and name of individual if possible.
7. Suggest best routing.

CUSTOMER_____

DEALER_____

MODEL NUMBER _____

SERIAL NUMBER _____

DATE PURCHASED _____

Use Only Skyjack Authorized Replacement Parts!

6

Table Of Contents

Platform And Related Parts

Scissors And Related Parts

Base And Related Parts

Table Of Contents

Hydraulic Tray Assembly

Battery Tray Assembly

Electrical Panel Assembly

Special Options

Labels And Nameplate

Figure 6.1-1. Entrance Gates And Chains

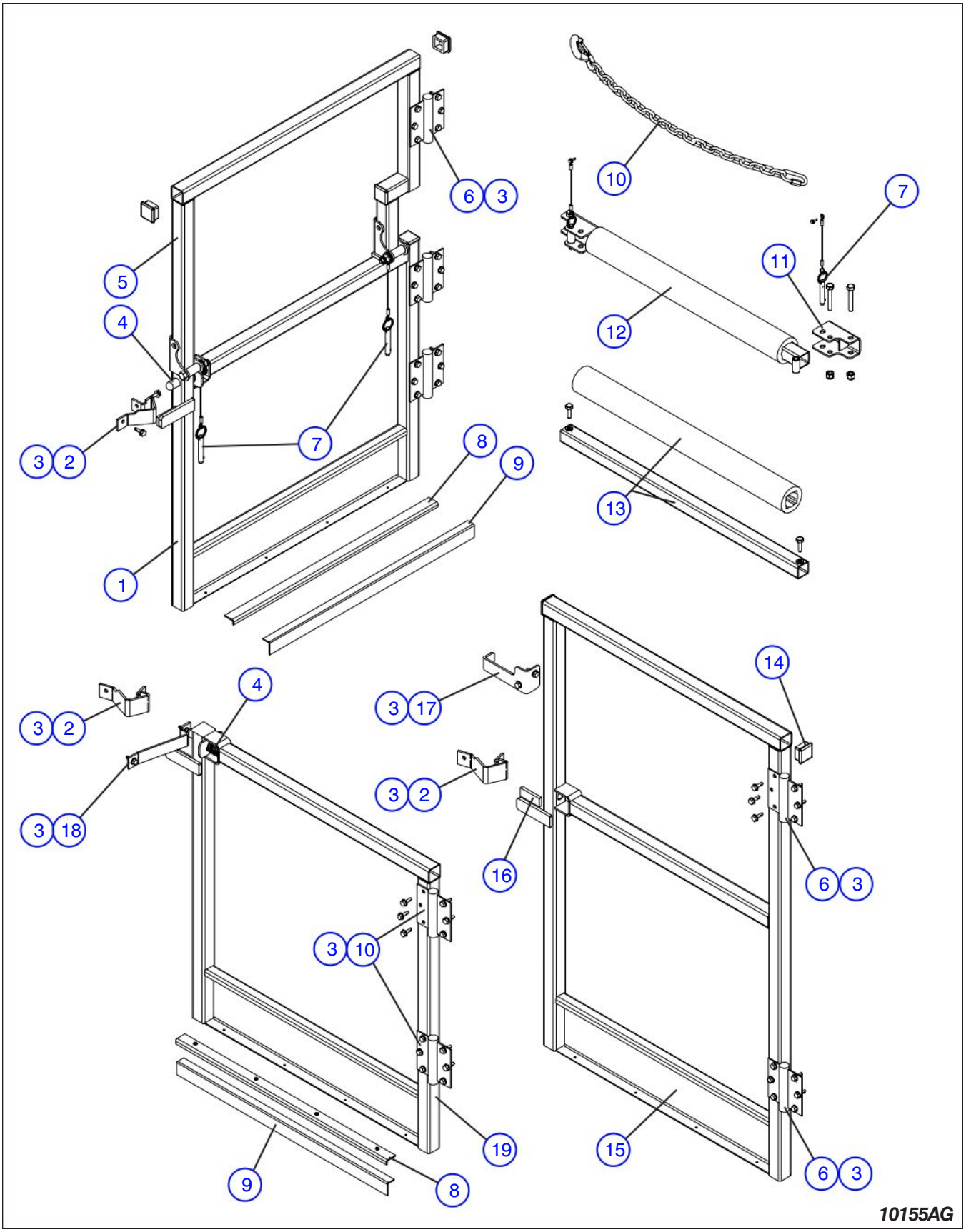

Figure 6.1-1. Entrance Gates And Chains

Index No.	Skyjack Part No.	Qty.	Description
1	128471	1	WELDMENT, Full Gate Hinged - Bottom **(ANSI/CSA)**
	128487	1	WELDMENT, Full Gate Hinged - Bottom **(CE)**
2	110693	1	PLATE, Stop Gate Latch
3	103632	AR	SCREW, Self tapping ¼"-14 x ¾"
4	(Ref.)	-	LATCH ASSEMBLY (For components, refer to Figure 6.1-15)
5	128473	1	WELDMENT, Full gate Hinged - Top
6	117277	2	HINGE, Spring
7	(Ref.)	2	PIN, Quick release large/small loop assembly (For components, refer to Figure 6.1-7)
8	119942	1	CLAMP, Aluminum door sweep **(CE)**
	119945	4	• RIVET, Wide head
9	119940	1	STRIP, Door sweep rubber **(CE)**
10	106893	-	CHAIN, Entry Assembly (If equipped)
	106896	1	• CHAIN
	100297	1	• LINK, Quick screw
	127103	1	• LINK, Lap
	100493	1	• LATCH, Chain snap
11	130270	2	MOUNT, Railing end weldment (If equipped)
12	125692	1	RAIL ASSEMBLY, Upper hinged
	125354	1	• TUBE, Hinged top rail
	125691	1	• PADDING, Entry rail
	103872	AR	• BOLT, Hex head 3/8"-16 x 2.25" Gr. 5
	104606	AR	• NUT, Hex nylon lock 3/8"-16"
	112327	2	• SCREW, Self tapping #8-18 x 1/2"
13	125703	1	RAIL ASSEMBLY, Fixed upper
	103540	1	• TUBE, Top rail
	125691	1	• PADDING, Entry rail
	103864	2	• BOLT, Hex head 5/16"-18 x 1" Gr. 5
	103404	2	• WASHER, 5/16" Lock
14	100702	AR	PLUG, Tube
15	125510	1	GATE, Solid full **(ANSI)**
	125549	1	GATE, Solid full **(CSA)**
	125554	1	GATE, Solid full **(CE)**
16	125577	1	PAD, Adhesive rubber foam
17	125687	-	STOP ASSEMBLY, Additional gate (If equipped)
	125686	1	• STOP, Additional gate
18	125526	1	STRIKE, Gate stop
19	125461	1	GATE, Half **(ANSI)**
	125540	1	GATE, Half **(CSA)**
	125544	1	GATE, Half **(CE)**

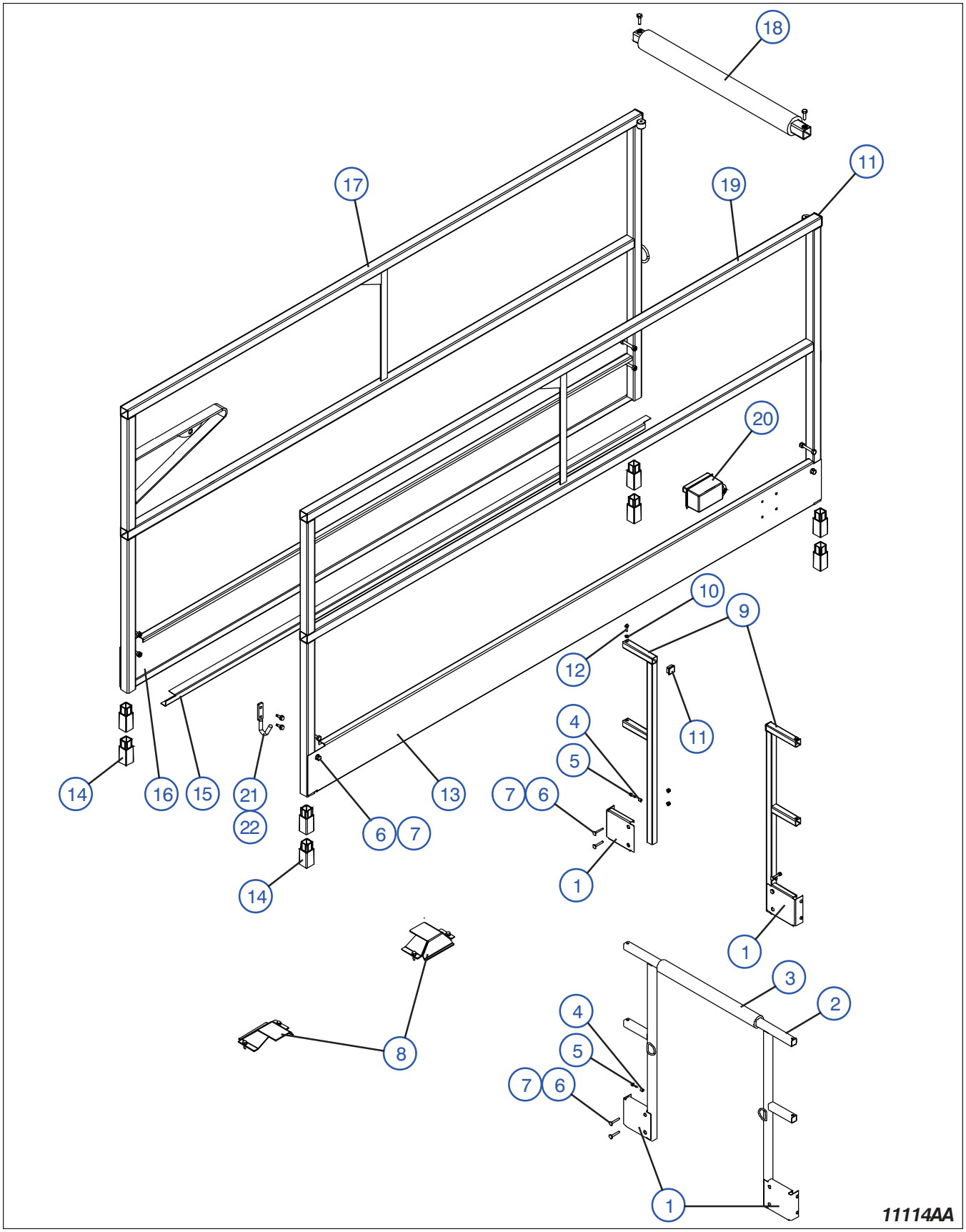
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Figure 6.1-2. Side Railings - Rigid Railings

Index No.	Skyjack Part No.	Qty.	Description
1	128719	2	KICK PLATE, End Entrance **(Model 46XX)**
2	128722	1	RAILING, Weldment End Entrance **(Model 46XX)**
3	104183	1	PAD, Entry Railing **(Model 46XX)**
4	112329	4	BOLT, Self tapping 1/4”-14 x 1”
5	125580	4	SPACER, Railing retainer
6	103984	AR	NUT, Lock (hex) 5/16”-18 grade B
7	127437	AR	BOLT, 5/16”-18 x 2” Carriage
8	(Ref.)	-	CABLE GUARDS (For components, refer to Figure 6.1-8)
9	130111	2	RAILING, Weldment End Entrance **(Model 46XX)**
10	103404	2	WASHER, Lock 5/16”
11	100702	2	PLUG, Plastic tube 1-1/4” x 1-1/4”
12	103864	2	BOLT, Hex Hd 5/16”-18 x 1” Gr. 5
13	125412	1	PLATE, Kick RH
14*	125336	8	PLUG, Railing **(CE Model 32XX)**
		12	PLUG, Railing **(CE Model 46XX)**
15	125448	1	GUARD, Cable
16	125414	1	PLATE, Kick LH
17	125504	1	RAILING, Rigid RH
18	(Ref.)	1	GATE ASSEMBLY, Entrance (For components, refer to Figure 6.1-1)
19	125503	1	RAILING, Rigid LH
20	(Ref.)	-	OUTLET, Platform AC (For components, refer to Figure 6.1-4)
21	148218	1	HOOK (If Equipped)
22	103632	2	SCREW, Self tapping (1/4-14 x 3/4) (If Equipped)

**** Total height of railings is 43” for CE models & 39” for ANSI/CSA models***

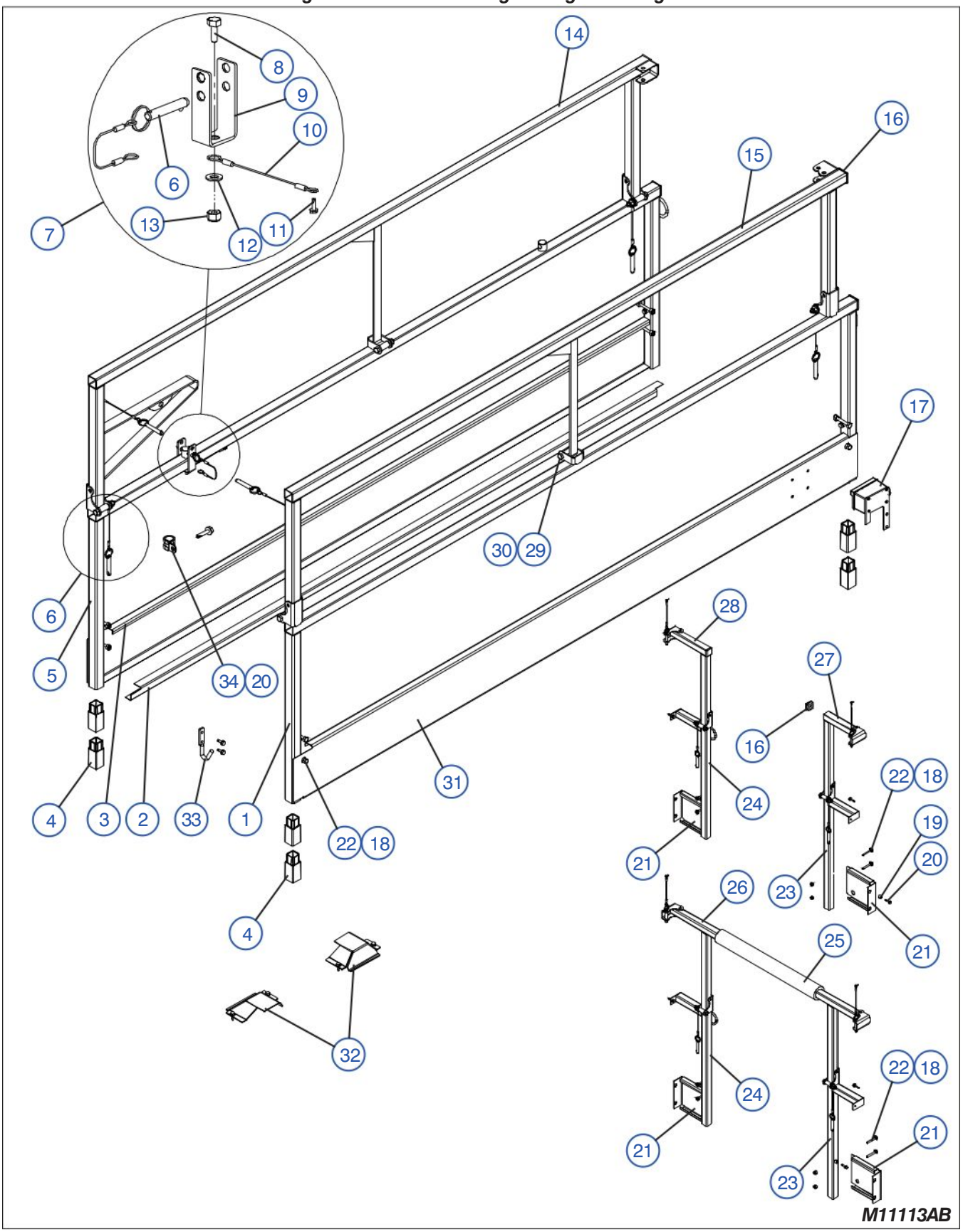
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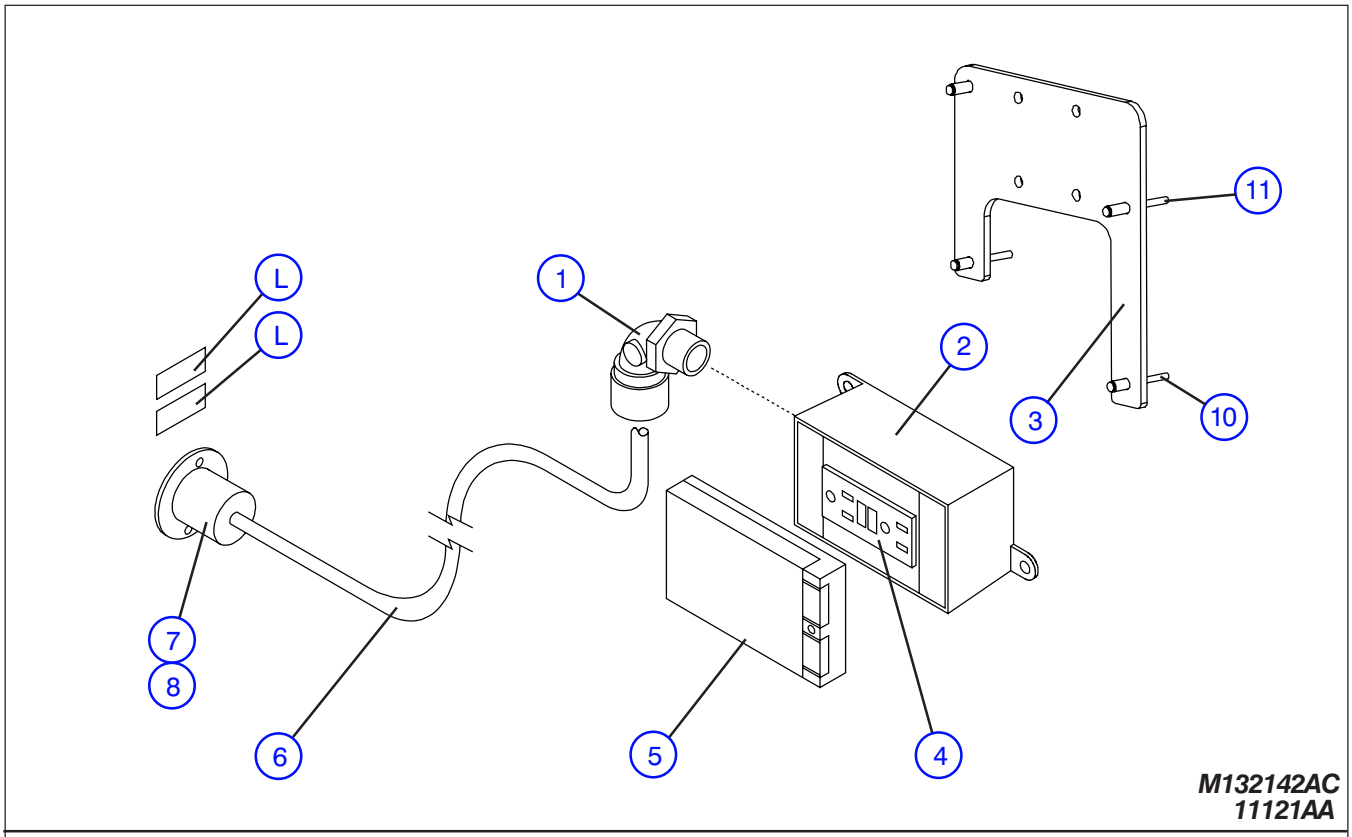
Figure 6.1-3. Side Railings - Hinged Railings **AJ**

Index No.	Skyjack Part No.	Qty.	Description
1	128399	1	RAILING, Side bottom LH
2	125448	1	GUARD, Cable
3	125414	1	PLATE, Kick RH
4	(Ref.)	-	PLUG, Railing **(CE)** (Refer to Figure 6.1-2)
5	128400	1	RAILING, Side bottom RH
6	(Ref.)	AR	PIN ASSEMBLY, Quick release large or small loop (For components, refer to Figure 6.1-7)
7	129795	1	ASSEMBLY, Cable Clamp
8	103887	1	• BOLT, Hex Hd 0.312”-18 x 3/4” Gr. 5
9	113164	1	• CLAMP, Cable
10	105807	1	• LANYARD, 6” long
11	112327	1	• SCREW, Hex Hd #8-18 x 1/2” Tapping
12	103996	1	• WASHER, Flat 0.312”
13	103984	1	• NUT, Hex nylon 0.312”-18 Gr. 5
14	128366	1	RAILING, RH upper
15	128365	1	RAILING, LH upper
16	100702	2	PLUG, Plastic tube 1-1/4” x 1-1/4”
17	(Ref.)	-	OUTLET, Platform AC (For components, refer to Figure 6.1-4)
18	127437	8	BOLT, 5/16”-18 x 2” Carriage
19	125580	4	SPACER, Railing retainer
20	112329	5	BOLT, Self tapping 1/4”-14 x 1”
21	128719	2	KICK PLATE, End Entrance **(Model 46XX)**
22	103984	8	NUT, Lock (hex) 5/16”-18 Gr. B
23	128710	1	RAILING, End Entrance Bottom - LH **(Model 46XX)**
24	128709	1	RAILING, End Entrance Bottom - RH **(Model 46XX)**
25	104183	1	PAD, Entry Railing
26	128364	1	RAILING, End Entrance Top **(Model 46XX)**
27	128480	1	RAILING, End Entrance Top - LH **(Model 46XX)**
28	128481	1	RAILING, End Entrance Top - RH **(Model 46XX)**
29	103872	2	BOLT, Hex head 3/8”-16 x 2.25” Gr. 5
30	104606	6	NUT, Lock (hex) 3/8”-16 Gr. B
31	125412	1	PLATE, Kick LH
32	(Ref.)	-	GUARD, Cable (For components, refer to Figure 6.1-8)
33	(Ref.)	-	HOOK (For components, refer to Figure 6.1-2)
34	103024	1	CLIP, Single (G8)

**** Total height of railings is 43” for CE models & 39” for ANSI/CSA models***

Figure 6.1-4. Platform AC Outlet



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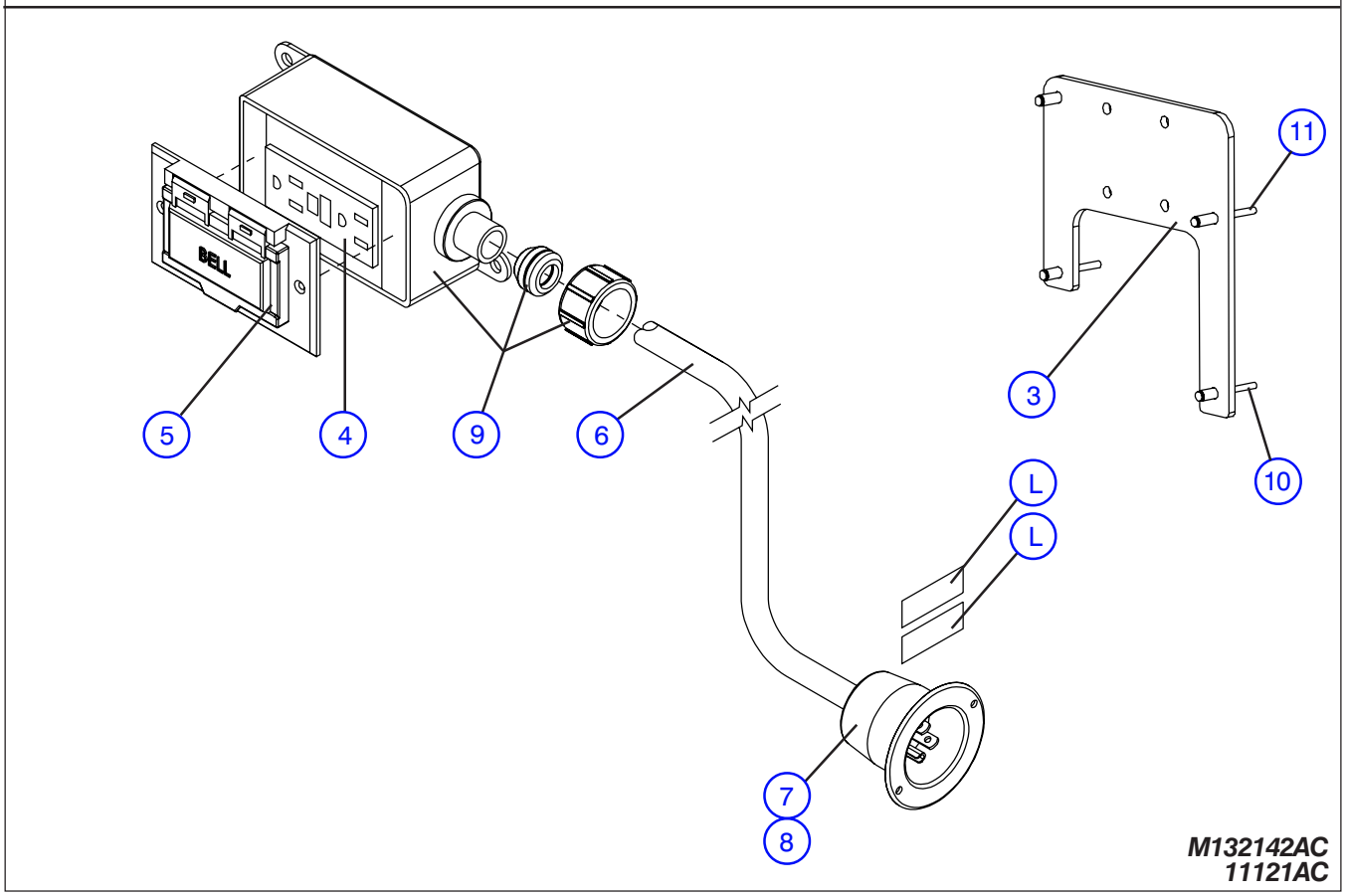

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Figure 6.1-4. Platform AC Outlet **AI**

Index No.	Skyjack Part No.	Qty.	Description
A	(Ref.)	-	AC OUTLET 110 Volt on PLATFORM **(Models 3220/4620)**
B	(Ref.)	-	AC OUTLET 110 Volt on PLATFORM **(Models 3226/4626)**
C	(Ref.)	-	AC OUTLET 110 Volt on PLATFORM **(Model 4632)**
D	(Ref.)	-	AC OUTLET 220 Volt on PLATFORM **(Model 3220/4620)**
E	(Ref.)	-	AC OUTLET 220 Volt on PLATFORM **(Models 3226/4626)**
F	(Ref.)	-	AC OUTLET 220 Volt on PLATFORM **(Models 4632)**
1	130232	1	ELBOW, 90° Strain relief connector, **A, B, C**
2	131999	1	BOX, GFI Receptacle, **A, B, C**
	132042	2	• RIVET, Pop 1/4” dia.
3	132007	1	PLATE, Outlet Box Support, **A, B, C**
4	109698	1	RECEPTACLE, 125V GFI, **A, B, C**
	112327	4	• BOLT, Self-tapping #8-18 x 1/2”
5	109699	1	PLATE, Weatherproof cover, **A, B, C**
	114678	2	• SCREW, Machine #6-32 x 1/2”
6	105269	1	CORD, 14/3 x 342" lg., **A**
		1	CORD, 14/3 x 420" lg., **B**
		1	CORD, 14/3 x 516" lg., **C**
	117542	1	CORD, 14/3 x 408" lg., **D**
		1	CORD, 14/3 x 492" lg., **E**
		1	CORD, 14/3 x 588" lg., **F**
7	105271	1	PLUG, 3-Prong recessed, **A, B, C**
	119913	2	• RIVET, Pop 5/32”
8	113227	1	SEAL, 110V Seal tite cover, **A, B, C**
9	136328	1	BOX, Outlet with fitting, **A, B, C**
	134140	2	• RIVET, Open end dome 1/4” dia.
10	139641	2	• RIVET, Pop 1/4” dia.x 0.615”
11	134140	2	• RIVET, Pop 1/4” dia.x 0.740”
L	(Ref.)	2	LABEL, AC Connection here
		-	(Refer to Figure 6.8-3)

NOTE: Compare the diagrams on the previous page with the AC outlet on the machine to order the right parts.

Figure 6.1-5. Extension Platform Railings

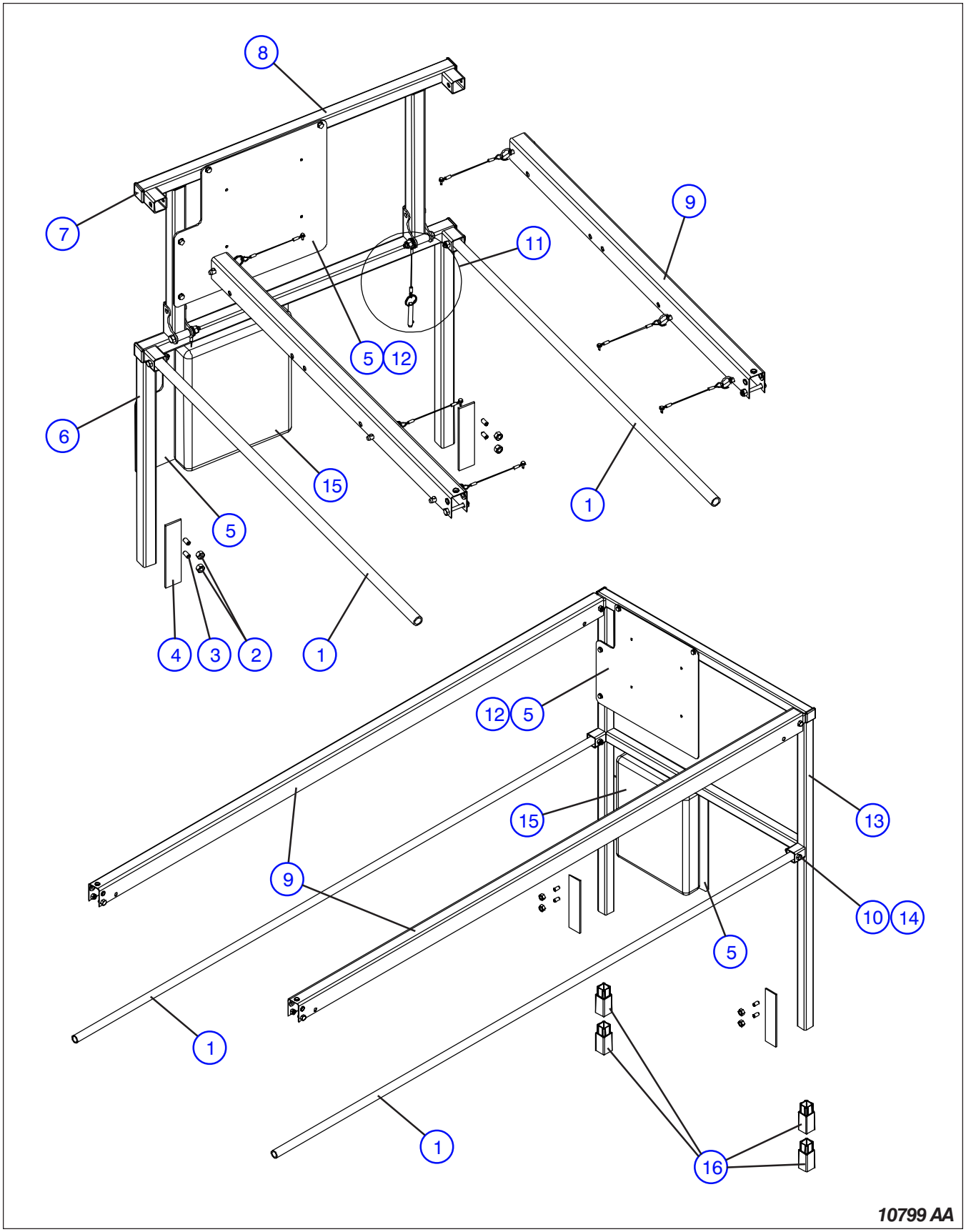
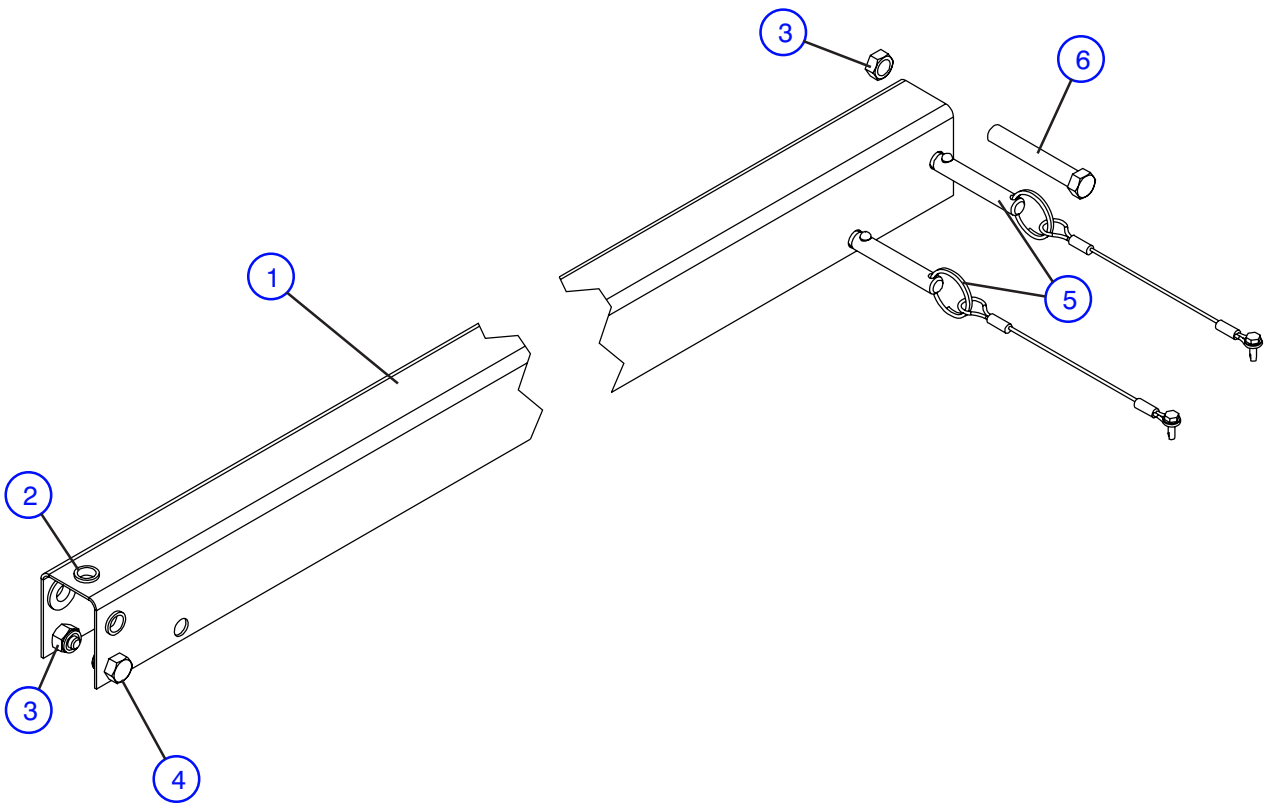


Figure 6.1-5. Extension Platform Railings **AJ**

Index No.	Skyjack Part No.	Qty.	Description
A	125635	1	RAILING ASSEMBLY, Manual Extension deck rigid **(Model 3220)**
B	128470	1	RAILING ASSEMBLY, Manual Extension deck hinged **(Model 32XX)**
C	125705	1	RAILING ASSEMBLY, Powered extension deck rigid **(Model 3220)**
D	132540	1	RAILING ASSEMBLY, Powered extension deck hinged **(Model 3220)**
E	130435	1	RAILING ASSEMBLY, Manual Extension deck rigid **(Model 4620)**
F	130346	1	RAILING ASSEMBLY, Manual Extension deck hinged **(Model 4626 and 4632)**
G	132968	1	RAILING ASSEMBLY, Powered extension deck rigid **(Model 4620)**
H	132969	1	RAILING ASSEMBLY, Powered extension deck hinged **(Model 4626)**
1	103796	2	• MIDRAIL, Extension deck, **A, B**
	106394	2	• MIDRAIL, Extension deck (6' Powered extension), **C , D, G, H**
	130347	2	• MIDRAIL, Extension deck, **E, F**
2	103978	4	• NUT, Hex head 3/8"-16 Gr. B
3	104625	4	• SCREW, 3/8"-16 x 5/8" set
4	106950	2	• PLATE, Extension deck railing retaining
5	130229	2	• PLATE, Info/warning
6	128468	1	• RAILING, Extension deck lower, **B , D**
	128359	1	• RAILING, Extension deck lower, **F, H**
7	100702	AR	• PLUG, Plastic tube 1 1/4" x 1 1/4"
8	128469	1	• RAILING, Extension deck upper, **B , D**
	128360	1	• RAILING, Extension deck upper, **F, H**
9	(Ref.)	-	• HANDRAIL ASSEMBLIES, Sliding (For components, refer to Figure 6.1-6)
10	103885	2	• BOLT, Hex head 5/16" - 18 x 1 3/4"
11	(Ref.)	AR	• PIN ASSEMBLY, Quick release large or small loop (For components, refer to Figure 6.1-7)
12	103632	4	• BOLT, Self tap. 1/4"-14 x 0.75"
13	125502	1	• RAILING, Extension deck, **A, C**
	128452	1	• RAILING, Extension deck, **E, G**
14	103984	2	• NUT, Hex nylon lock 5/16" - 18
15	130231	1	MANUAL BOX, Assembly
	117293	1	• BOX, Manual
	125968	4	• NUT, Hex flange Lock #10-32
	103962	4	• SCREW, Round Head Machine #10-32 x 1/2"
16*	125336	4	SPACER, Railing **(CE)**

**** Total height of railings is 43" for CE models & 39" for ANSI/CSA models***

Figure 6.1-6. Slide Rail Assemblies



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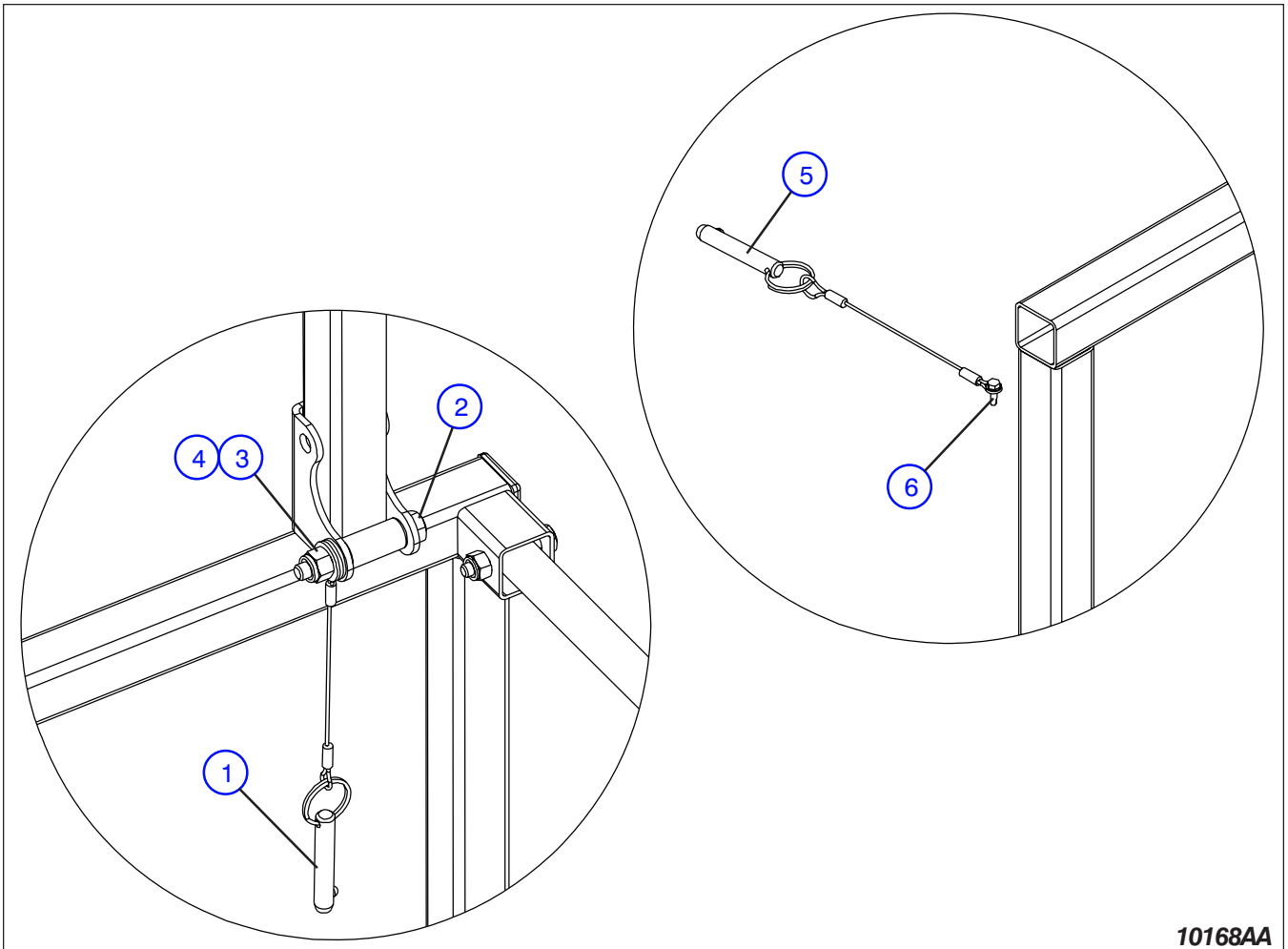
Index No.	Skyjack Part No.	Qty.	Description
A	125481	2	ASSEMBLY, Manual Extension Hinged Railing Handrail, 3ft , **(Model 32XX)**
B	125666	2	ASSEMBLY, Manual Extension Rigid Railing Handrail, 3ft , **(Model 32XX)**
C	130436	2	ASSEMBLY, Manual Extension Rigid Railing Handrail, 3ft , **(Model 4620)**
D	130348	2	ASSEMBLY, Manual Extension Hinged Railing Handrail, 3ft , **(Model 4626/4632)**
E	125667	2	ASSEMBLY, Powered extension Rigid Railing Handrail, 6ft, **(Model 32XX/4620)**
F	128458	2	ASSEMBLY, Powered extension Hinged Railing Handrail, 6ft, **(Model 3220/4626)**
1	125480	1	• HANDRAIL, Extension, **A, B**
	130349	1	• HANDRAIL, Extension 3ft, **C, D**
	125561	1	• HANDRAIL, Extension 6 ft, **E, F**
2	103550	3	• PLUG, Handrail slide plug
3	103984	AR	• NUT, Lock (hex) 5/16”-18 Gr. B
4	103845	2	• BOLT, Hex head 5/16”-18 x 0.50” Gr. 5
5	(Ref.)	AR	• PIN ASSEMBLY, Quick release large or small loop (For components, refer to Figure 6.1-7)
6	103865	1	• BOLT, Hex head 5/16”-18 x 2” Gr. 5, **B, C, E**

Figure 6.1-7. Quick Release Pins



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Index No.	Skyjack Part No.	Qty.	Description
1	124548	1	PIN ASSEMBLY, Quick release large loop
	100509	1	• PIN, Quick release 3/8” dia x 2”
	105807	1	• LANYARD, 6" Plastic coated
2	103873	1	BOLT, Hex head 3/8”-16 x 2.50” Gr. 5
3	103472	2	WASHER, Flat 3/8” SAE Bolt,
4	104606	1	NUT, Lock (hex) 3/8”-16 grade B,
5	124547	2	PIN ASSEMBLY, Quick release small loop
	100509	1	• PIN, Quick release 3/8” dia x 2”
	105807	1	• LANYARD, 6" Plastic coated
6	112327	1	BOLT, Self tapping #8-18 x 0.5”

Figure 6.1-8. Main Platforms Assemblies

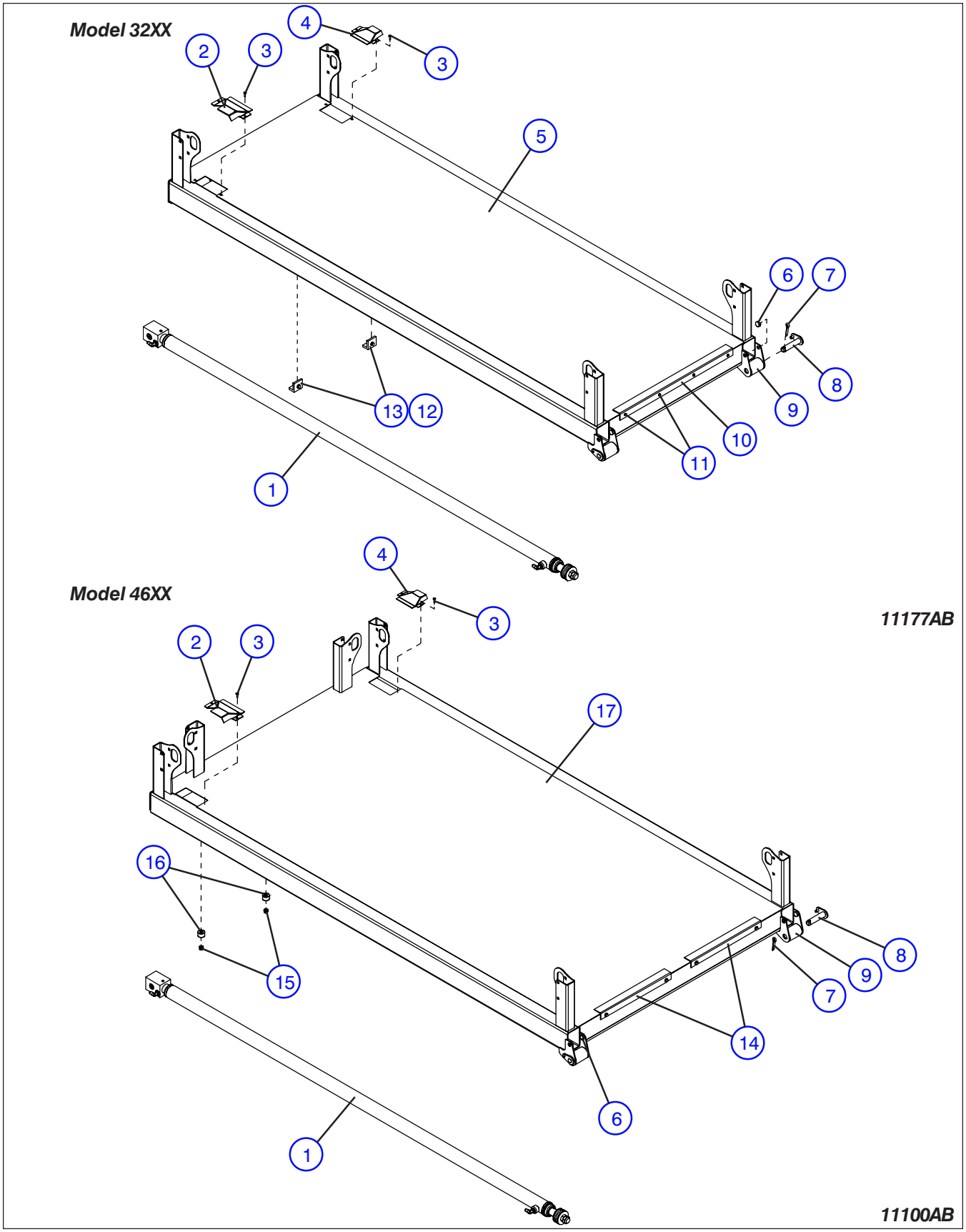


Figure 6.1-8. Main Platforms Assemblies **AH**

Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	AR	ASSEMBLY, Powered Extension Hydraulic Cylinder (For components, refer to Figure 6.1-11)
2	125495	1	COVER, Cable guard LH
3	132042	4	RIVET, Pop 1/4" dia. x 5/8"
4	125494	1	COVER, Cable guard RH
5	125358	1	WELDMENT, Main platform - **Model 3220** (Machines w/ manual extension deck)
	125704	1	WELDMENT, Main platform - **Model 3220** (Machines w/ power extension deck)
	125361	1	WELDMENT, Main platform - **Model 3226**
6	125433	4	BUSHING, Slider
7	600738	2	PIN, Cotter (6.3mm x 40mm DIN 94)
8	125422	2	PIN, Rollout roller (@ platform)
9	125455	2	ROLLER, Extension platform wide
10	108773	1	ANGLE, Extension slider 1-1/8" x 1-3/8" x 1/8" x 22" **(Model 32XX only)**
11	600531	4	BOLT, Self tapping (3.5mm x 13mm DIN 7504)
12	600727	2	BOLT, Self tapping (6.3mm x 25mm DIN 7504)
13	125466	2	BUMPER, Platform
14	134559	2	ANGLE, Extension Slider **(Model 46XX)**
	103632	4	SCREW, Hex Hd Self-tapping 1/4"-14 x 3/4"
15	104606	2	NUT, Hex Nylon Lock 3/8"-16 Gr. 5
16	130689	2	BUMPER, Platform Deck **(Model 4620/4632 only)**
17	133977	1	WELDMENT, Main platform - **Model 46xx** (Machines w/ power extesion deck) ***(For Models 4620, order P/N 132503 for Machines with Serial No. 712974 & Below)*** ***(For Models 4626, order P/N 132507 for Machines with Serial No. 713411 & Below)***
	133954	1	WELDMENT, Main Platform- **Model 46xx** (Machines w/ manual extension deck) ***(For Models 4620, order P/N 132493 for Machines with Serial No. 712295 & Below)*** ***(For Models 4626, order P/N 132485 for Machines with Serial No. 711863 & Below)*** ***(For Models 4632, order P/N 132493 for Machines with Serial No. 711873 & Below)***

Figure 6.1-9. Extension Platform Assemblies

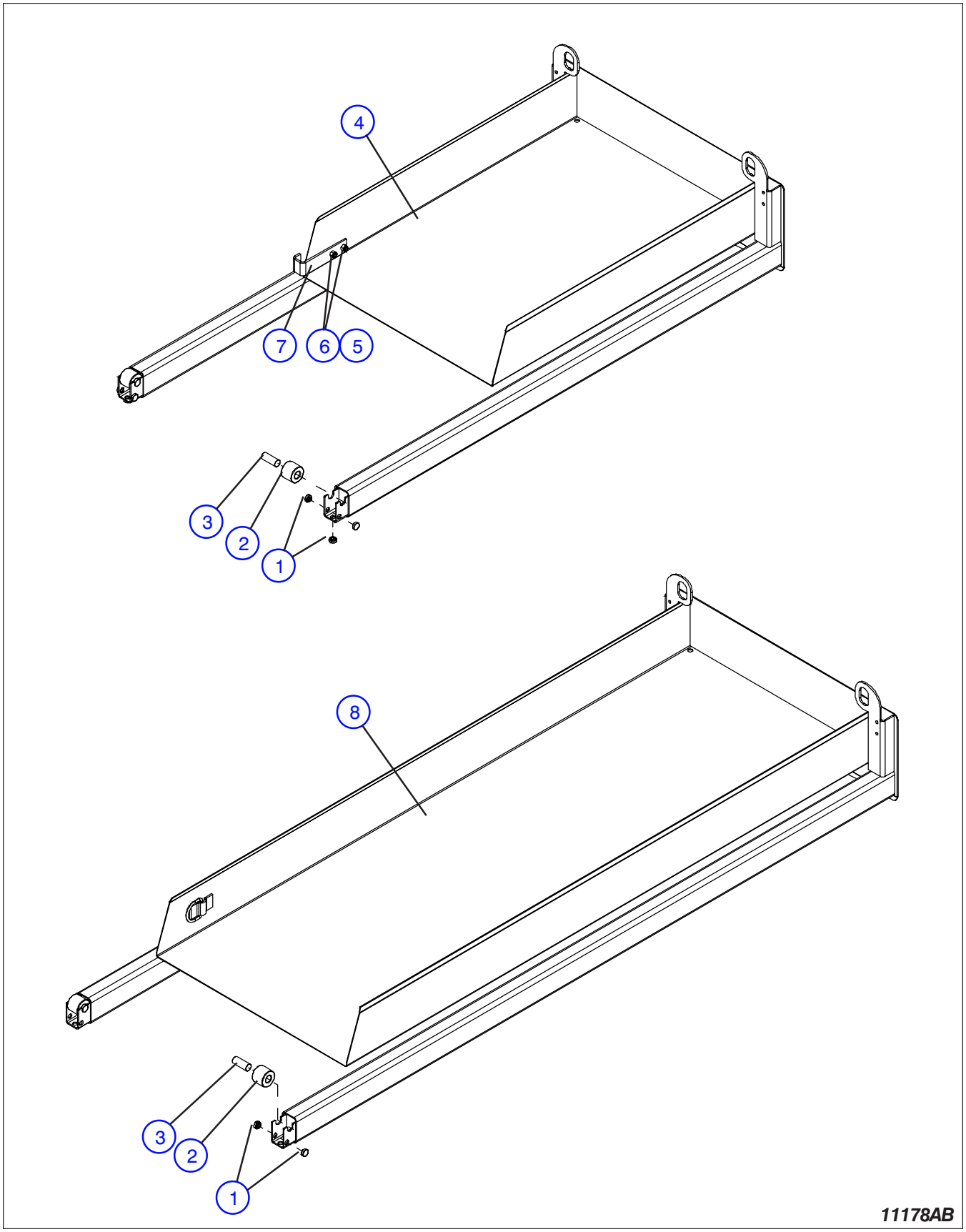
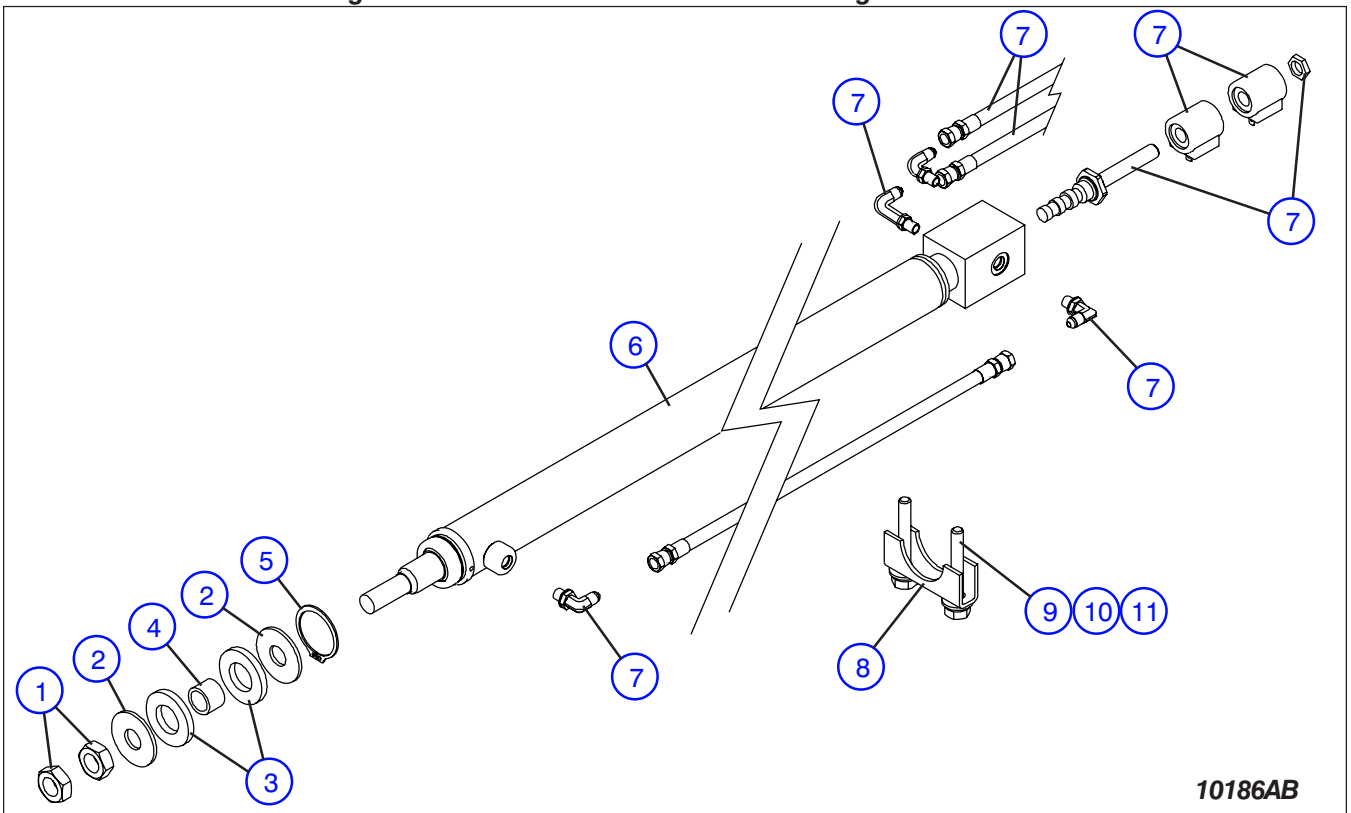


Figure 6.1-9. Extension Platform Assemblies **AH**

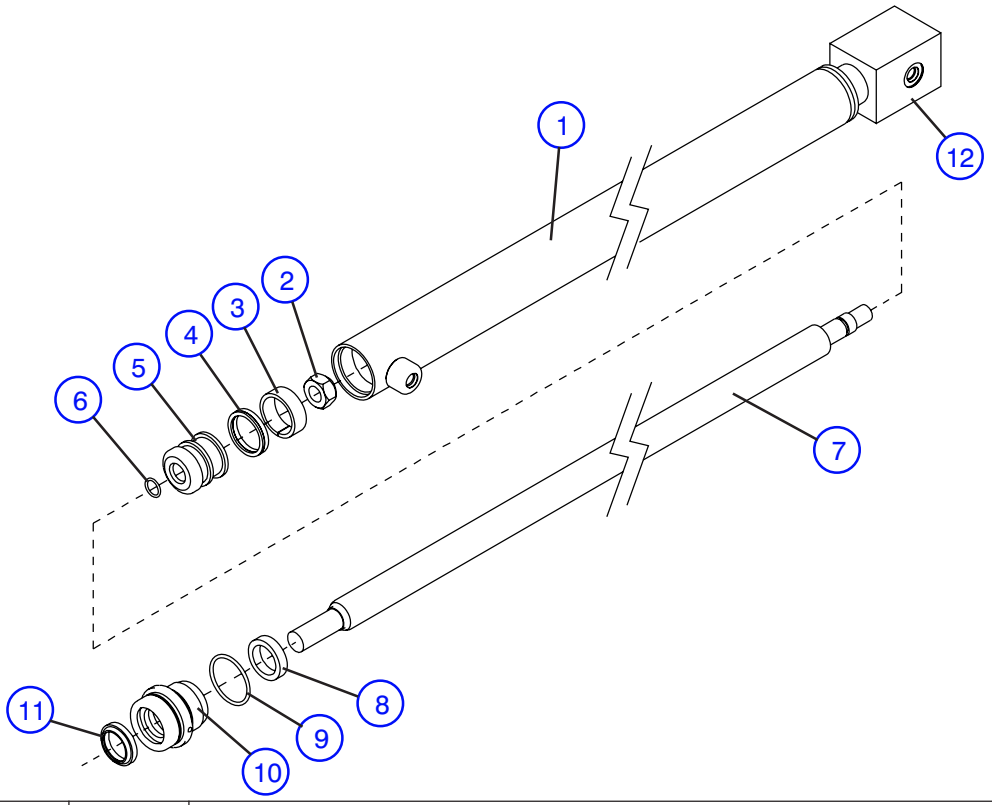
Index No.	Skyjack Part No.	Qty.	Description
A	125583	1	EXTENSION DECK ASSEMBLY, **Model 32XX** 3' Manual Extension
B	125457	1	EXTENSION DECK ASSEMBLY, **Model 3220** 6' Powered Extension Deck
C	133981	1	EXTENSION DECK ASSEMBLY, **Model 46XX** 4' Manual Extension
			(For Models 4620, order P/N 130221 for Machines with Serial No. 712295 & Below)
			(For Models 4626, order P/N 130221 for Machines with Serial No. 711863 & Below)
			(For Models 4632, order P/N 130221 for Machines with Serial No. 711873 & Below)
D	134018	1	EXTENSION DECK ASSEMBLY, **Model 46xx** 6' Powered Extension Deck
			(For Models 4620, order P/N 130380 for Machines with Serial No. 712974 & Below)
			(For Models 4626, order P/N 132506 for Machines with Serial No. 713411 & Below)
1	125433	6	• BUSHING, Slider
2	125431	2	• ROLLER, Extension deck narrow
3	125424	2	• PIN, Extension deck roller (@ rollout arm end)
4	125356	1	• WELDMENT, Manual extension deck, **A**
	133982	1	• WELDMENT, Manual extension deck, **C**
			(For Models 4620, order P/N 130220 for Machines with Serial No. 712295 & Below)
			(For Models 4626, order P/N 130220 for Machines with Serial No. 711863 & Below)
			(For Models 4632, order P/N 130220 for Machines with Serial No. 711873 & Below)
5	107038	2	• BOLT, Button head 5/16"-18 x 7/8", **A**
	300064	2	• BOLT, Button head 5/16"-18 x 3/4", **C**
6	103984	2	• NUT, Lock (hex) 5/16"-18 Gr. B, **A, C**
7	121042	1	• STOP, Extension deck, **A**
	133037	1	• STOP, Extension deck, **C**
			(For Models 4620, order P/N 121042 for Machines with Serial No. 712295 & Below)
			(For Models 4626, order P/N 121042 for Machines with Serial No. 711863 & Below)
			(For Models 4632, order P/N 121042 for Machines with Serial No. 711873 & Below)
8	125557	1	• WELDMENT, Power extension deck, **B**
	133983	1	• WELDMENT, Power extension deck D
			(For Models 4620, order P/N 132504 for Machines with Serial No. 712974 & Below)
			(For Models 4626, order P/N 132505 for Machines with Serial No. 713411 & Below)

Figure 6.1-10. Powered Extension Mounting Hardware



Index No.	Skyjack Part No.	Qty.	Description
1	106450	2	NUT, Hex head jam 3/4”-16 Gr. 5
2	113304	2	WASHER, Flat steel plated 3/4"
3	113305	2	INSULATOR, Hydraulic extension deck noise
4	125664	1	SPACER, Hydraulic extension deck spacer
5	106446	1	RING, Retaining #N1400-0175
6	(Ref.)	1	CYLINDER, 6' Power deck (For components, refer to Figure 6.1-11)
7	(Ref)	-	ASSEMBLY, Hydraulic Hose and Fittings (For components, refer to Figure 6.1-12)
8	113653	AR	CLAMP, Pipe clamp 1-1/8"
9	103996	AR	WASHER, Flat 5/16” SAE
10	103404	AR	WASHER, Lock 5/16”
11	103865	AR	BOLT, Hex head 5/16-18 grade 5 x 2”

Figure 6.1-11. Powered Extension Cylinder Assembly



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Index No.	Skyjack Part No.	Qty.	Description
A	127100	1	ASSEMBLY, Powered Extension 6 ft Cylinder
1	127099	1	• WELDMENT, 6' power deck cylinder barrel
2	103830	1	• NUT, Hex head 5/8”-11 Gr. C
*3	106452	1	• SEAL, Piston wear ring
*4	103825	1	• SEAL, Piston
5	117942	1	• PISTON, cylinder p.deck
*6	110976	1	• SEAL, ‘O’ ring
7	127097	1	• ROD, 6' power deck cylinder
*8	108798	1	• SEAL, Rod
*9	120436	1	• SEAL, ‘O’ ring
10	125698	1	• GLAND, power deck cylinder
*11	106449	1	• SEAL, Rod wiper
12	108052	1	• PLUG, Expander (Inside block)
*	107396	AR	KIT, Seal repair * Part of seal repair kit

Figure 6.1-12. Powered Extension Hydraulic Hose and Fittings Assembly

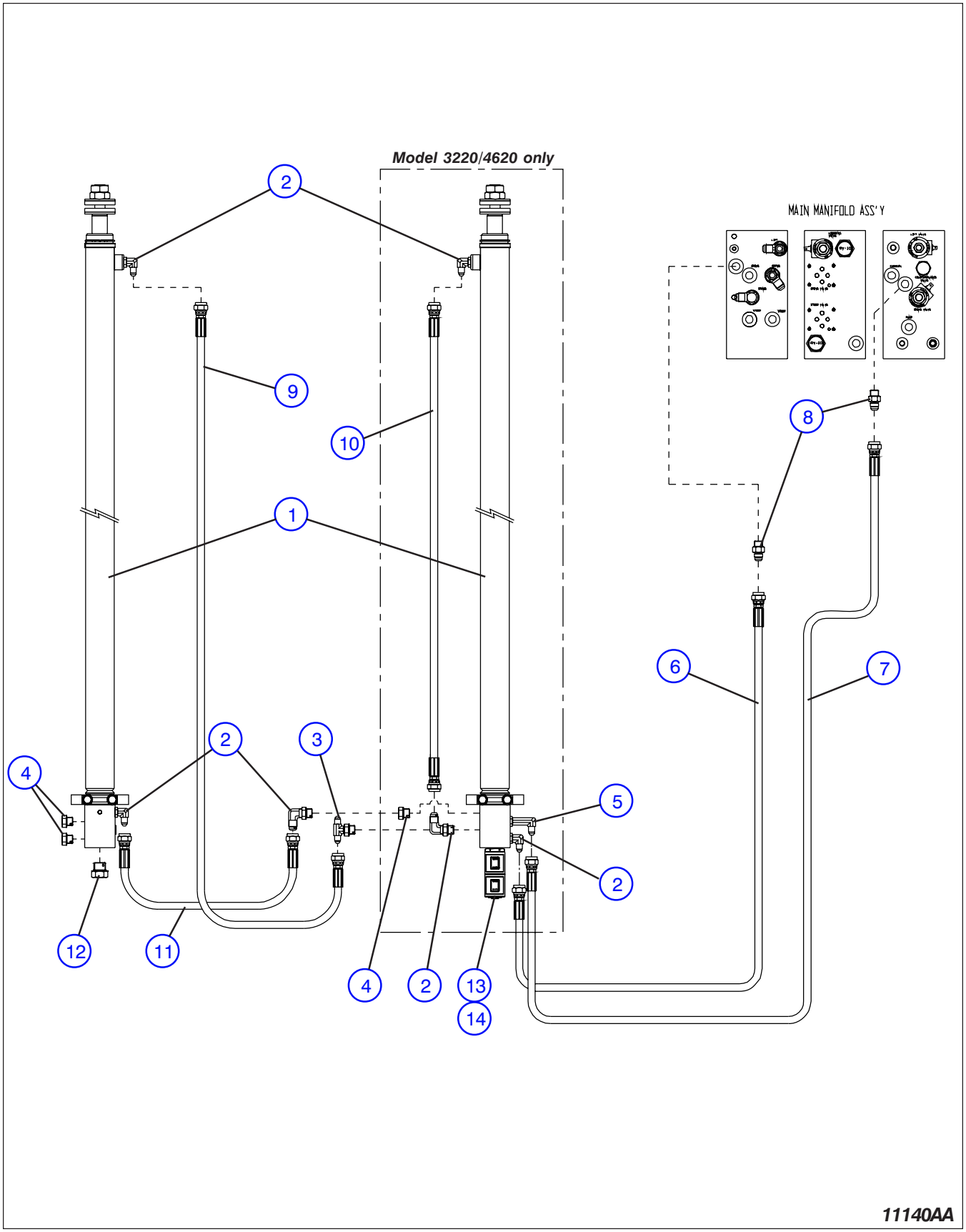
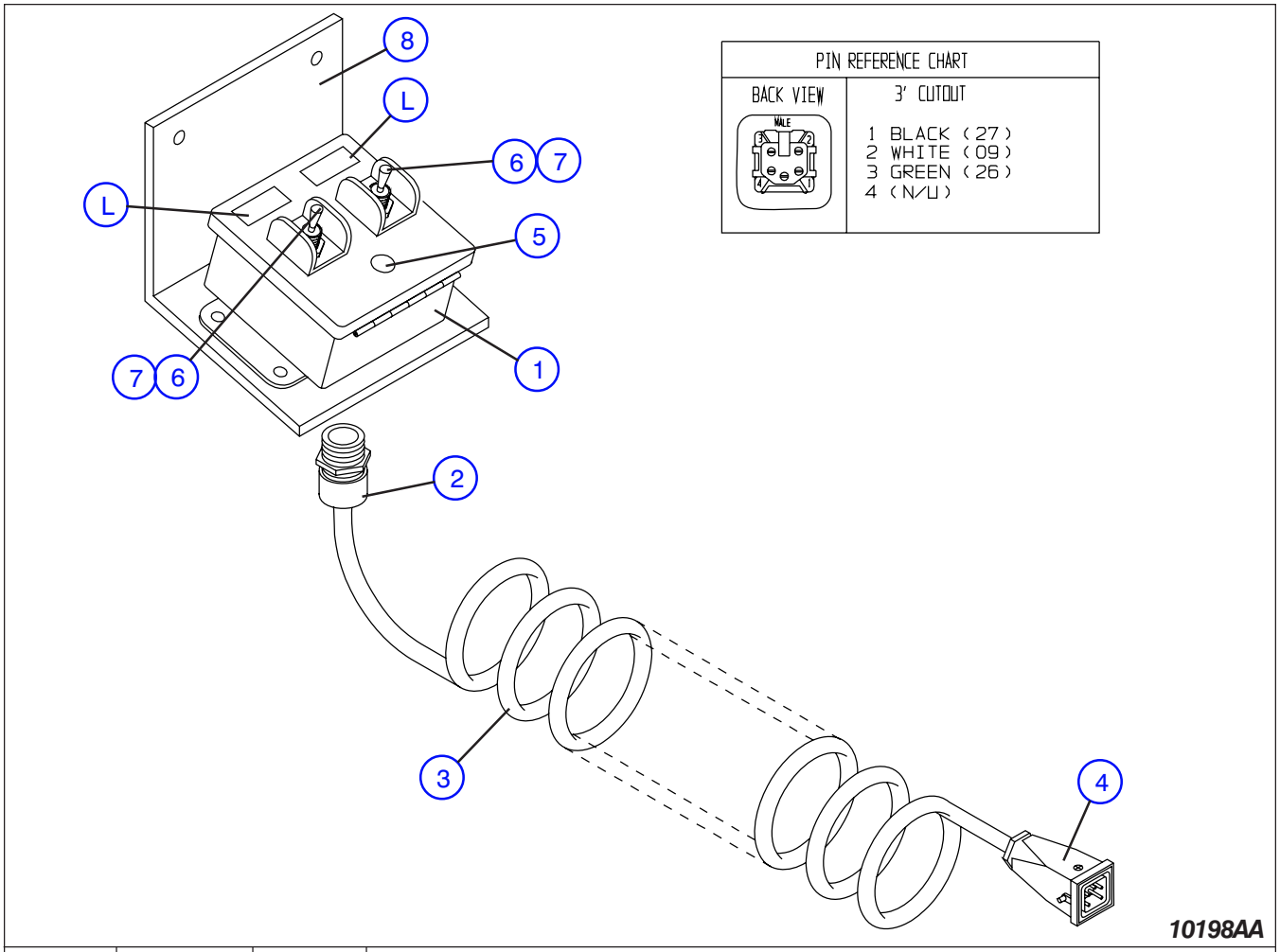


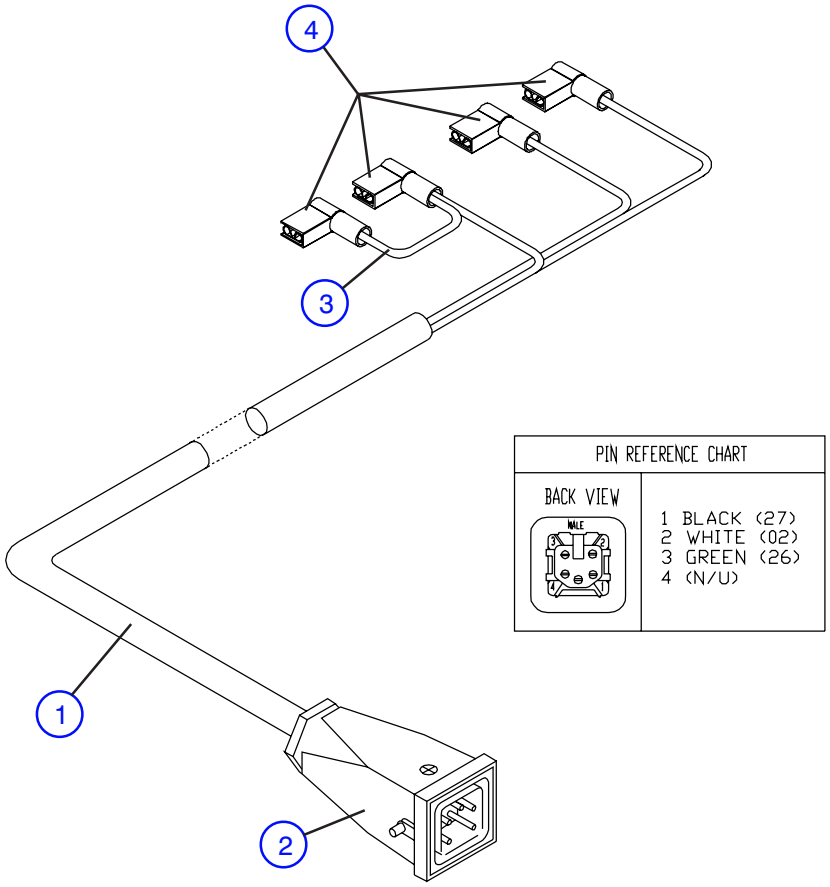
Figure 6.1-12. Powered Extension Hydraulic Hose and Fittings Assembly **AH**

Index No.	Skyjack Part No.	Qty.	Description
A	(Ref.)	-	ASSEMBLY, Hydraulic Hose Connection - **Model 3220/4620**
B	(Ref.)	-	ASSEMBLY, Hydraulic Hose Connection - **Model 4626**
1	(Ref.)	-	ASSEMBLY, Power deck cylinder (For components, refer to Figure 6.1-11)
2	125883	AR	FITTING, Elbow 90° Connector
3	132463	1	FITTING, Tee Connector, **B**
4	108507	AR	PLUG, Hydraulic
5	126366	1	FITTING, Elbow 90° Connector
6	127995	1	HOSE ASSEMBLY, 1/4” dia. x 300” - Return line, **A**
	132459	1	HYDRAULIC HOSE, 1/4” dia. x 380” - Return line, **B**
7	127994	1	HOSE ASSEMBLY, 1/4” dia. x 312” - Supply line, **A**
	132460	1	HYDRAULIC HOSE, 1/4” dia. x 392” - Supply line, **B**
8	(Ref.)	1	FITTINGS, Main Manifold (For components, refer to Figure 6.4-5)
9	132462	1	HYDRAULIC HOSE, 1/4” dia. x 103”, **B**
10	125828	1	HYDRAULIC HOSE, 3/16” dia. x 72.75”
11	132461	1	HYDRAULIC HOSE, 1/4” dia. x 31”, **B**
12	115320	1	PLUG, Hydraulic, **B**
13	103605	2	SOLENOID, 24V Valve
14	113953	1	VALVE, Four Way Spool

Figure 6.1-13. Powered Extension Control Box Assembly



Index No.	Skyjack Part No.	Qty.	Description
A	115592	-	CONTROL BOX ASSEMBLY, Powered ext. platform
1	115539	1	• BOX, Control
2	103041	1	• STRAIN RELIEF, Straight 1/2"
3	106401	1	• CORD, Coiled 18/3
4	107712	1	• CONNECTOR ASSEMBLY, 5 pole male
	103567	1	• • HOUSING, Male with Strain relief connector
	132790	1	• • • HOUSING, Male
	132110	1	• • • CONNECTOR, Strain relief
	103569	1	• • INSERT, Male
5	114377	1	• PLUG, Plastic 1/2”
6	102853	2	• SWITCH, Toggle
7	111181	2	• GUARD, Toggle switch
8	129837	1	PLATE, Control box mounting (Machines with Hinged Railings)
	112467	1	• PLUNGER, Stubby pull-ring
	117188	1	PLATE, Control box mounting (Machines with Rigid Railings)
L	(Ref.)	-	LABELS (Refer to Figure 6.8-3)



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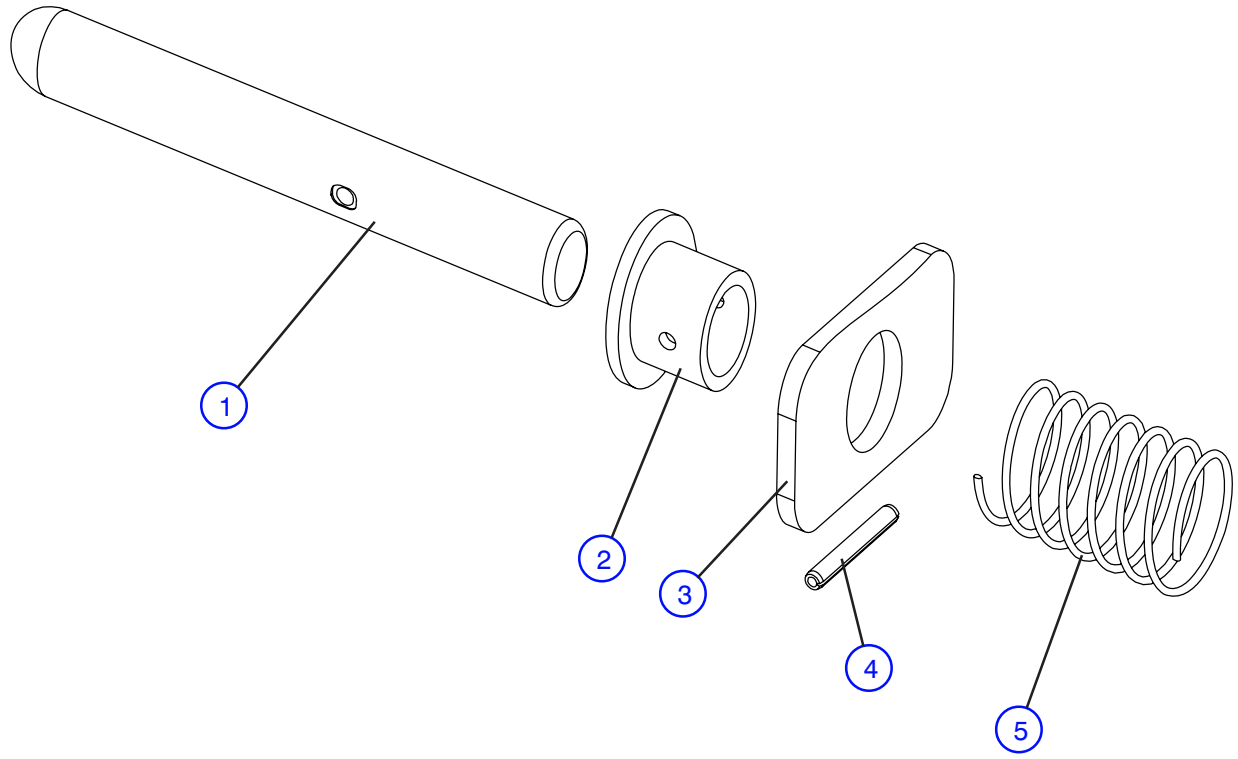
Index No.	Skyjack Part No.	Qty.	Description
A	126109	-	ASSEMBLY, Hydraulic extension platform solenoid cable
1	103257	142”	• CABLE, 18/3 Cabtire
2	107712	1	• CONNECTOR, 5 Pin male
3	102734	10”	• WIRE, White 16 AWG
4	300742	4	• TERMINAL, Female disconnect 14-16GA

Figure 6.1-15. Gate Latch Assembly



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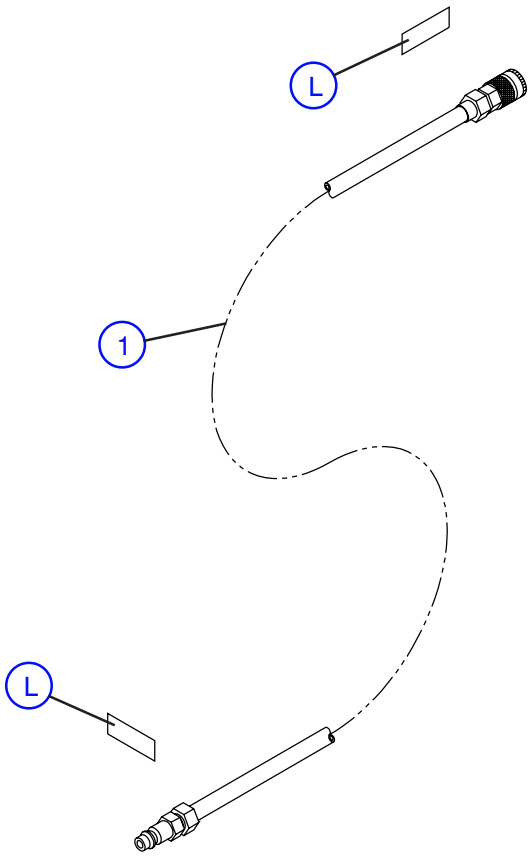
Index No.	Skyjack Part No.	Qty.	Description
A	110824	-	ASSEMBLY, Latch pin spring
1	109377	1	• PIN, Latch
2	105312	1	• GUIDE, Nylon spring
3	105307	1	• PLATE, Gate latch release
4	105310	1	• PIN, Roll
5	103107	1	• SPRING, Compression

Figure 6.1-16. Platform Air Supply Hose **AH**



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Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	1	HOSE ASSY., Air to platform
	107882	1	• FITTING, Female disconnect
	107883	1	• FITTING, Male disconnect
	107884	1	• HOSE, Air 1/2” x 324" lg., **(Model 3220/4620)**
	107884	1	• HOSE, Air 1/2” x 396" lg., **(Model 3226/4626)**
	107884	1	• HOSE, Air 1/2” x 666" lg., **(Model 4632/4632)**
	109050	2	• FITTING, Hose barb
	107886	2	• CLAMP, Hose
	102891	AR	STRAP, Tie 7" lg.
	102893	AR	STRAP, Tie 10-1/2" lg.
L	138212	2	LABEL, Connect air here

Figure 6.1-17. Operator's Control Box Assembly (ANSI/CSA)

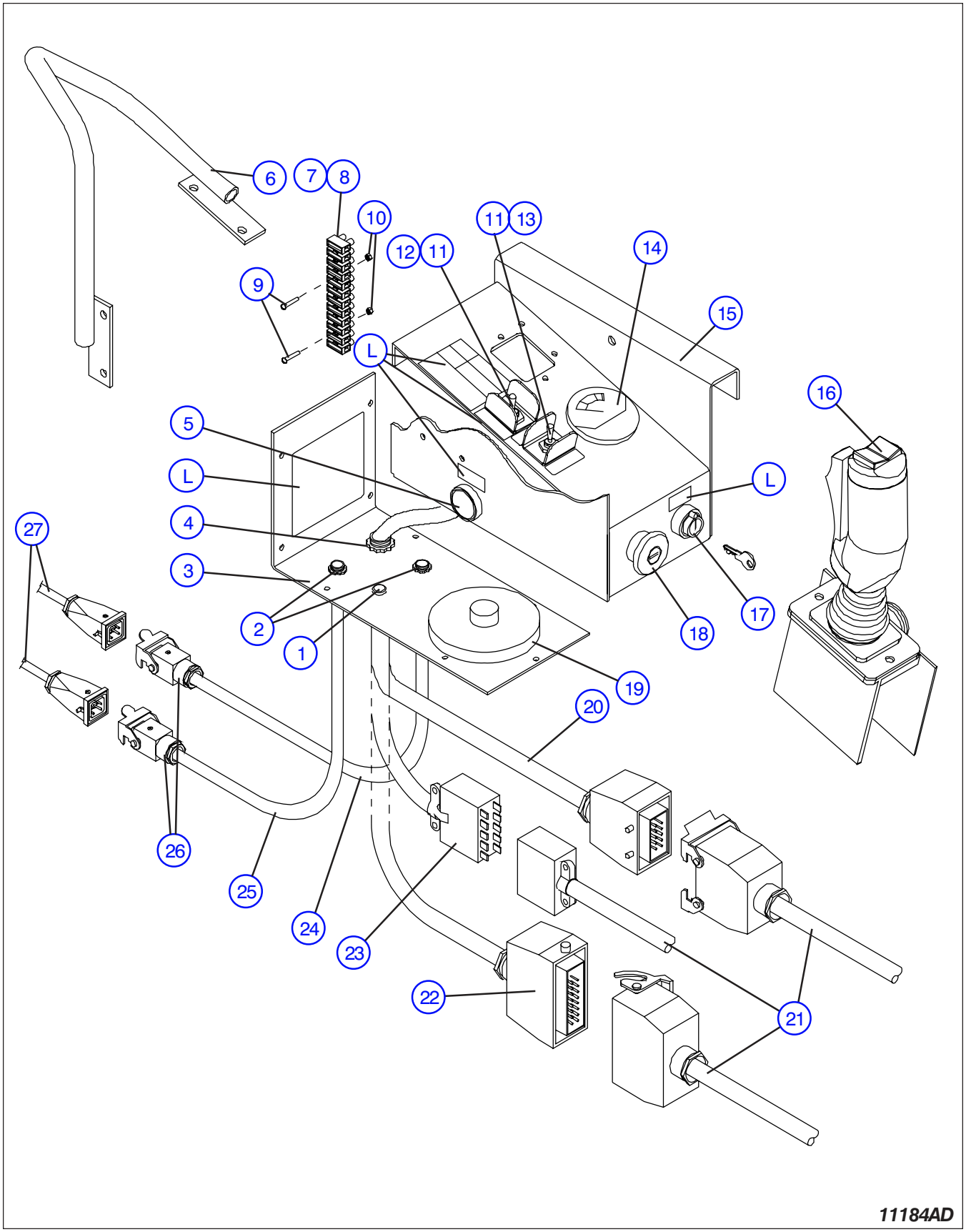


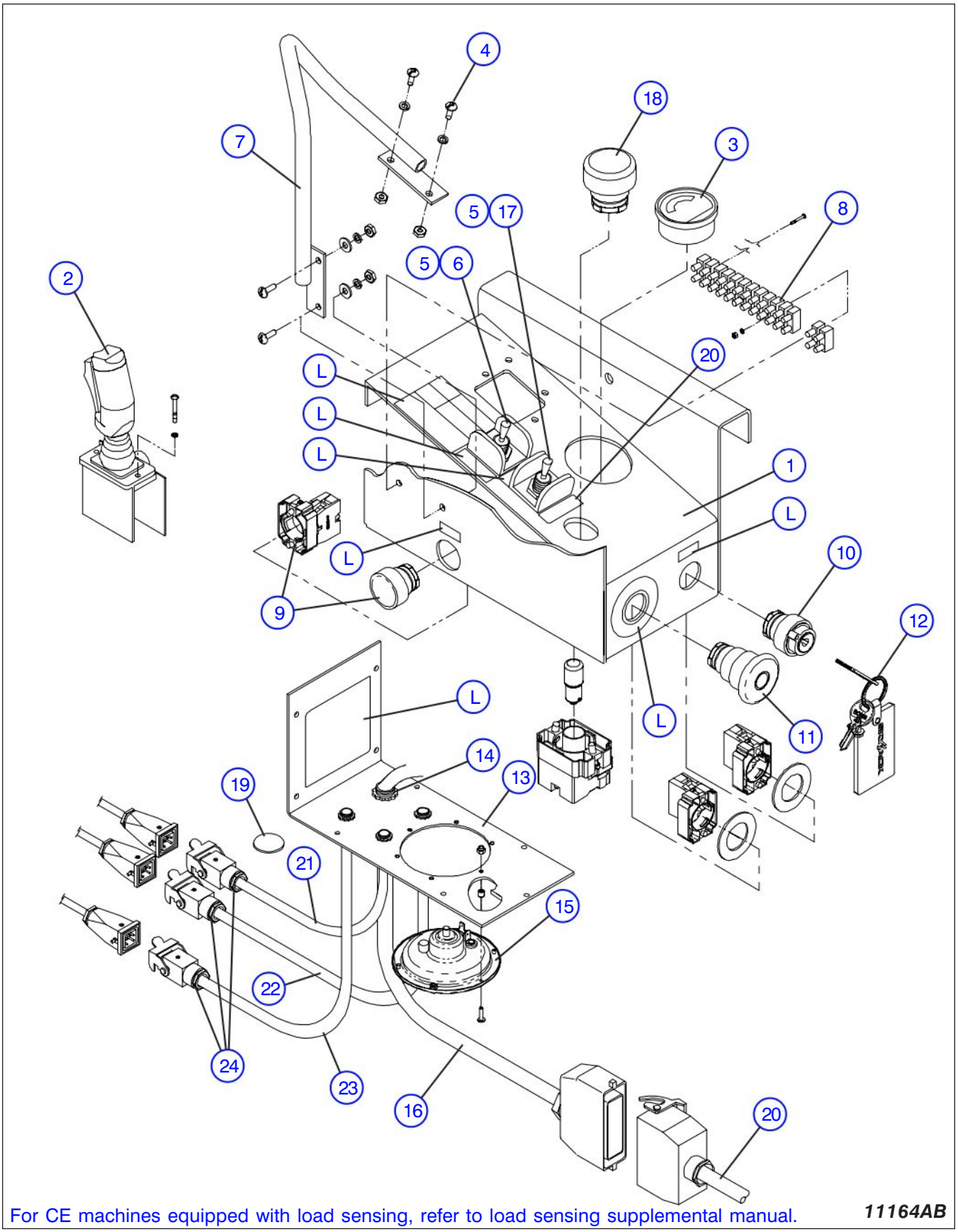
Figure 6.1-17. Operator's Control Box Assembly (ANSI/CSA) **AH**

Index No.	Skyjack Part No.	Qty.	Description
A	116063	-	CONTROL BOX ASS'Y, **(ANSI & CSA No Option)**
B	126205	-	CONTROL BOX ASS'Y, **(ANSI & CSA) (Equipped with Powered Extension Deck)**
C	117228	-	CONTROL BOX ASS'Y, **(ANSI & CSA) (EE Rated Option)**
1	102956	1	PLUG, Plastc 1/2", **B, C**
2	103036	2	CONNECTOR, Cable Strain Relief 1/2", **B**
3	132098	1	COVER, Bottom with horn cutout, **A**
	310625	1	COVER, Bottom with horn cutout, **B, C**
	112327	9	• SCREW, Hex hd self-tapping #8-18 x 1/2
4	300788	1	CONNECTOR, Cable Strain Relief
5	(Ref.)	1	SWITCH ASSEMBLY, Horn push-button
	102851	1	• HEAD, Push-button switch
	103100	1	• BASE, Contact
	103141	1	• SWITCH, N.O. Single Pole Contact
6	124153	1	GUARD, Control Box
	103962	6	• BOLT, Machine #10 - 32 x 1/2"
	104185	6	• WASHER, Lock #10 NOM
	104694	2	• WASHER, Flat #10 S.A.E.
	104003	2	• NUT, Machine #10 - 32 Gr. B
7	113451	1	MOUNT, Terminal strip
8	103012	AR	BLOCK, Terminal
9	112327	2	• SCREW, Round Hd Machine #8 - 18 x 1/2"
10	103985	AR	• NUT, Hex head #6 - 32
11	111181	2	GUARD, Toggle switch
12	115574	1	SWITCH, Torque toggle
13	116382	1	SWITCH, Lift/off/drive toggle
14	122093	1	INDICATOR, Battery charge
15	132096	1	CASING, Control Box, **A**
	128871	1	CASING, Control Box, **B, C**
			Parts list continued on the following page.

Figure 6.1-17. Operator's Control Box Assembly (ANSI/CSA) (Continued) ***AH***

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
16	(Ref.)	1	CONTROLLER ASSEMBLY, Proportional
		-	(For components, refer to Figure 6.1-19)
17	(Ref.)	1	SWITCH ASSEMBLY, Key off/on, **A, B, C**
	102754	1	• HEAD, 2-Position key switch
	104466	AR	• KEY, #455
	103100	1	• BASE, Contact
	103141	1	• SWITCH, N.O. Single Pole Contact
	100149	1	• WASHER, Switch
18	(Ref.)	1	SWITCH ASSEMBLY, Emergency stop
	102769	1	• HEAD, Stop switch
	103100	1	• BASE, Contact
	103225	1	• SWITCH, N.C. Single Pole Contact
	100149	1	• WASHER, Switch
19	121058	1	HORN, 24 Volt operator
	116220	2	• SCREW, Machine M4 x 0.7 x 16 mm
	121484	4	• NUT, Hex Nylon M4 x 0.70
20	(Ref.)	1	CABLE ASSEMBLY, 10 Pin Electrical Panel Control
		-	(For components, refer to Figure 6.6-2)
21	(Ref.)	1	CABLE ASSEMBLY, Scissor Arm
			(For components, refer to Figure 6.1-20)
22	119731	1	CABLE ASSEMBLY, Control box, **B**
	107820	1	• CONNECTOR ASSEMBLY, 16 Pole male
	102887	37"	• CABLE, 16/15
	118711	2	• LABEL, Hydraulic proportional
	119727	2	• CODE PIN
23	119642	1	CABLE ASSEMBLY, Control box, **A**
	102888	37"	• CABLE, 16/10
	102766	1	• PLUG, 10 Pole male
	119456	2	• COVER, CONNECTOR
	118711	2	• LABEL, Hydraulic proportional
24	103257	AR	CORD, Cabtire 18/3 (Power Deck Control Box)
25	103257	27"	CORD, Cabtire 18/3 (Power Deck Solenoid)
26	107711	3	CONNECTOR ASSEMBLY, 5 Pole female
	103568	1	• HOUSING, Female with Strain relief connector
	132789	1	• • HOUSING
	132110	1	• • CONNECTOR, Strain relief
	103570	1	• INSERT, Female
27	(Ref.)	1	CABLE ASSEMBLIES (Powered extension option)
			(For components, refer to Figure 6.1-13, & 6.1-14)
L	(Ref.)	1	LABEL, Control Box
		-	(Refer to Figure 6.8-2)

Figure 6.1-18. Operator's Control Box Assembly (CE)



For CE machines equipped with load sensing, refer to load sensing supplemental manual.

11164AB

Figure 6.1-18. Operator's Control Box Assembly (CE) **AF**

Index No.	Skyjack Part No.	Qty.	Description
A	130593	-	CONTROL BOX, Assembly **(Equipped with Manual Extension Deck)**
B	130595	-	CONTROL BOX, Assembly **(Model 3220/46XX Equipped with Powered Ext.)**
C	130594	-	CONTROL BOX, Assembly **(Model 46XX with Powered Extension)**
1	130564	1	WELDMENT, Control Box
2	(Ref.)	-	JOYSTICK, Controller Proportional. (For components, refer to Figure 6.1-19)
	300831	2	SCREW, Machine Flat Head #10 - 32 x 5/8
3	122093	1	INDICATOR, Battery Charger
4	103962	4	SCREW, Round Hd Machine #10 - 32 x 1/2"
5	111181	AR	GUARD, Toggle Switch
6	115574	1	SWITCH, Torque Toggle
7	124153	1	GUARD, Joystick
	104694	2	• WASHER, Flat #10
	104185	4	• WASHER, Lock #10
	104003	4	• NUT, Machine #10 - 32
8	103012	1	BLOCK, Terminal 12 Position Small
	103955	2	• SCREW, PPHMS #6 - 32 x 3/4
	103985	2	• NUT, Hex Head #6 - 32
	106099	2	• WASHER, Lock #6
9	(Ref)	1	ASSEMBLY, Horn Switch
	102851	1	• HEAD, Push Button Switch
	103100	1	• BASE, Block Contact
	103141	1	• SWITCH, N.O. Contact
10	(Ref.)	1	ASSEMBLY. Key Switch
	103082	1	• HEAD, Key Switch 3 Position
	103100	1	• BASE, Block Contact
	103141	AR	• SWITCH, N.O. Contact
	100149	1	• WASHER, Switch Mount
11	(Ref.)	1	ASSEMBLY, Emergency Stop Switch
	102769	1	• HEAD, Emergency Stop Switch
	103100	1	• BASE, Block Contact
	103225	1	• SWITCH, N.C. Contact
	100149	1	• WASHER, Switch Mount

Part list continued on the following page.

Figure 6.1-18. Operator's Control Box Assembly (CE) (Continued)

Index No.	Skyjack Part No.	Qty.	Description
			Part list continued from the previous page.
12	114710	1	RING, Key Skyjack Logo
13	310625	1	WELDMENT, Control Box Bottom Cover
	112327	9	• SCREW, Hex Hd Self-tapping #8-18 x 1/2"
14	300788	1	CONNECTOR, Strain Relief
15	121058	1	HORN, 24 Volt
	116220	2	• SCREW, Machine M4 x 0.7 x 16mm
	121484	4	• NUT, Hex Nylon Lock M4 x 0.70
16	119731	1	CABLE ASSEMBLY, Control box
	107820	1	• CONNECTOR ASSEMBLY, 16 Pole male
	102887	27"	• CABLE, 16/15
	118711	2	• LABEL, Hydraulic proportional
	119727	2	• CODE, Pin
17	116382	1	SWITCH, Lift/Off/Drive Toggle
18	(Ref.)	1	ASSEMBLY, On/Overload Light
	103202	1	• CAP, Top Light Cover
	102771	1	• BULB, 24 Volt
	102671	1	• MOUNT, Base Light
19	300460	AR	PLUG, Snap In 7/8" Hole, **A, B**
20	(Ref)	-	ASSEMBLY, Scissor Arm Control Cable
21	103257	AR	CORD, Cabtire 18/3 (Power Deck Control Box), **B, C**
22	103256	AR	CORD, Cabtire 18/2 (Power Deck Limit Switch), **C**
23	103255	27"	CORD, Cabtire 18/4 (Power Deck Solenoid), **B, C**
24	107711	3	CONNECTOR ASSEMBLY, 5 Pole female
	103568	1	• HOUSING, Female with Strain relief connector
	132789	1	• • HOUSING
	132110	1	• • CONNECTOR, Strain relief
	103570	1	• INSERT, Female
L	(Ref.)	1	LABEL, Control Box
		-	(Refer to Figure 6.8-2)

Figure 6.1-19. Proportional Controller Assembly **AH**

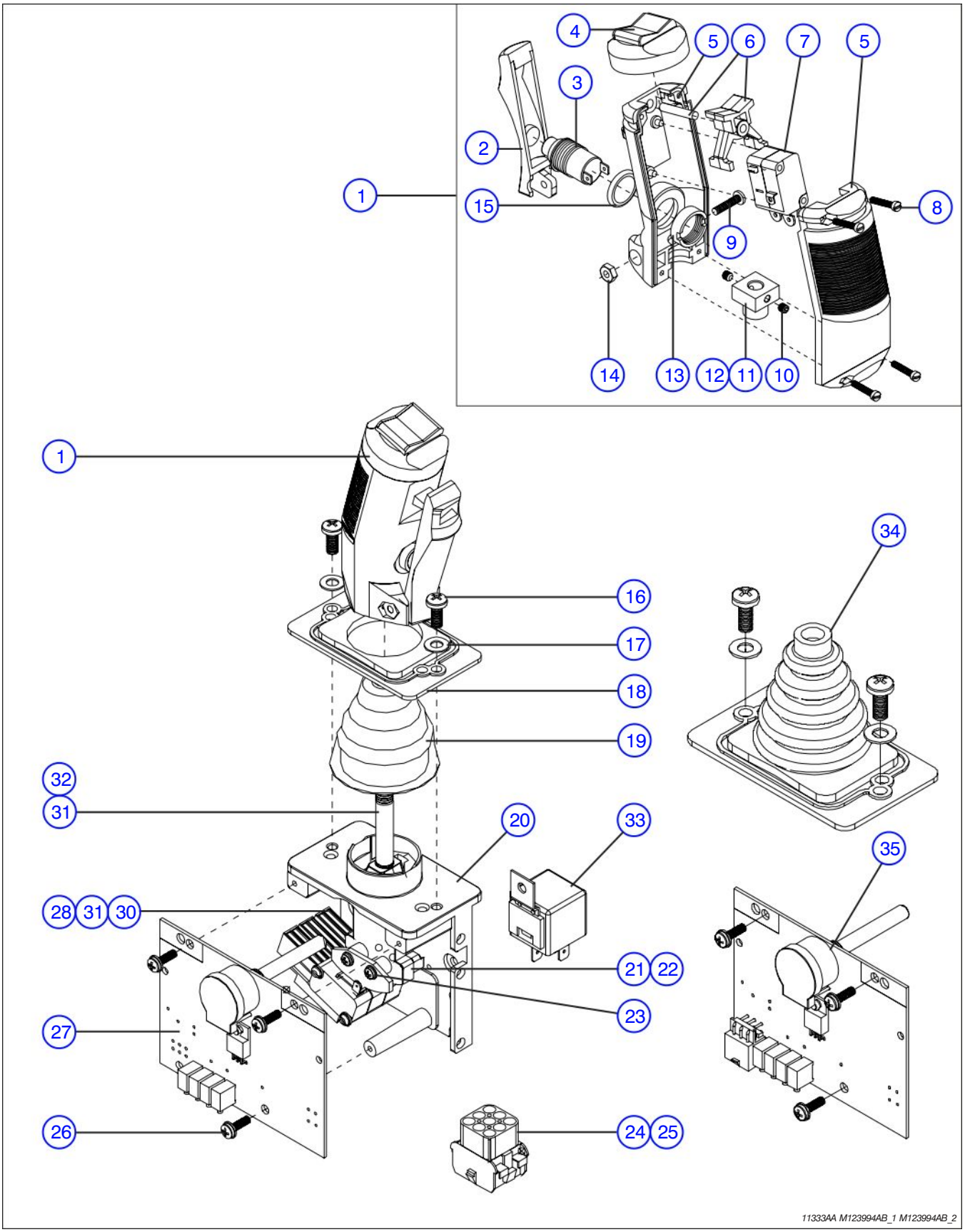


Figure 6.1-19. Proportional Controller Assembly **AH**

Index No.	Skyjack Part No.	Qty.	Description
A	123994	-	CONTROLLER, Enable Joystick Assembly
1	122849	1	• HANDLE, Assembly
2	122873	1	• • LEVER, Trigger
3	122872	1	• • SWITCH, Enable Push Button
4	122874	1	• • CAP, Rubber
5	134112	1	• • KIT, Handle
6	122876	1	• • ROCKER, Assembly
7	122877	2	• • SWITCH, Micro Assembly
8	122879	4	• • SCREW, Joystick Handle
9	122959	1	• • SCREW, Joystick Lever
10	122960	2	• • SCREW, Set
11	122961	1	• • COUPLING, 8 mm
12	122962	1	• • COUPLING, 10 mm
13	122963	1	• • NUT, Push Button
14	122964	1	• • NUT, Joystick Lever
15	122965	1	• • FITTING, O-Ring
16	122846	2	• SCREW
17	122847	2	• WASHER
18	122859	1	• GASKET (If equipped)
19	122848	1	• BOOT (If equipped)
20	122871	1	• BASE
21	122850	2	• SPACER
22	122851	1	• CAM
23	122852	2	• SCREW, Cam
24	122840	1	• CONNECTOR, Male 9 Pole Assembly
	116993	1	• • HOUSING, Connector Male 9 Pole
	116990	9	• • PIN, Female Wire
25	122841	1	• CONNECTOR, Female 9 Pin Assembly
	122839	1	• • HOUSING, Connector Female 9 Pin
	116989	9	• • PIN, Male Wire
26	122867	3	• SCREW, Circuit Board
27	122868	1	• CIRCUIT BOARD, Assembly (If equipped)
28	122869	3	• SWITCH, Micro
29	122870	2	• WASHER, Switch Micro
30	122857	2	• SCREW, Switch Micro
31	124820	1	• SHAFT, Modified Joystick
32	127235	1	• SPRING
33	108589	1	• RELAY, 24 Volt-40 Amp (If equipped)
34	127179	1	• BOOT & GASKET (If equipped)
35	127180	1	• CIRCUIT BOARD, Assembly (If equipped)

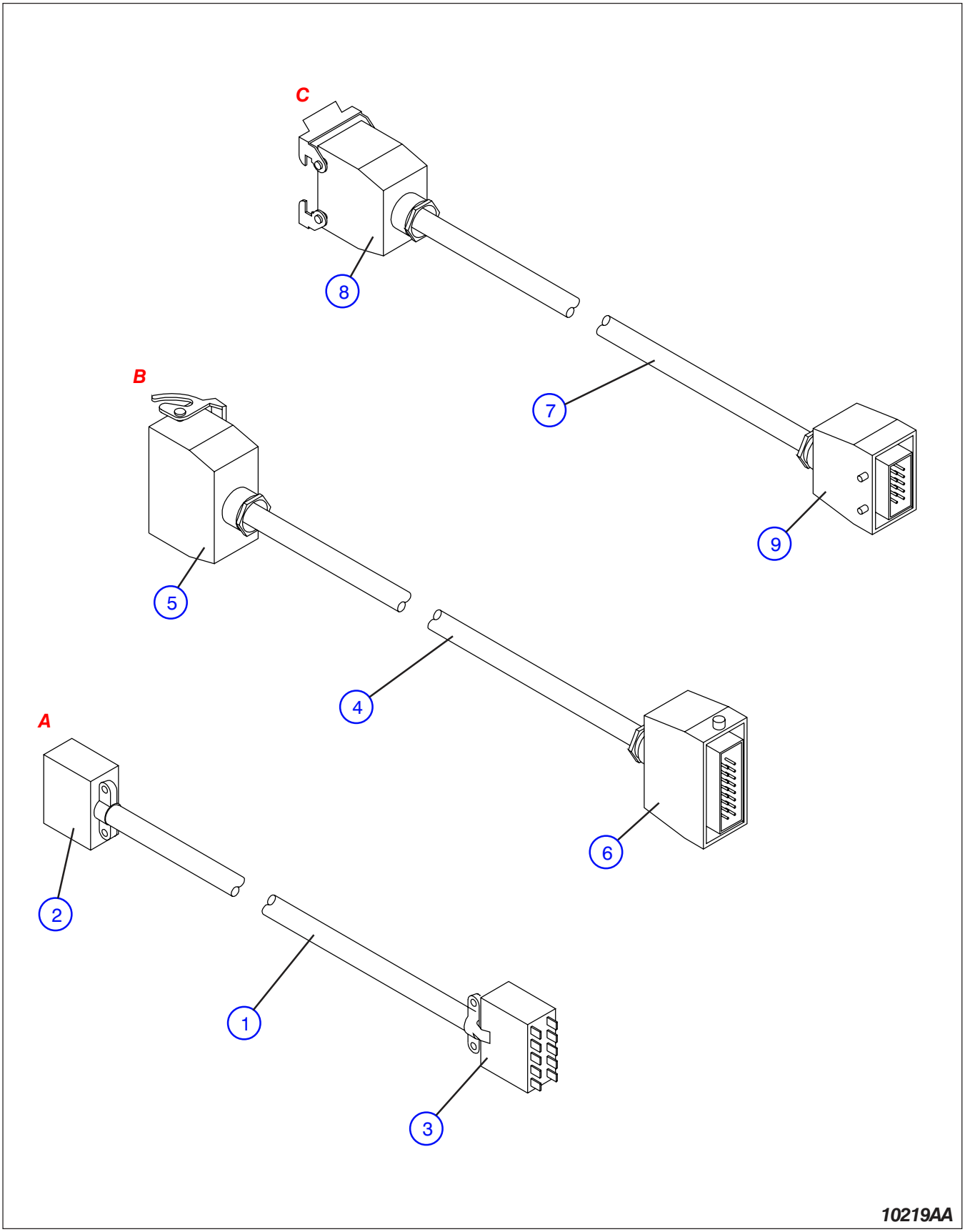

C
8
7
9
B
5
4
6
A
2
1
3
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Figure 6.1-20. Scissor Arm Control Cable Assemblies **AF**

Index No.	Skyjack Part No.	Qty.	Description
A	119643	1	CABLE ASSEMBLY, 10 Pin - **Model 3220 & Model 4620 (ANSI/CSA No Option)**
	119644	1	CABLE ASSEMBLY, 10 Pin - **Model 3226 & Model 4626 (ANSI/CSA No Option)**
	119646	1	CABLE ASSEMBLY, 10 Pin - **Model 4632 (ANSI/CSA No Option)**
	119457	2	• CONNECTOR, Plug
1	102888	AR	• CABLE, 16/10 (Refer to chart below for lengths)
2	102518	1	• SOCKET, 10 Pole, female
	119456	2	• COVER, Connector
3	102766	1	• PLUG, 10 Pin, male
	119949	4	• BOLT, Self thread #6-32
	118711	4	• LABEL, Hydraulic proportional
B	119732	1	CABLE ASSEMBLY, 16 Pin - **Model 3220 & 4620 (ANSI/CSA All Option & CE)**
	119733	1	CABLE ASSEMBLY, 16 Pin - **Model 3226 & 4626 (ANSI/CSA All Option & CE)**
	119735	1	CABLE ASSEMBLY, 16 Pin - **Model 4632 (ANSI/CSA All Option & CE)**
4	102887	AR	• CABLE, 16/15 (Refer to chart below for lengths)
5	107821	1	• CONNECTOR, Female 16 pin
	103565	1	• • HOUSING, Top
	103573	1	• • INSERT, Female
	119727	4	• CODE PIN
6	107820	1	• CONNECTOR, 16 Pin male
	103564	1	• • HOUSING, Top
	103574	1	• • INSERT, Male
	118711	4	• LABEL, Hydraulic proportional
C	119738	1	CABLE ASSEMBLY, 10 Pin - **Model 4620 (EE Rated)**
	119739	1	CABLE ASSEMBLY, 10 Pin - **Model 4626 (EE Rated)**
	119740	1	CABLE ASSEMBLY, 10 Pin - **Model 4632 (EE Rated)**
7	102888	AR	• CABLE, 16/10 (Refer to chart below for lengths)
8	107777	1	• CONNECTOR, 10 Pin female
	103566	1	• • HOUSING, Top
	103571	1	• • INSERT, Female
	119727	4	• CODE PIN
9	107778	1	• CONNECTOR, 10 Pin male
	103563	1	• • HOUSING, Top
	103572	1	• • INSERT, Male
	118711	4	• LABEL, Hydraulic proportional

Models	3220/4620	3226/4626	4632
Cable Lengths	384”	468”	564”

60054AC

Figure 6.2-1. Scissor Arm Assembly - Model 3220 & 4620 **AF**

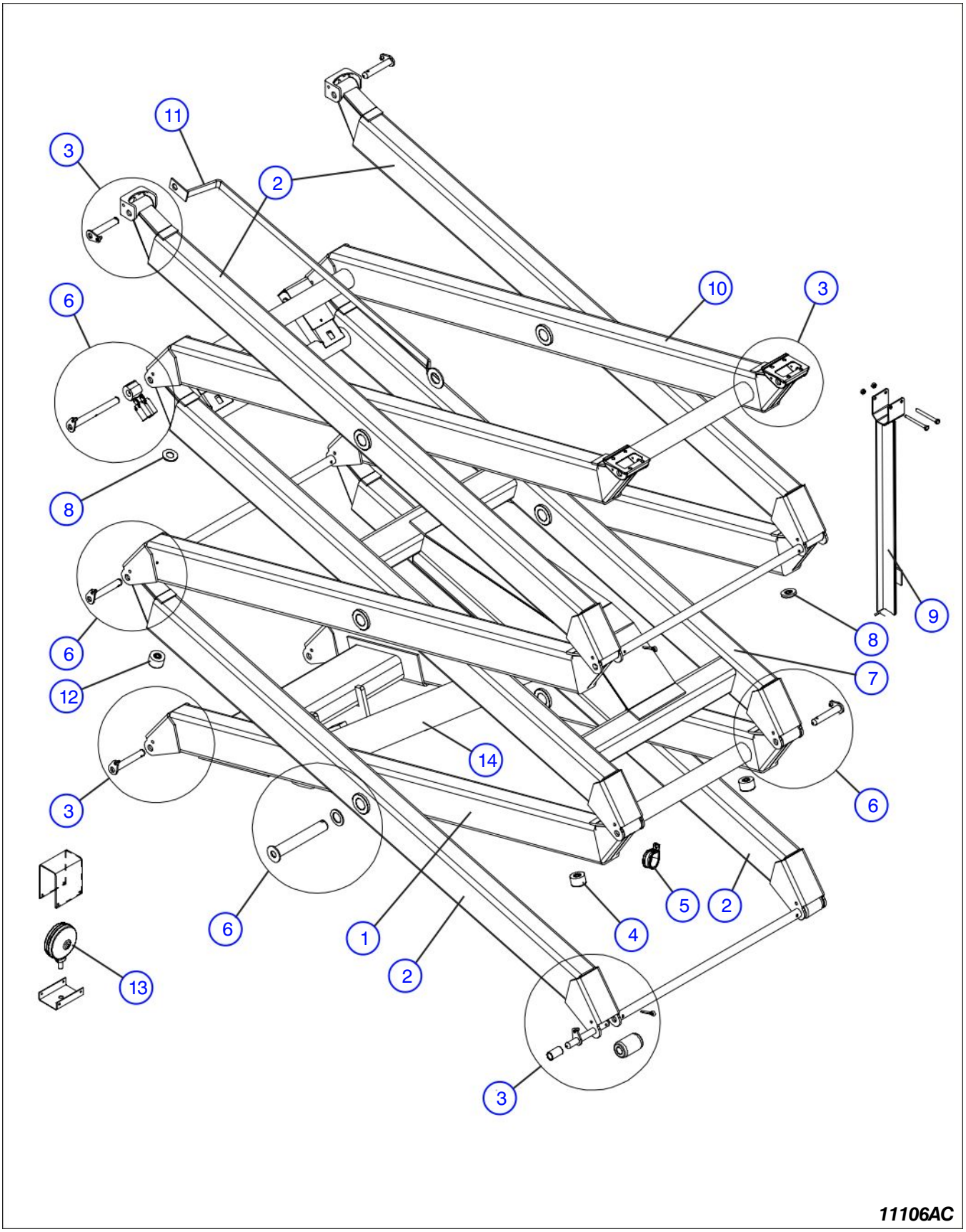


Figure 6.2-1. Scissor Arm Assembly - Model 3220 & 4620

Index No.	Skyjack Part No.	Qty.	Description
A	125997	-	Entire Scissor Assembly Model 3220 - Without Powered Extension **(ANSI/CSA)**
	132580	-	Entire Scissor Assembly Model 3220 - With Powered Extension **(ANSI/CSA)**
	130581	-	Entire Scissor Assembly Model 3220 - Without Powered Extension **(CE)**
	132584	-	Entire Scissor Assembly Model 3220 - With Powered Extension **(CE)**
B	134764	-	Entire Scissor Assembly Model 4620 - Without Powered Extension **(ANSI/CSA)**
			(Order P/N 132058 for machines with Serial No. 714053 & Below - Model 4620)
	134765	-	Entire Scissor Assembly Model 4620 - With Powered Extension **(ANSI/CSA)**
			(Order P/N 132573 for machines with Serial No. 714053 & Below - Model 4620)
	134773	-	Entire Scissor Assembly Model 4620 - Without Powered Extension **(CE)**
			(Order P/N 132064 for machines with Serial No. 714053 & Below - Model 4620)
	134777	-	Entire Scissor Assembly Model 4620 - With Powered Extension **(CE)**
			(Order P/N 132574 for machines with Serial No. 714053 & Below - Model 4620)
1	126329	1	SCISSOR LEVEL, Inside cylinder bottom, **A**
	130254	1	SCISSOR LEVEL, Inside cylinder bottom, **B**
2	125902	6	SCISSOR ARMS, Outside
3	(Ref.)	-	MOUNTING, Scissor Stack Assembly
			(For components, refer to Figure 6.2-4)
4	130841	2	BUMPER ASSEMBLY, Scissor first level - Front
	130840	1	• BUMPER, Scissor Bottom
	123713	1	• BOLT, Hex Hd M12-1.25 x 16mm
	600426	1	• WASHER, Flat M12
5	103078	AR	CLIP, Double G10
	122501	AR	• SCREW, Machine 3/8”-16 x 5/8” hex washer hd
6	(Ref.)	-	HARDWARE, Scissor Arm Assembly Connecting
			(For components, refer to Figure 6.2-5)
7	120731	1	SCISSOR LEVEL, Inside cylinder top, **A**
	120657	1	SCISSOR LEVEL, Inside cylinder top, **B**
8	121860	AR	BUMPER, Scissor arm
9	123344	1	WELDMENT, Safety bar, **A**
	123324	1	WELDMENT, Safety bar, **B**
	103984	AR	• NUT, Hex Lock 5/16”-18 Gr. B
	122006	AR	• BOLT, Hex head 5/16” -18 x 3 1/4” Gr. 5
10	123354	1	SCISSOR LEVEL, Inside, **A**
	123353	1	SCISSOR LEVEL, Upper Inside, **B**
11	134749	AR	WELDMENT, Cable carrier
			(Order P/N 121907 for machines with Serial No. 714053 & Below - Model 4620)
12	130889	2	BUMPER ASSEMBLY, Scissor first level
	130840	1	• BUMPER, Scissor Bottom
	123713	1	• BOLT, Hex Hd M12-1.25 x 16mm
	131953	1	• WASHER, Flat 7/8”
13	(Ref.)	-	ASSEMBLY, Flashing Light Option
			(For components, refer to Figure 6.2-6)
14	(Ref.)	-	HARDWARE, Lift Cylinder and mounting
			(For components, refer to Figure 6-2.8)

Figure 6.2-2. Scissor Arm Assembly - Model 3226 & 4626

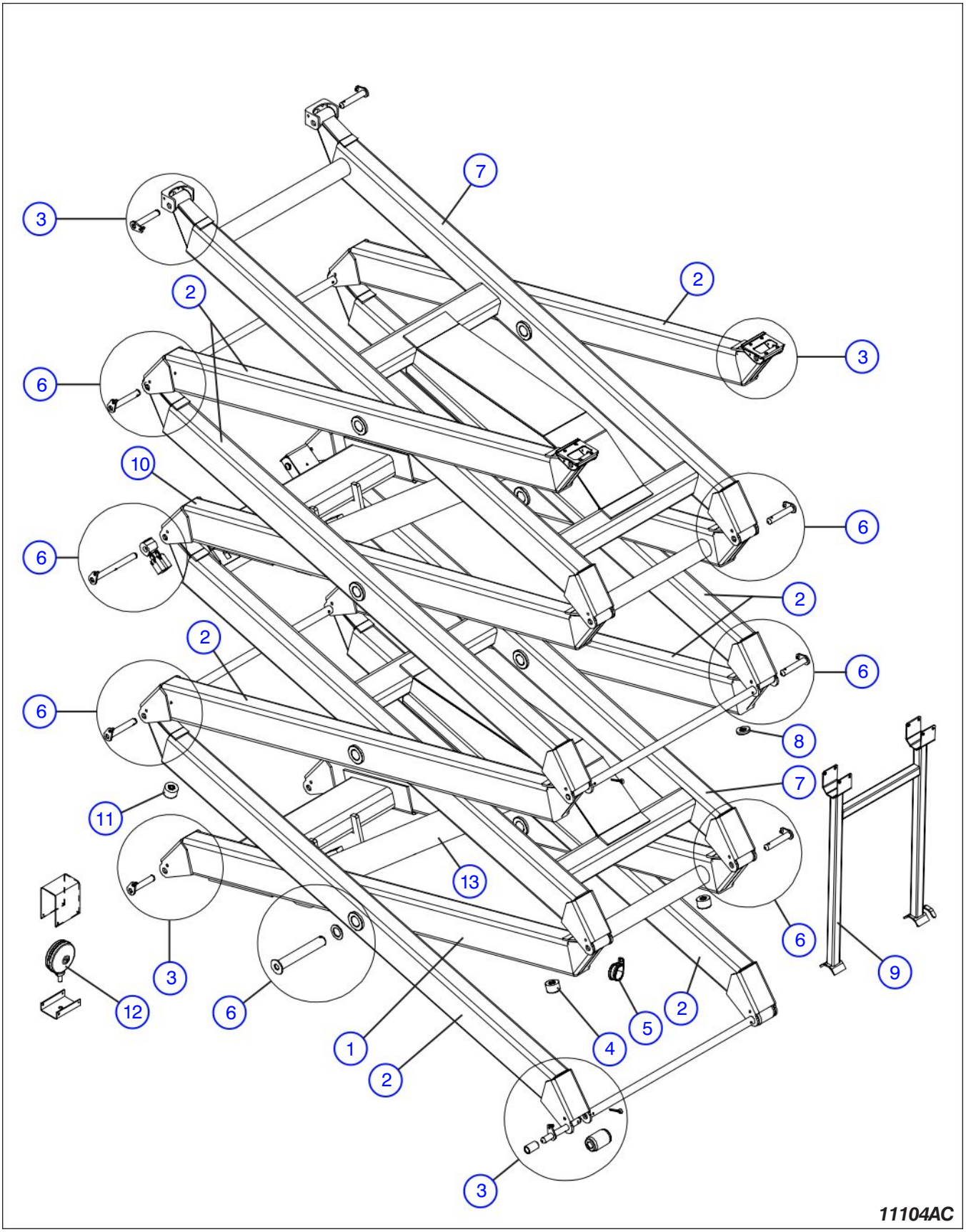


Figure 6.2-2. Scissor Arm Assembly - Model 3226 & 4626

Index No.	Skyjack Part No.	Qty.	Description
A	125965	-	Entire Scissor Assembly - **Model 3226 (ANSI/CSA)**
	130600	-	Entire Scissor Assembly - **Model 3226 (CE)**
B	132059	-	Entire Scissor Assembly - **Model 4626 (ANSI/CSA)**
	132065	-	Entire Scissor Assembly - **Model 4626 (CE)**
1	126329	1	SCISSOR LEVEL, Inside cylinder bottom, **A**
	130254	1	SCISSOR LEVEL, Inside cylinder bottom, **B**
2	125902	8	SCISSOR ARMS, Outside
3	(Ref.)	-	MOUNTING, Scissor Stack Assembly (For components, refer to Figure 6.2-4)
4	130841	2	BUMPER ASSEMBLY, Scissor first level - Front
	130840	1	• BUMPER, Scissor Bottom
	123713	1	• BOLT, Hex Hd M12-1.25 x 16mm
	600426	1	• WASHER, Flat M12
5	103078	AR	CLIP, Double G10
	122501	AR	• SCREW, Machine 3/8”-16 x 5/8” hex washer hd
6	(Ref.)	-	HARDWARE, Scissor Arm Assembly Connecting (For components, refer to Figure 6.2-5)
7	120731	2	SCISSOR LEVEL, Inside cylinder top, **A**
	120657	2	SCISSOR LEVEL, Inside cylinder top, **B**
8	121860	AR	BUMPER, Scissor arm
9	123344	1	WELDMENT, Safety bar, **A**
	123324	1	WELDMENT, Safety bar, **B**
	103984	AR	• NUT, Hex Lock 5/16”-18 Gr. B
	122006	AR	• BOLT, Hex head 5/16”-18 x 3 1/4 Gr. 5
10	123352	1	SCISSOR LEVEL, Inside cylinder bottom, **A**
	130829	1	SCISSOR LEVEL, Inside cylinder bottom, **B**
11	130889	2	BUMPER ASSEMBLY, Scissor first level - Rear
	130840	1	• BUMPER, Scissor Bottom
	123713	1	• BOLT, Hex Hd M12-1.25 x 16mm
	131953	1	• WASHER, Flat 7/8”
12	(Ref.)	-	ASSEMBLY, Flashing Light Option (For components, refer to Figure 6.2-6)
13	(Ref.)	-	HARDWARE, Lift Cylinder and mounting (For components, refer to Figure 6-2.8)

Figure 6.2-3. Scissor Arm Assembly - Model 4632

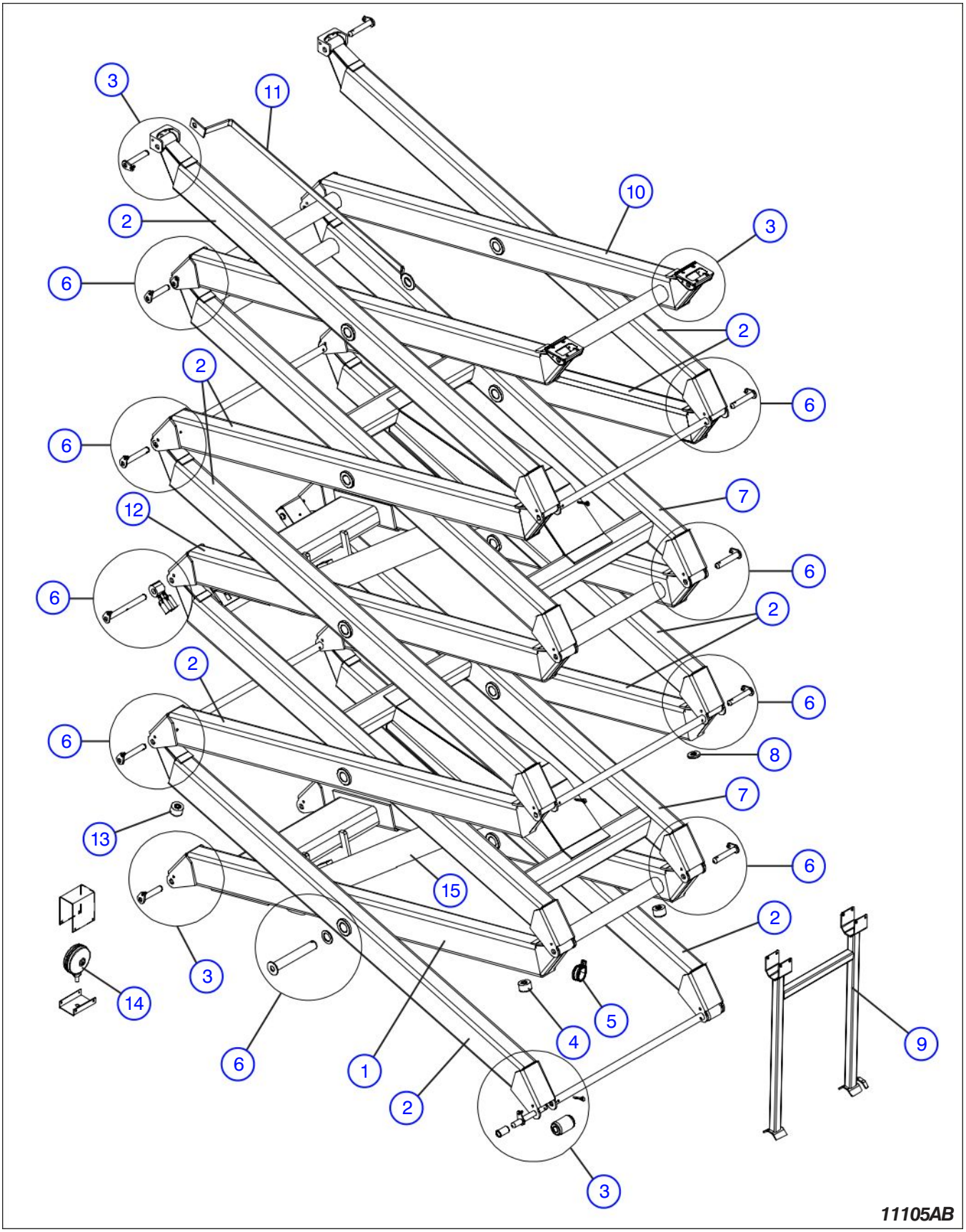
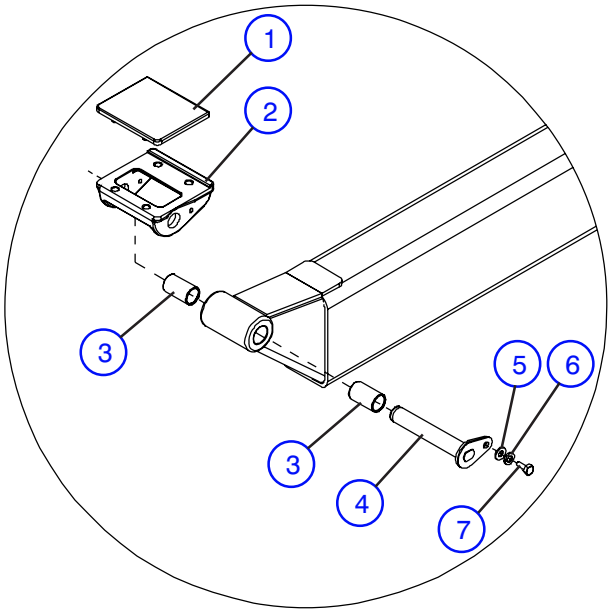


Figure 6.2-3. Scissor Arm Assembly - Model 4632

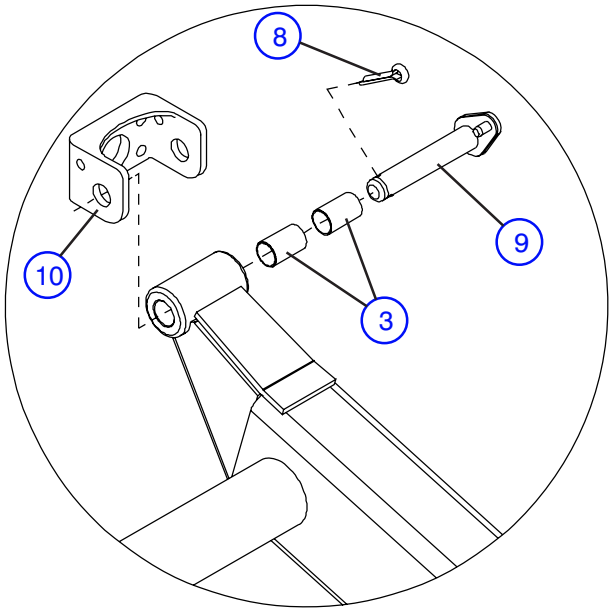
Index No.	Skyjack Part No.	Qty.	Description
A	134799	-	Entire Scissor Assembly **(ANSI/CSA)**
			(Order P/N 132062 for machines with Serial No. 714053 & Below)
B	135983	-	Entire Scissor Assembly **(CE)**
			(Order P/N 132066 for machines with Serial No. 714053 & Below)
1	130254	1	SCISSOR LEVEL, Inside cylinder bottom
2	125902	10	SCISSOR ARMS, Outside
3	(Ref.)	-	MOUNTING, Scissor Stack Assembly
			(For components, refer to Figure 6.2-4)
4	130841	2	BUMPER ASSEMBLY, Scissor first level - Front
	130840	1	• BUMPER, Scissor Bottom
	123713	1	• BOLT, Hex Hd M12-1.25 x 16mm
	600426	1	• WASHER, Flat M12
5	103078	AR	CLIP, Double G10
	122501	AR	• SCREW, Machine 3/8”-16 x 5/8” hex washer hd
6	(Ref.)	-	HARDWARE, Scissor Arm Assembly Connecting
			(For components, refer to Figure 6.2-5)
7	120657	2	SCISSOR LEVEL, Inside cylinder top
8	121860	AR	BUMPER, Scissor arm
9	123324	1	WELDMENT, Safety bar
	103984	4	• NUT, Lock (hex) 5/16”-18 Gr. B
	122006	4	• BOLT, Hex head 5/16”-18 x 3 1/4” Gr. 5
10	132610	1	SCISSOR LEVEL, Upper Inside
11	134749	1	WELDMENT, Cable Carrier
			(Order P/N 121907 for machines with Serial No. 714053 & Below)
12	130829	1	SCISSOR LEVEL, Inside cylinder bottom
13	130889	2	BUMPER ASSEMBLY, Scissor first level - Rear
	130840	1	• BUMPER, Scissor Bottom
	123713	1	• BOLT, Hex Hd M12-1.25 x 16mm
	131953	1	• WASHER, Flat 7/8”
14	(Ref.)	-	ASSEMBLY, Flashing Light Option
			(For components, refer to Figure 6.2-6)
15	(Ref.)	-	HARDWARE, Lift Cylinder and mounting
			(For components, refer to Figure 6-2.8)

Figure 6.2-4. Scissor Stack Assembly Mounting

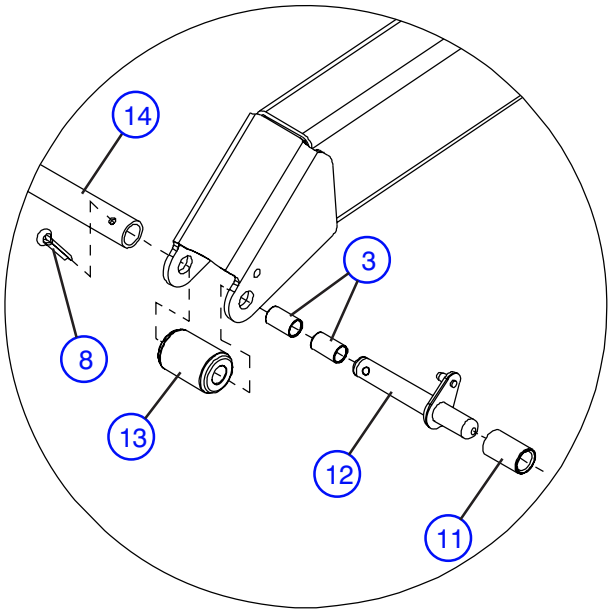
A - Top Slider Assembly



B - Main Platform Bracket Mounting Assembly



C - Bottom Slider Assembly



D - End Pin Assembly at Base

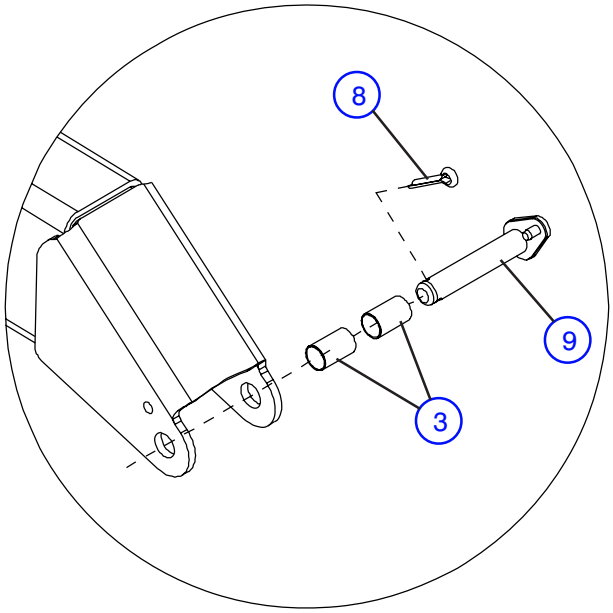


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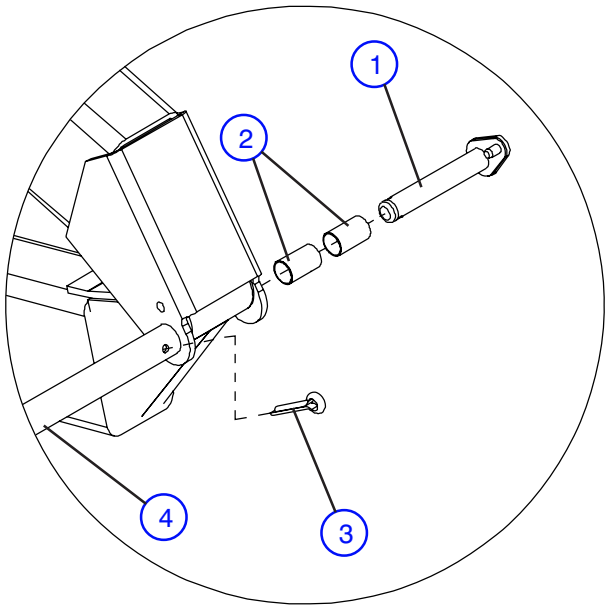
Figure 6.2-4. Scissor Stack Assembly Mounting **AH**

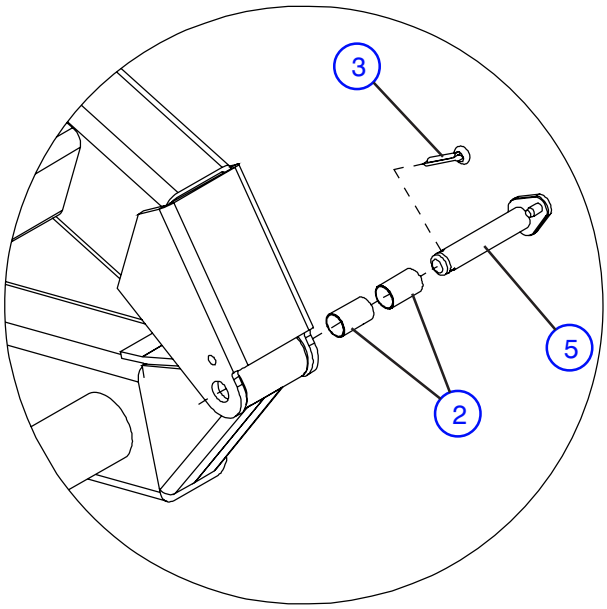
Index No.	Skyjack Part No.	Qty.	Description
1	120772	1	• PAD, Slider
2	120771	1	• BRACKET, Main Platform Slider **(Model 4620, 4632)**
	134049	1	• BRACKET, Main Platform Slider **(Model 4620)**
			(For Models 4626, order P/N 120771 for Machines with Serial No. 712030 & Below)
3	123430	2	• BUSHING, Fiberglide 3/4"I.D. x 1-1/2"
4	123416	1	• PIN, Main Platform Slider **(Model 32XX)**
	121685	1	• PIN, Main Platform Slider **(Model 46XX)**
5	103995	1	• WASHER, Flat 1/4"
6	104000	1	• WASHER, Lock 1/4"
7	103892	1	• BOLT, Hex Hd 1/4"-20 x 5/8"
8	121874	1	• COTTER PIN, 1/4" x 1.5"
9	120958	1	• PIN, Ø ¾" x 4" (Scissor level without Cable Carrier Weldment)
	121676	1	• PIN, Ø ¾" x 4 1/4" (Scissor level with Cable Carrier Weldment)
10	125470	2	• WELDMENT, Platform Mounting Bracket
11	121856	1	• SPACER, Bottom Roller Pin
12	121604	1	• PIN, Bottom Roller
13	120697	14	• ROLLER, Scissor
14	121605	1	• TUBE, Outside scissor arms Cross Member **(Model 32XX)**
	121672	1	• TUBE, Outside scissor arms Cross Member, **(Model 46XX)**

Figure 6.2-5. Scissor Arm Assembly Connecting Hardware

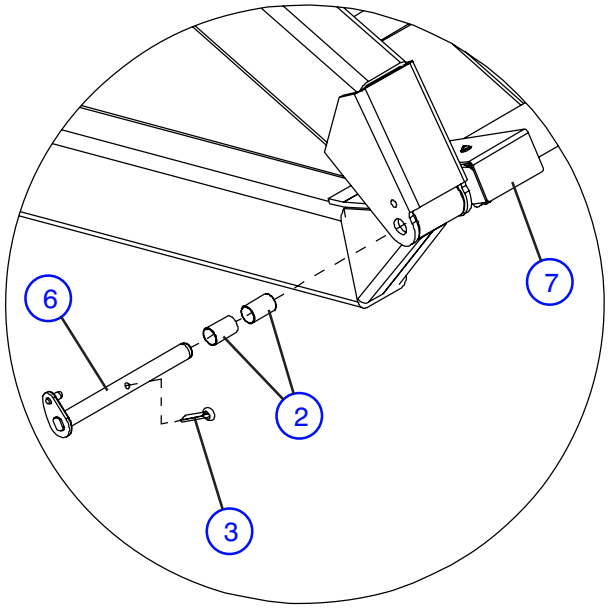
Outside End Pin Assembly (With Cross Member Tube)



Inside End Pin Assembly (Without Cross Member Tube)



Limit Switch Pin Assembly



Center Pin Assembly

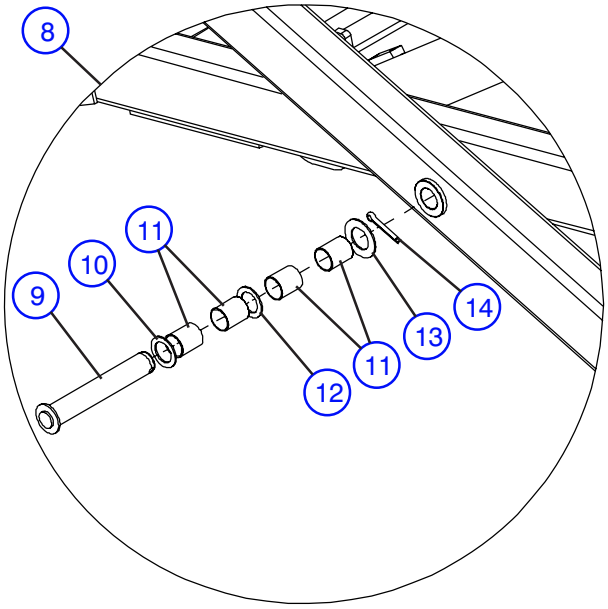


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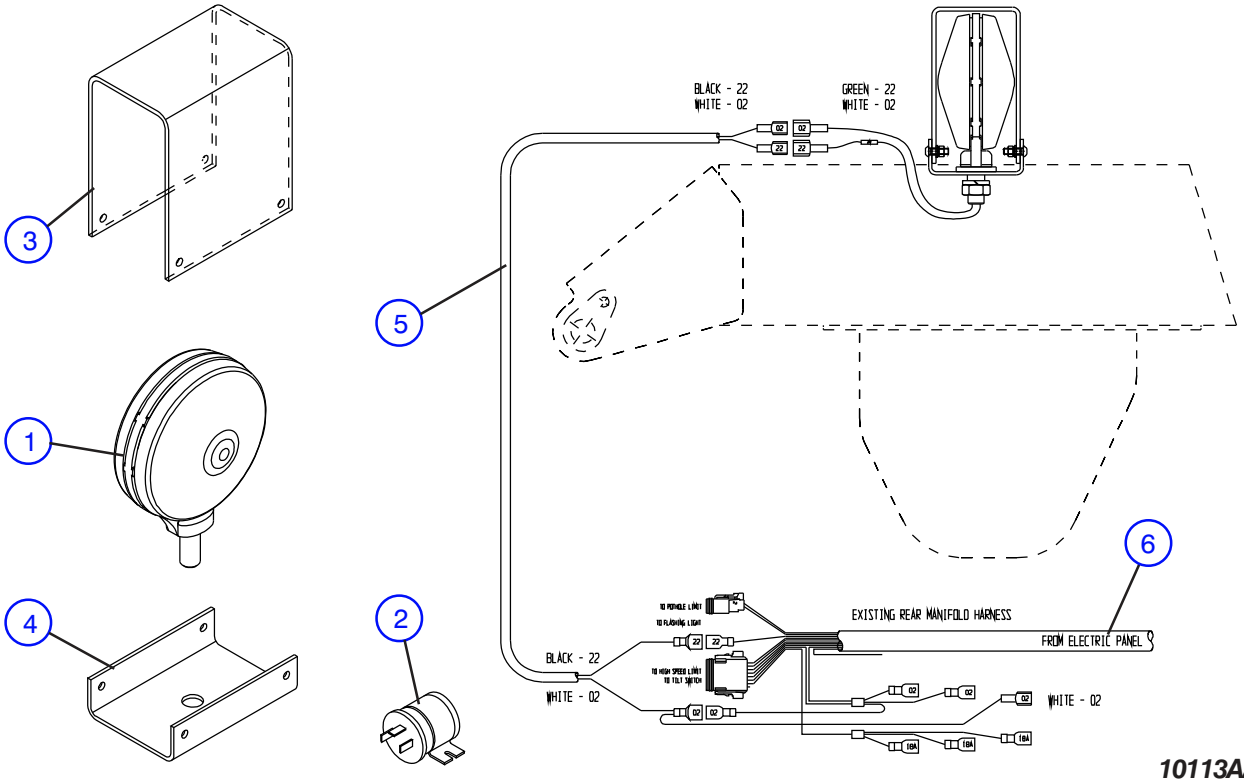
Figure 6.2-5. Scissor Arm Assembly Connecting Hardware **AH**

Index No.	Skyjack Part No.	Qty.	Description
1	121674	1	PIN, Outside Scissor
2	123430	2	BUSHING, Fiberglide 3/4”I.D. x 1-1/2”
3	121874	1	COTTER PIN, 1/4” x 1.5”
4	121605	1	TUBE, Outside scissor arms Cross Member **(Model 32XX)**
	121672	1	TUBE, Outside scissor arms Cross Member, **(Model 46XX)**
5	120958	1	PIN, Inside Scissor
6	121677	1	PIN, Limit Switch
7	(Ref.)	-	ASSEMBLY, Limit Switch (For Components, Refer to Figure 6.2-7)
8	128256	AR	ASSEMBLY, Center Pin (Scissor level without Cable Carrier Weldment)
	130385	AR	ASSEMBLY, Center Pin (Scissor level with Cable Carrier Weldment)
9	120673	1	• PIN, Center
10	101520	1	• WASHER, Nylon 2”O.D. x 1.28” I.D. x 0.12” thk
11	123431	4	• BUSHING, Fiberglide 1-1/4” x 1-13/16”
12	121703	1	• SPACER, Bearing Thrust Fiberglide 1-1/4” I.D.
*13	122502	1	• WASHER, Flat 1-1/4”I.D. x 2-1/4” O.D.
14	121875	1	• COTTER PIN, 5/16” dia. x 2.0”
			**** Note:** Not required if equipped with Cable Carrier Weldment*

Figure 6.2-6. Flashing Amber Light Option **AI**



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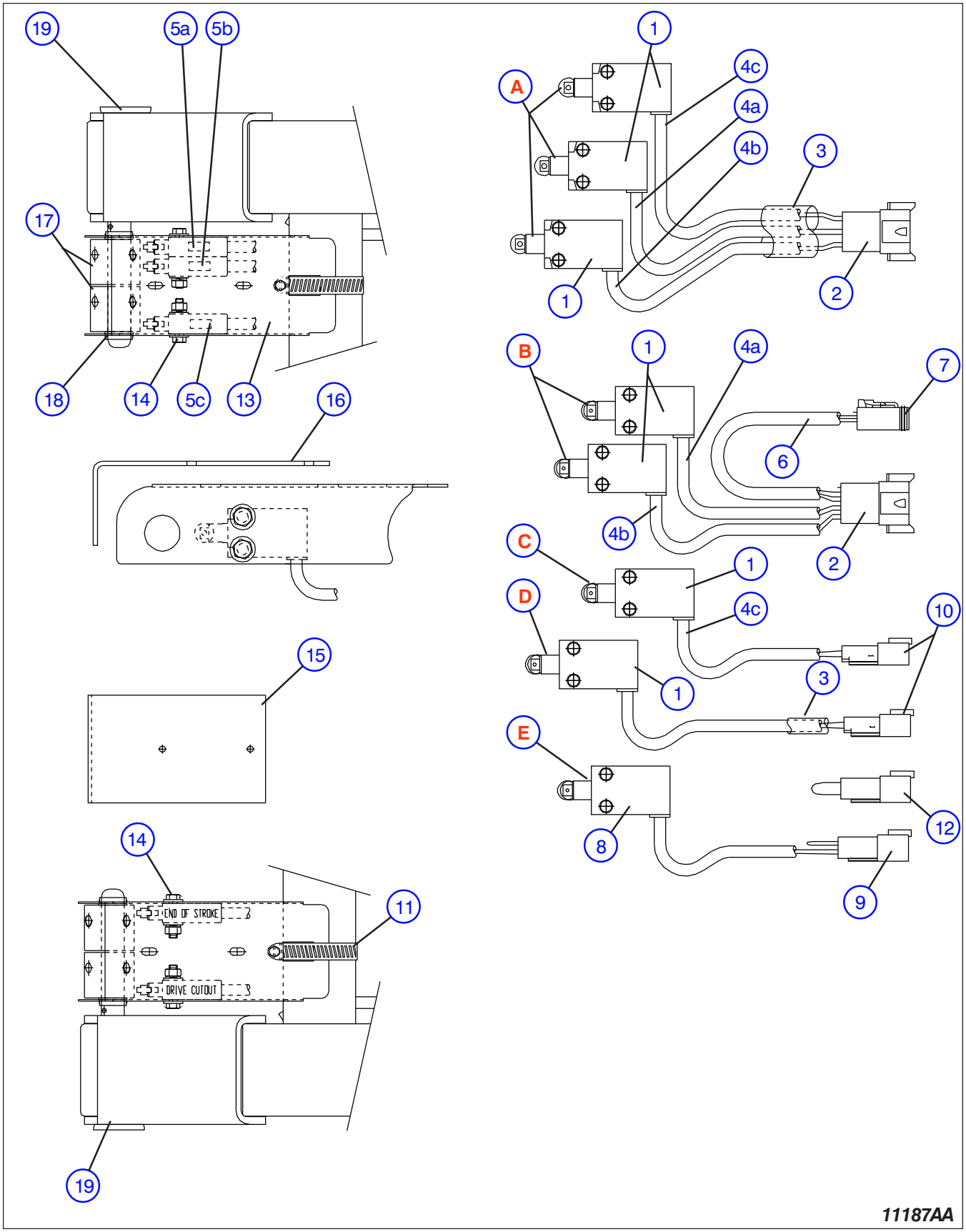
Index No.	Skyjack Part No.	Qty.	Description
1	121838	1	LIGHT ASSEMBLY, Flashing amber (without Terminals)
	126111	1	LIGHT ASSEMBLY, Flashing Amber (with Terminals included as shown)
	121477	1	• LIGHT, Beacon
	121533	1	• • LENS, Amber
	103111	1	• • BULB, 24 Volt (if equipped with single contact bulb)
	146153	1	• • BULB, 24 Volt (if equipped with dual contact bulb)
2	103743	1	FLASHER, 12-24 Volt
3	123180	1	COVER ASSEMBLY (Optional For EE Rated Machines)
	123177	1	• COVER, Flashing Light
4	123178	1	• BRACKET, Flashing Light Cover
	120094	4	• BOLT, #10-32 x 5/8”
	104003	4	• NUT, #10-32
	104694	4	• WASHER, #10 Flat
	104185	4	• WASHER, #10 Lock
5	141566	1	HARNESS, Flashing light **(Machines with S/N** 60000967 **& Above)**
	103256	100”	• CABTIRE, 18/2
	126104	1	HARNESS, Flashing light **(Model 3220)** **(For Machines with S/N** 60000966 **& Below)**
	103256	48”	• CABTIRE, 18/2
	126100	1	HARNESS, Flashing light **(Model 3226)** **(For Machines with S/N** 27002839 **& Below)**
	103256	228”	• CABTIRE, 18/2
	132283	1	HARNESS, Flashing Light Option **(Model 46XX)** **(For Machines with S/N** 70003077 **& Below)**
	103256	60”	• CABTIRE, 18/2
6	(Ref.)	-	HARNESS, Rear Manifold (For components, refer to Figure 6.6-1)


19
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5b
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18
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5c
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16
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11
END OF STROKE
DRIVE CUTOUT
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4c
4a
4b
3
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2
B
1
4a
7
6
4b
2
C
1
D
4c
10
1
3
E
8
12
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Figure 6.2-7. Scissor Arm Limit Switch Assemblies **AI**

Index No.	Skyjack Part No.	Qty.	Description
A	132236	1	SWITCH ASS'Y, High Speed/Pot Hole Limit **(All ANSI/CSA except EE Rated)**
B	121976	1	SWITCH ASS'Y, High speed limit **(For ANSI/CSA EE-Rated models)**
C	121978	1	SWITCH ASS'Y, Pothole override limit **(For ANSI/CSA EE-Rated models)**
D	122014	AR	SWITCH ASS'Y, End of stroke limit (Optional)
E	121991	1	SWITCH ASS'Y, Drive cutout limit (Optional)
1	121975	AR	• SWITCH, Drilled sealed limit **(All except E)**
2	119132	1	• KIT, 8-Pole Receptacle, **A, B**
3	119965	2"	• HEATSHRINK. Yellow, **A**
	119964	2"	• HEATSHRINK, Blue, **D**
4a	113018	1	• MARKER, Brady wire #18, **A, B**
4b	113021	1	• MARKER, Brady wire #21, **A, B**
4c	113071	1	• MARKER, Brady wire #71, **A, C**
5a	145963	1	• LABEL, LS1A **A, B**
5b	145964	1	• LABEL, LS1B **A, B**
5c	145965	1	• LABEL, LS6 **A, C**
6	103257	12"	• CABLE, 18/3 Cabtire, **B**
7	119131	1	• KIT, 4-Pole Plug, **B**
8	122010	1	• SWITCH, Drilled sealed limit, **E**
9	119130	1	• KIT, 4-Pole receptacle, **E**
10	119128	1	• KIT, 2-Pole receptacle, **C, D**
11	121869	AR	CLAMP, 2.5" Worm gear
12	118713	1	JUMPER ASS'Y, Drive cutout (Optional)
13	121867	AR	BRACKET, Limit switch
14	-	-	HARDWARE, Mounting
	103860	2	• BOLT, Hex Hd 1/4"-20 x 1.75" Gr. 5
	103858	2	• BOLT, Hex Hd 1/4"-20 x 1.25" Gr. 5
	103980	4	• NUT, Hex 1/4"-20 Gr. B
	104000	4	• WASHER, Lock 1/4"
	103995	8	• WASHER, Flat 1/4"
15	125953	1	COVER, Limit Switch
	104694	4	• WASHER, Flat #10
	104185	2	• WASHER, Lock #10
	104003	2	• NUT, Hex Machine #10
	120094	2	• BOLT, Hex Hd Machine #10-32 x 5/8"
16	121868	AR	GUARD, Limit switch
17	100967	AR	CAM, Limit switch
18	121908	AR	BUSHING, 3/4" Snap-in
19	(Ref.)	1	PIN WELDMENT, Limit switches (For components, refer to Figure 6.2-3)

Figure 6.2-8. Lift Cylinder Assembly And Mounting Hardware

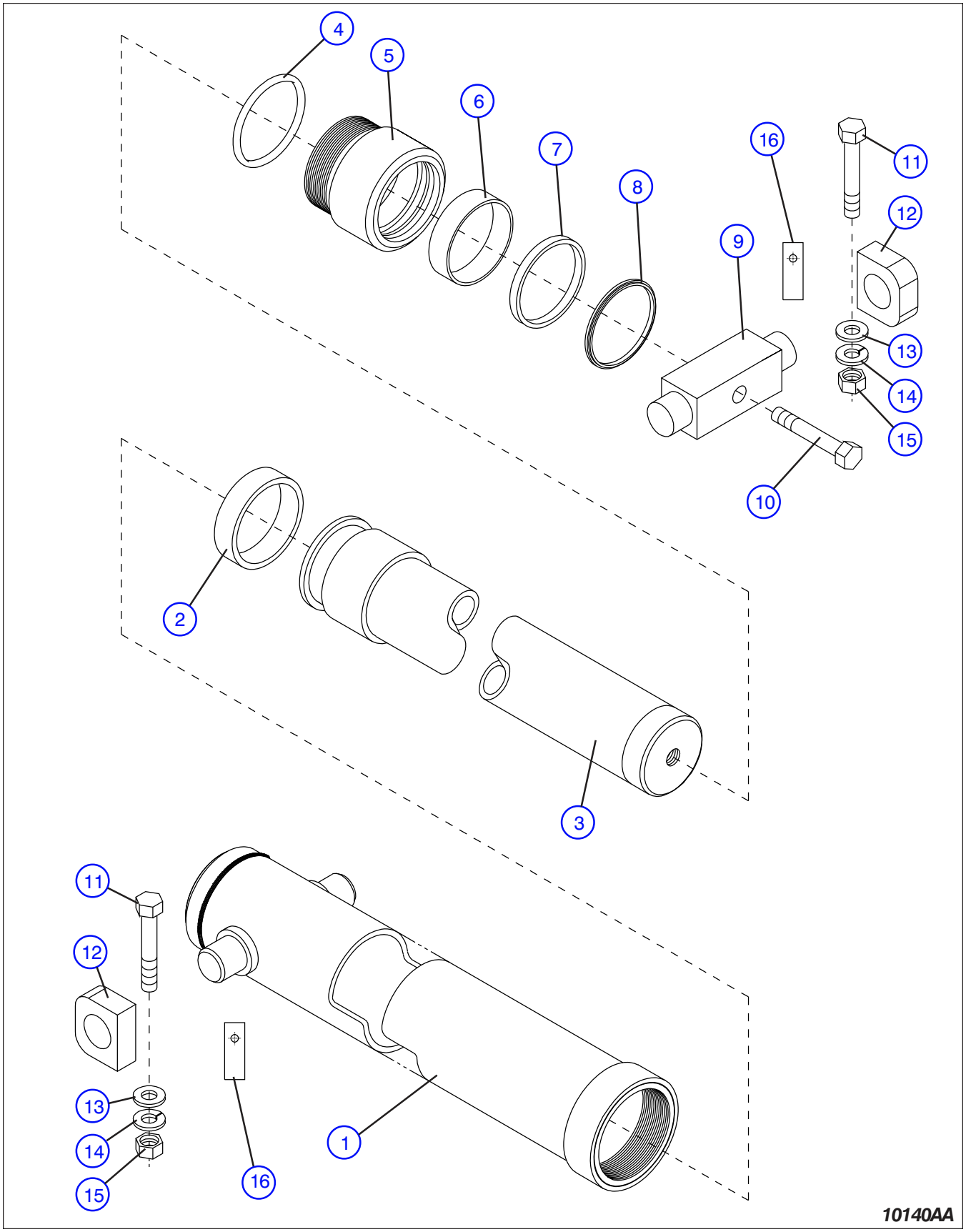
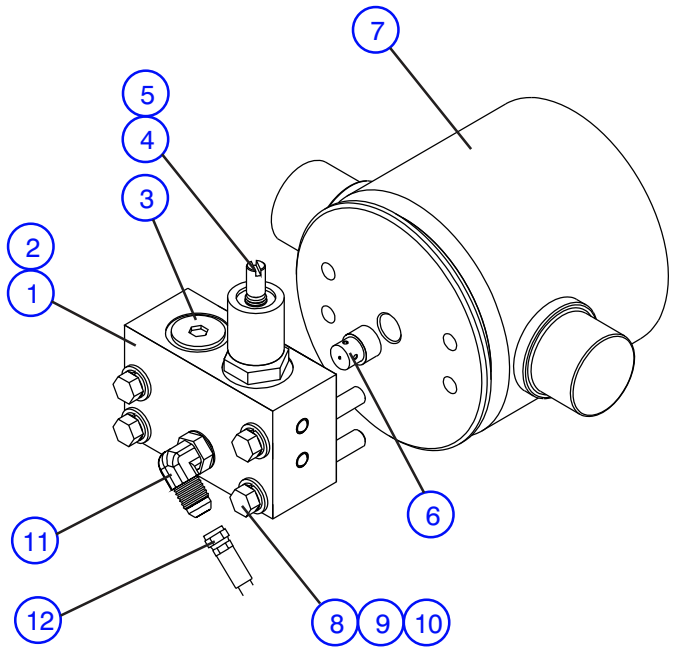


Figure 6.2-8. Lift Cylinder Assembly And Mounting Hardware **AK**

Index No.	Skyjack Part No.	Qty.	Description
A	120989	AR	CYLINDER ASSEMBLY, Lift
1	120993	1	• WELDMENT, Barrel
*2	105690	1	• RING, Piston wear
3	120991	1	• ROD, Piston
*4	120448	1	• O-RING, Gland
5	121096	1	• GLAND, Front head
*6	105689	1	• RING, Gland Wear
*7	105687	1	• SEAL, Piston rod
*8	105688	1	• WIPER, Piston rod
9	121668	AR	• TRUNNION
10	105686	1	• BOLT, 3/4”-16 x 3” Gr. 5
11	103869	AR	BOLT, Hex head 5/16”-18 x 4.5” Gr. 5 (4 per cylinder)
12	123808	AR	BEARING BLOCK ASSEMBLY (4 Per Cylinder)
	101076	AR	• BLOCK
	100904	AR	• BUSHING
13	103996	AR	WASHER, Flat 5/16” SAE (4 per cylinder)
14	103404	AR	WASHER, Lock 5/16” nom x 0.07” (4 per cylinder)
15	100397	AR	NUT, Hex head 5/16”-18 Gr. B (4 per cylinder)
16	130337	1	SHIM, Bearing block 16 GA (If equipped)
	130387	1	SHIM, Bearing block 18 GA (If equipped)
	130388	1	SHIM, Bearing block 22 GA (If equipped)
*	121097	AR	KIT, Seal repair
			* Part of Seal Repair Kit

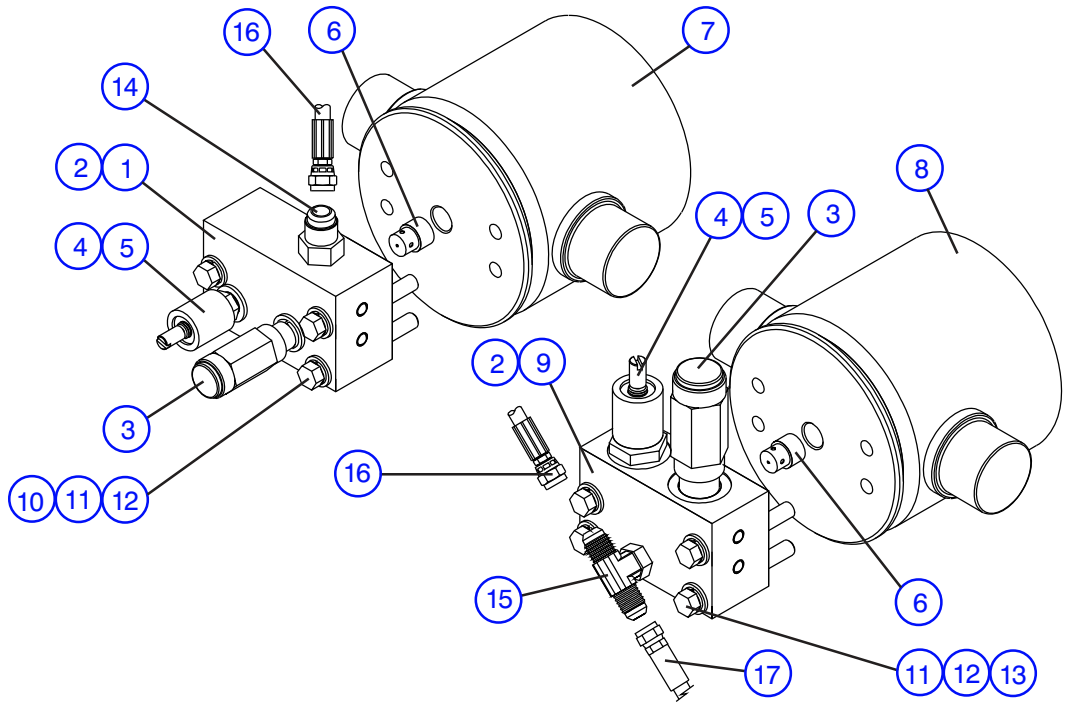
Figure 6.2-9. Holding Valve Assembly - Models 3220 & 4620 **AH**



10225AC

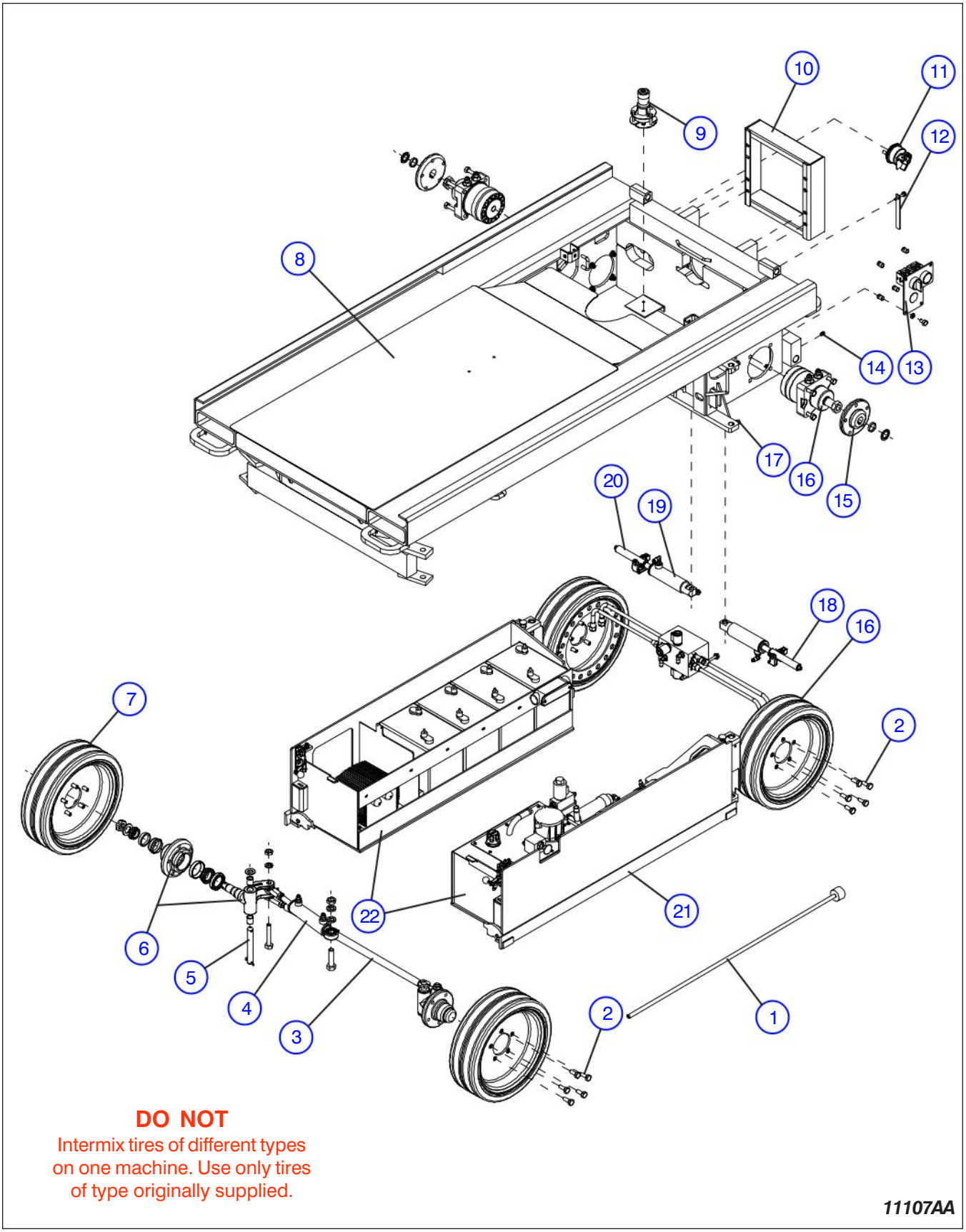
Index No.	Skyjack Part No.	Qty.	Description
1	106689	1	BLOCK ASSEMBLY, Holding Valve
	111314	1	• BLOCK, Manifold
	108052	2	• PLUG, Expander
2	103403	1	SEAL, O-Ring
3	104437	1	PLUG, Manifold
4	104493	1	COIL, 24 Volt
5	107269	1	VALVE, N.C. Holding
6	105281	1	ORIFICE, One way
7	(Ref.)	1	ASSEMBLY, Lift cylinder (For components, Refer to Figure 6.2-8)
8	103931	4	BOLT, Socket (5/16”-18 x 2” Grade 5)
9	103996	4	WASHER, Flat 5/16”
10	104637	4	WASHER, Lock-High Collar 5/16”
11	114578	1	FITTING, Elbow
12	104657	1	HOSE ASSEMBLY, Manifold to Lift Cylinder

Figure 6.2-10. Holding Valve Assembly - Models 3226, 4626 & 4632 **AH**



10226AC

Index No.	Skyjack Part No.	Qty.	Description
1	108778	1	BLOCK, Upper holding valve
	111320	1	• BLOCK, Manifold
	108052	3	• PLUG, Expander
2	103403	2	SEAL, O-Ring
3	106557	2	VALVE, Relief
4	107269	2	VALVE, N.C. Holding
5	104493	2	COIL, 24 Volt
6	105281	2	ORIFICE, One way
7	(Ref.)	1	ASSEMBLY, Lift cylinder (Upper Cylinder) (For components, refer to Figure 6.2-8)
8	(Ref.)	1	ASSEMBLY, Lift cylinder (Lower Cylinder) (For components, refer to Figure 6.2-8)
9	106688	1	BLOCK, Lower holding valve
	111316	1	• BLOCK, Manifold
	108052	2	• PLUG, Expander
10	108429	4	BOLT, Hex head 5/16” - 18 x 2.50”
11	103996	8	WASHER, Flat 5/16” S.A.E.
12	104637	8	WASHER, Lock (5/16” high collar 0.09)
13	103931	4	BOLT, Socket (5/16” - 18 x 2” Grade 5)
14	103069	1	FITTING, Straight (upper lift Cylinder)
15	114579	1	FITTING, Tee (lower lift cylinder)
16	102635	1	HOSE ASSEMBLY, Upper Lift cylinder to lower lift cylinder
17	104657	1	HOSE ASSEMBLY, Lower lift cylinder to main manifold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DO NOT
Intermix tires of different types on one machine. Use only tires of type originally supplied.
11107AA

Figure 6.3-1. Base, Axle & Wheels **AF**

Index No.	Skyjack Part No.	Qty.	Description
1	132769	1	BAR ASSEMBLY, Emergency lowering
	132477	1	• BAR, Emergency lowering access
	119920	2	• CLIP, Spring coated
	103991	2	• WASHER, Flat #8
	132768	2	• RIVET, Pop 5/32” dia. x 0.435”
	124160	2	• PIN, Locking
2	103199	20	BOLT, Wheel
3	(Ref.)	1	ROD ASSEMBLY, Tie
		-	(For components, refer to Figure 6.3-5)
4	(Ref.)	1	CYLINDER ASSEMBLY, Steer
		-	(For components, refer to Figure 6.3-6)
5	125730	2	PIN ASSEMBLY, King
	100120	1	• PIN, Axle king
	100825	1	• PIN, 1/4" x 1-3/16" lg.
	103478	1	• PIN, Cotter 1/4" x 1-1/4" lg.
	104129	1	• WASHER, Bronze
6	(Ref.)	1	HUB & SPINDLE ASSEMBLY, Front Axle
		-	(For components, refer to Figure 6.3-4)
7	125785	2	WHEEL ASSEMBLY, Front **(ITL)**
	132285	2	WHEEL ASSEMBLY, Front **(Carlisle)**
8	132473	1	WELDMENT, Base **(Model 3220 without Powered Extension)**
	132471	1	WELDMENT, Base **(Model 3226 & Model 3220 with Powered Extension)**
	130179	1	WELDMENT, Base **(Model 46XX with serial numbers 713314 and below)**
	136494	1	WELDMENT, Base **(Model 46XX with serial numbers 713315 and above)**
9	(Ref.)		TILT SWITCH
		-	(For components, refer to Figure 6.3-12)
	103855	2	• BOLT, Hex Hd 1/4”-20 x 1/2” Gr. 5
	103980	2	• NUT, Hex Hd 1/4”-20 Gr. B
	104000	2	• WASHER, Lock 1/4”
10	130192	1	LADDER, Step **(Model 3220/4620)**
	122307	1	LADDER, Step **(Model 3226/4626/4632)**
	103999	4	• WASHER, 3/8” Lock
	125959	4	• WASHER, 3/8” Flat
	103473	4	• BOLT, Hex-hd 3/8-16 x 1” lg.
11	119725	1	SWITCH, Battery
	108714	1	• KIT, Battery switch lockout
	(Ref.)	1	• LABEL, Power on/off
		-	(Refer to Figure 6.8-3)
12	115005	1	ASSEMBLY, Static Strap
	115420	1	• STRAP, Ground
	101632	1	• BOLT, Hex head 3/8” - 16 x 3/4”
	103999	1	• WASHER, Lock 3/8” NOM
	103978	1	• NUT, Hex head 3/8” - 16

DO NOT
Intermix tires of different types on one machine. Use only tires of type originally supplied.

Part list continued on the following page.

Figure 6.3-1. Base, Axle & Wheels

Index No.	Skyjack Part No.	Qty.	Description
			Part list continued on the previous page.
			DO NOT Intermix tires of different types on one machine. Use only tires of type originally supplied.
13	(Ref.)	1	BOX ASSEMBLY, Base control (CE)
		-	(For components, refer to Figure 6.3-11)
14	102027	2	FITTING, Grease
15	(Ref.)	2	HUB ASSEMBLY, Rear axle
		-	(For components, refer to Figure 6.3-3)
16	(Ref.)	2	MOTOR, Wheel drive (Equipped with Pin Brake)
			(For components, refer to Figure 6.3-3)
	(Ref.)	2	MOTOR, Wheel drive (Equipped with Motor Brake)
			(For components, refer to Figure 6.3-3)
17	141751	4	SET SCREW, Square head, cup point (3/8-16 x 3/4, Grade 5)
18	124228	1	WELDMENT, Brake pin LH
	103940	1	• BOLT, Soc-hd 1/4-20 x 1-1/4" lg.
	104000	1	• WASHER, Lock 1/4"
	103983	1	• NUT, Jam 1/4-20
19	(Ref.)	2	CYLINDER ASSEMBLY, Brake
		-	(For components, refer to Figure 6.3-7)
20	124229	1	WELDMENT, Brake pin RH
	103940	1	• BOLT, Soc-hd 1/4-20 x 1-1/4" lg.
	104000	1	• WASHER, Lock 1/4"
	103983	1	• NUT, Jam 1/4-20
21	(Ref.)	1	POTHOLE PROTECTION DEVICE ASSEMBLY
		-	(For components, refer to Figure 6.3-2)
22	(Ref.)	1	BATTERY TRAY ASSEMBLY
		-	(For components, refer to Figure 6.5-1)
	(Ref.)	1	HYDRAULIC/ELECTRIC TRAY ASSEMBLY
		-	(For components, refer to Figure 6.4-1)

Figure 6.3-2. Pothole Protection Device **AH**

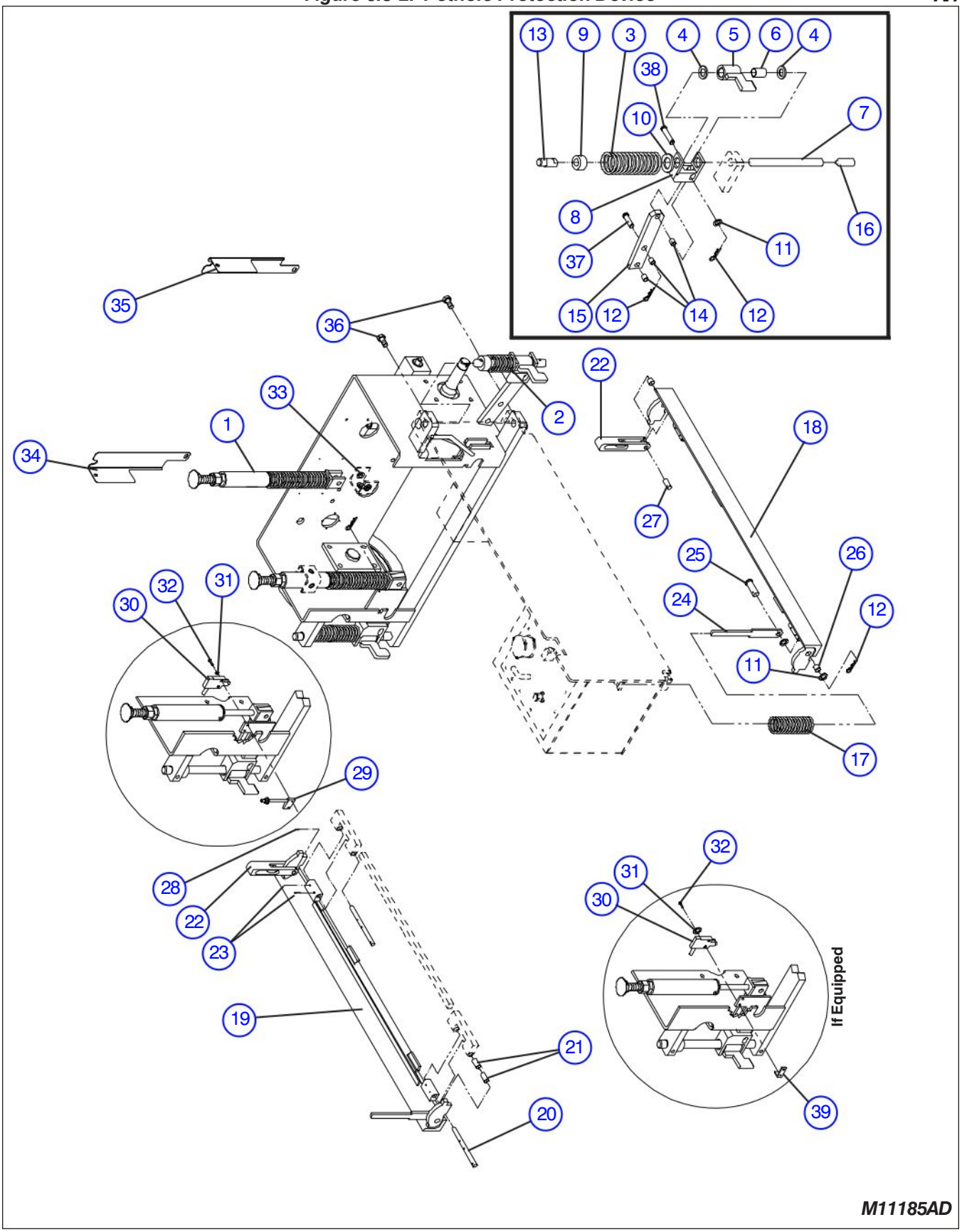

Figure 6.3-2. Pothole Protection Device **AH**

Index No.	Skyjack Part No.	Qty.	Description
1	136417	AR	COMPRESSION ROD, Assembly
2	125776	2	CAM, Lock Assembly
3	119314	2	• SPRING, Cam Lock
4	119728	4	• WASHER, Driver
5	119499	2	• LOCK, Cam
6	118778	2	• BUSHING, Cam Lock
7	118730	2	• PIN, Lever Bar Guide
8	118718	2	• DRIVER, Lock
	119843	2	• PIN, Spring 3/32 x 1-3/8
9	118729	2	• PIN, Locator
10	139698	1	• WASHER, 3/4” Flat
11	119313	8	WASHER, Flat 7/16
12	119325	8	PIN, Clotter Clip
13	100446	2	PIN, Eccentric
14	119312	6	BUSHING, 7/16 x 1/2
15	118724	2	BAR, Lever
16	118983	2	PIN, Lower Tray
17	119321	2	SPRING, Kicker
18	126709	1	WELDMENT, Hydraulic Tray Angle
19	126710	1	WELDMENT, Battery Tray Angle
20	119339	4	PIN, Angle
21	119316	16	BUSHING, 3/8 x 5/8
22	119029	2	LOCK, Tray Cam
23	119319	8	PIN, Spring 3/32 x 5/8
24	119322	2	PLATE, Kicker
25	118689	2	PIN, Kicker Clevis
26	119318	4	BUSHING, 7/16 x 3/8
27	118690	2	PIN, Lock
28	119315	2	PIN, Spring 3/32 x 7/8

Parts list continued on the following page.

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
29	129430	2	MOUNT, Limit Switch
	103983	4	• NUT, Hex Jam 1/4”
	103995	4	• WASHER, Flat 1/4”
30	(Ref.)	1	SWITCH ASSEMBLY, Pothole device limit - **Model 32xx (ANSI/CSA & CE) & Model 46xx (ANSI/CSA)**
	125887	1	• SWITCH, Limit pothole battery tray
	125885	1	• SWITCH, Limit pothole hydraulic tray
	(Ref.)	1	SWITCH ASSEMBLY, Pothole device limit - **Model 46xx (CE)**
	133600	1	• SWITCH, Limit pothole hydraulic tray
	133601	1	• SWITCH, Limit pothole battery tray
	(Ref.)	1	SWITCH ASSEMBLY, Pothole device limit - **All EE Rated Models**
	126051	1	• SWITCH, Limit pothole battery tray
	126060	1	• SWITCH, Limit pothole hydraulic tray
31	104185	4	WASHER, Lock #10
32	112248	4	BOLT, Machine #8-32 x 1” lg.
33	103550	6	PLUG, Slider
34	130049	1	FLAP WELDMENT, Hydraulic Tray
35	130047	1	FLAP WELDMENT, Battery Tray
36	(Ref.)	-	HARDWARE, Flap weldment retaining
	104000	4	• WASHER, 1/4” Lock
	103995	4	• WASHER, 1/4” Flat
	103855	4	• BOLT, Hex-hd 1/4”-20 x 1/2” lg.
37	130209	4	PIN, Lever
38	132530	2	PIN, Tray spring guide
39	118992	2	MOUNT, Limit switch
	112248	4	BOLT, Machine #8 - 32 x 1” lg.
	104185	4	WASHER, Lock #10 NOM

32XX Serial Number Breakdown Reference Chart				
32XX Type			Brake	
Serial No.	ANSI/CSA	CE	Pin	Disc
All Serial No.	✓	✓	✓	

M60433_1AC

46XX Serial Number Breakdown Reference Chart				
46XX Type			Brake	
Serial No.	ANSI/CSA	CE	Pin	Disc
712974 and Below	✓	✓	✓	
712975	✓		✓	
713092 to 713198	✓		✓	
713222 to 713229		✓	✓	
713230 to 713241	✓		✓	
713242 to 713275		✓	✓	
713276 to 713278	✓		✓	
713279 to 713298		✓	✓	
713299 to 713316	✓		✓	
713317 to 713318		✓	✓	
713319 to 713364	✓		✓	
713365 to 713370		✓	✓	
713372 to 713398	✓		✓	
713399 to 713403		✓	✓	
713404	✓		✓	
713405 to 713409		✓	✓	
713410 to 713436	✓		✓	
713437 to 713441		✓		✓
713442		✓	✓	
713443 to 713452		✓		✓
713453 to 713456	✓		✓	
713457 to 713466		✓		✓
713467 to 713477	✓		✓	
713478 to 713487		✓		✓
713488 to 713520	✓		✓	
713521 to 713524		✓		✓
713525	✓		✓	
713526 to 713552		✓		✓
713553 to 713574	✓		✓	
713575 to 713584		✓		✓
713585 to 713593	✓		✓	
713594 to 713604		✓		✓
713605 to 714011	✓		✓	
714012 to 714051	✓			✓
714052 to 714085	✓		✓	
714086 to 714125		✓		✓
714126 to 714137	✓		✓	
714138 to 714140		✓		✓
714141 to 714165	✓		✓	
714166 to 714303		✓		✓
714304 to 714406	✓		✓	
714407 to 714426	✓			✓
714427 to 714492	✓		✓	
714493 to 714660	✓			✓
714661 and Above	✓	✓		✓

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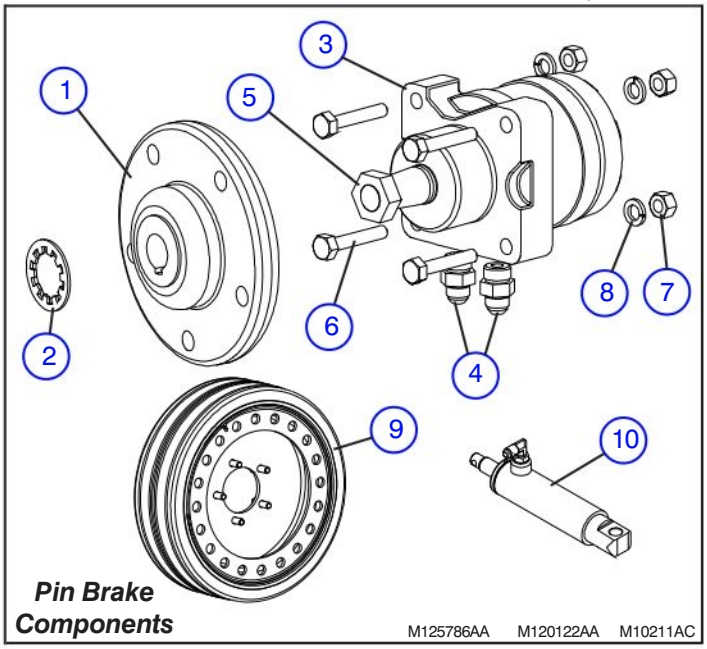
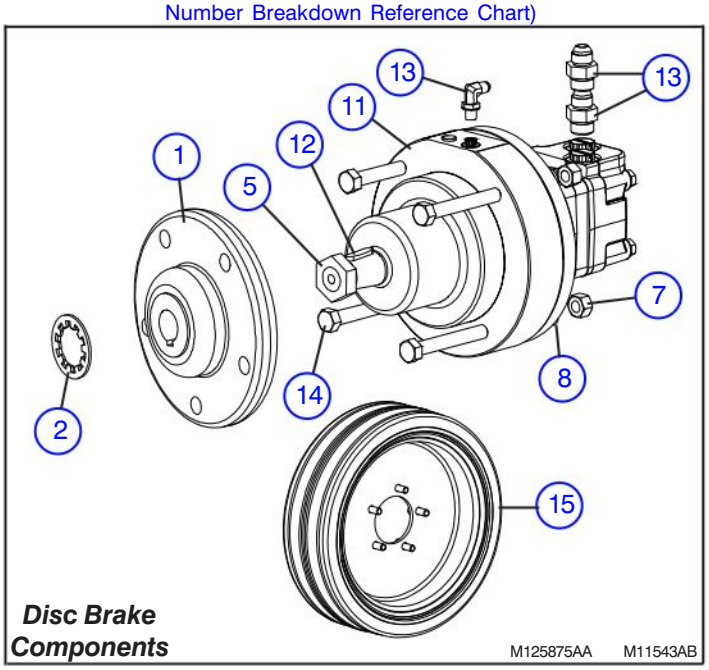
NOTE: PIN BRAKE use on 32XX and 46XX Machines (Refer to Serial Number Breakdown Reference Charts)



Pin Brake Components

M125786AA M120122AA M10211AC

NOTE: DISC BRAKE use on 46XX Machines (Refer to Serial Number Breakdown Reference Chart)



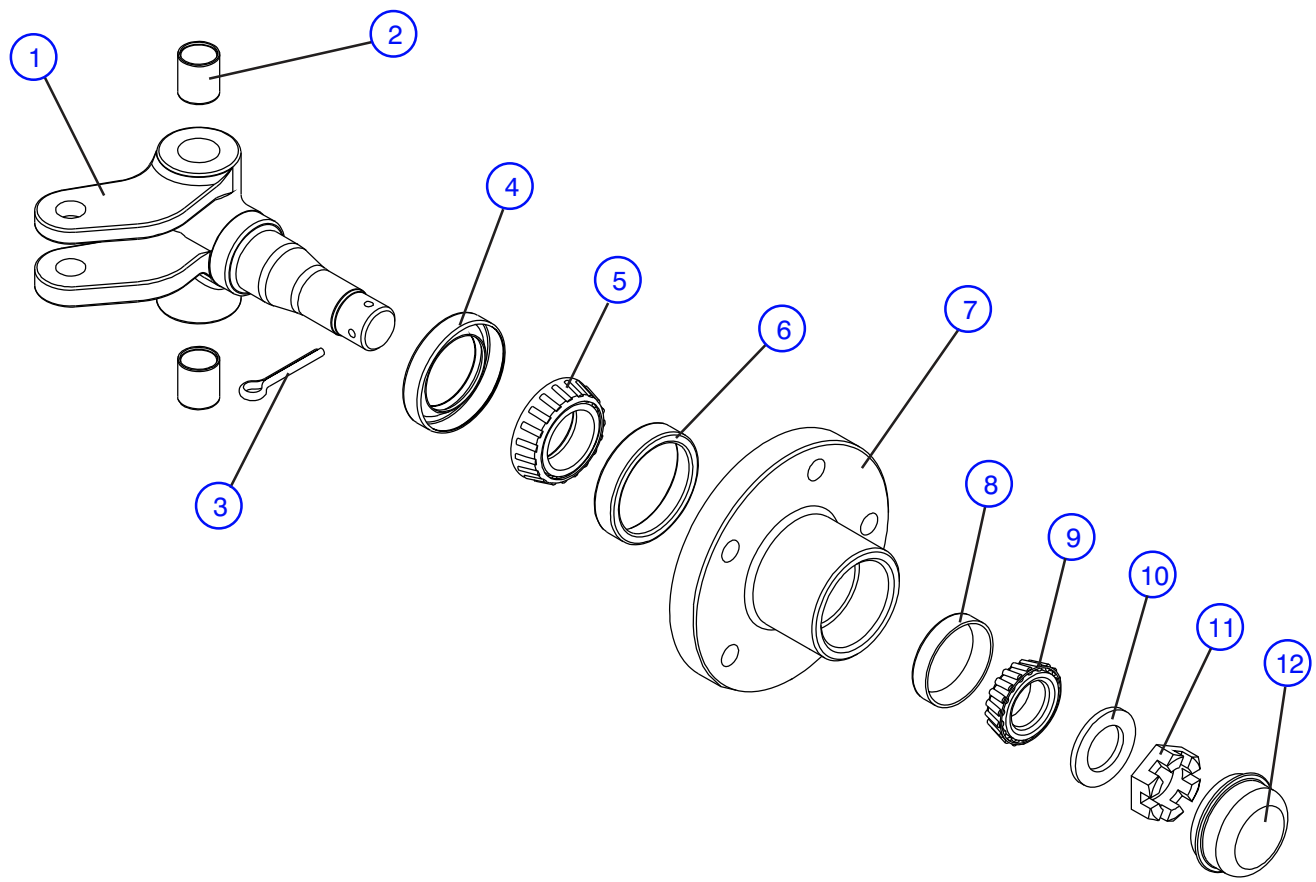
Disc Brake Components

M125875AA M11543AB

Figure 6.3-3. Brake Reference

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	• Base, Axles, and Wheels (For components, refer to Figure 6.3-1)
1	125795	1	REAR HUB ASSEMBLY
	107912	1	• HUB, Rear 1-1/4” Shaft
2	103789	1	WASHER, Lock toothed 1”
3	103129	1	MOTOR, Hydraulic Wheel Drive
	104212	1	• KIT, Seal
4	(Ref.)	-	FITTINGS, Hydraulic (Pin Brake) (For components, refer to Figure 6.3-9)
5	106451	1	NUT, Hex jam 1” - 20
6	108818	4	BOLT, Hex head 1/2” - 13 x 2-3/4”
7	103471	4	NUT, Hex head 1/2” - 13
8	103470	4	WASHER, Lock 1/2”
9	125786	2	WHEEL ASSEMBLY, Rear (ITL)
	132284	2	WHEEL ASSEMBLY, Rear (Carlisle)
10	(Ref.)	-	• BRAKE CYLINDER ASSEMBLY (For components, refer to Figure 6.3-7)
11	134573	1	MOTOR, Wheel (with internal Disc Brake)
	139735	1	• KIT, Seal
12	137462	1	KEY
13	(Ref.)	-	FITTINGS, Hydraulic (Disc Brake) (For components, refer to Figure 6.3-10)
14	125525	4	BOLT, Hex head 1/2” - 13 x 3-1/2”
15	125785	2	WHEEL ASSEMBLY, Rear (ITL)
	132285	2	WHEEL ASSEMBLY, Rear (Carlisle)

Figure 6.3-4. Front Hub & Spindle Assembly



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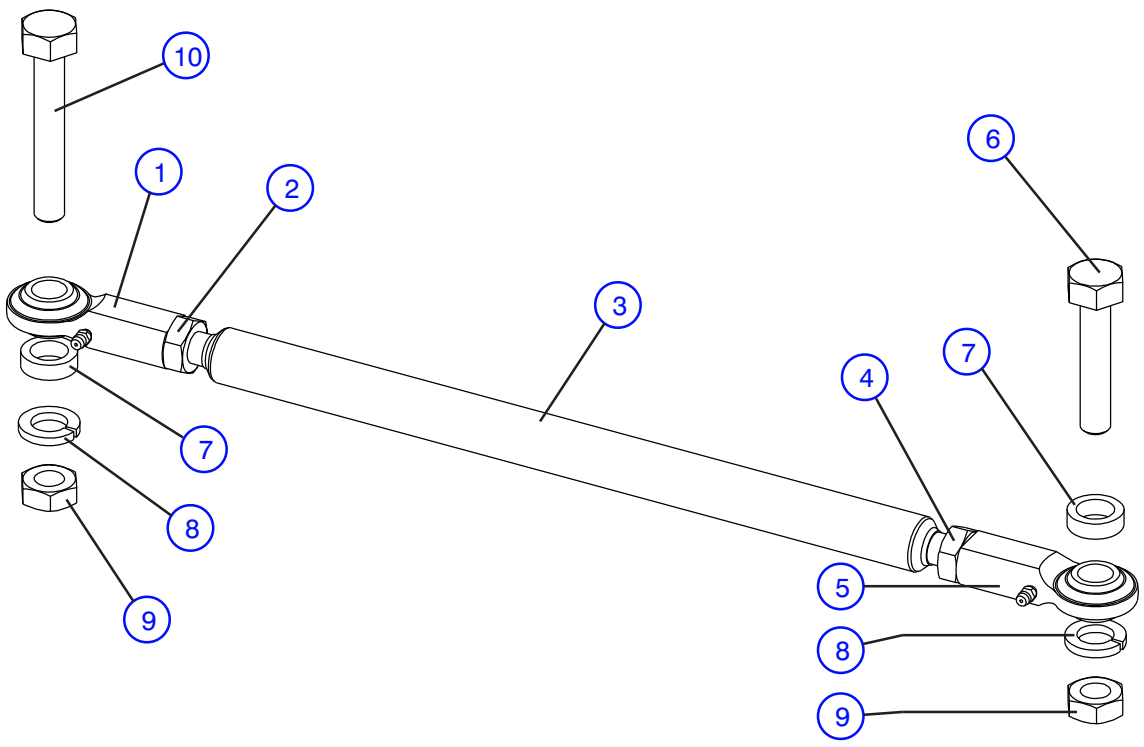
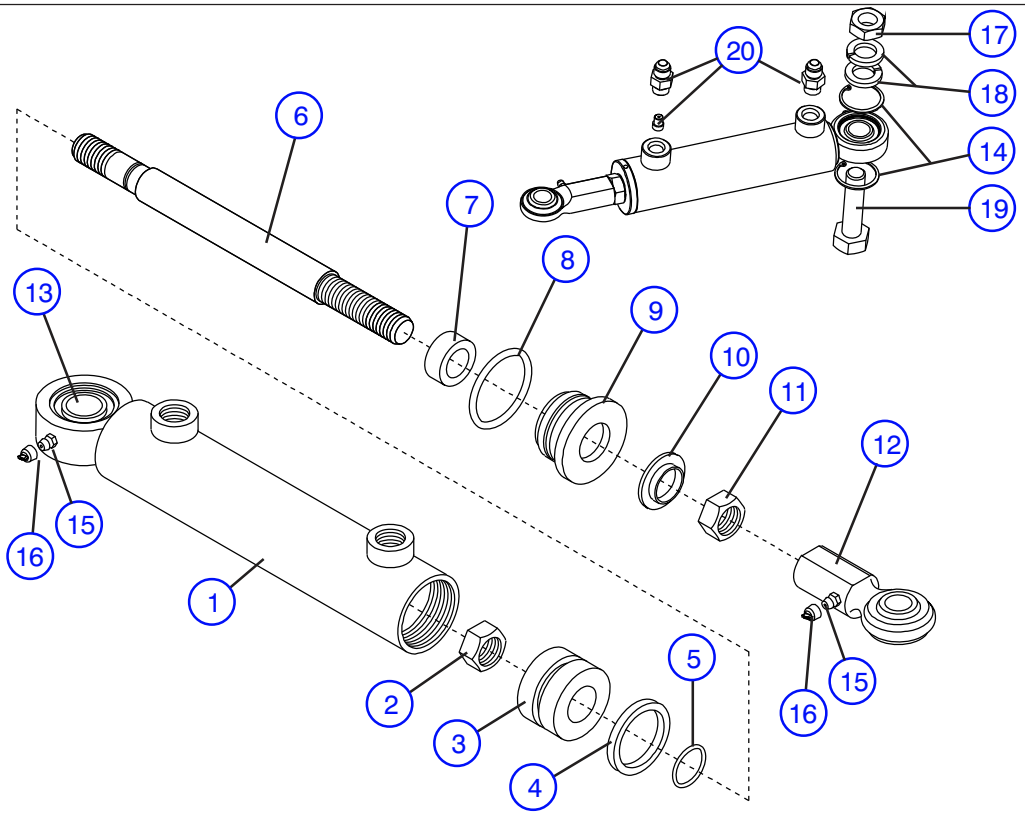
Index No.	Skyjack Part No.	Qty.	Description
A	125792	-	FRONT HUB & SPINDLE ASSEMBLY
1	125806	1	• Spindle, Casting
2	100050	2	• BUSHING, Fiberglide
(Ref.)	107909	1	• FRONT HUB ASSEMBLY
3	103085	1	• • PIN, Cotter
4	103144	1	• • SEAL, Grease
5	103009	1	• • BEARING, Inner cone
6	102978	1	• • BEARING, Inner cup
7	102833	1	• • HUB, Front 5 bolt
8	102977	1	• • BEARING, Outer cup
9	103003	1	• • BEARING, Outer cone
10	102829	1	• • WASHER, Flat
11	102749	1	• • NUT, Castle 1” - 14
12	102865	1	• • CAP, Dust

Figure 6.3-5. Tie Rod Assembly



10212AA

Index No.	Skyjack Part No.	Qty.	Description
A	125728	1	TIE ROD ASSEMBLY **(Model 32XX)**
B	130183	1	TIE ROD ASSEMBLY **(Model 46XX)**
-	125472	1	• ROD, Tie, **A**
	130182	1	• ROD, Tie, **B**
1	115281	1	• • END, Female (LH Thread)
2	100855	1	• • NUT, Hex head Jam 5/8” - 18 (LH)
3	125469	1	• • BAR, Tie rod, **A**
	130181	1	• • BAR, Tie rod, **B**
4	100846	1	• • NUT, Hex head Jam 5/8” - 18 (RH)
5	100847	1	• • END, Female (RH Thread)
6	125747	1	• BOLT, Hex head 5/8” - 11 x 2 3/4”
7	100856	2	• SPACER
8	103998	2	• WASHER, Lock 5/8”
9	103982	2	• NUT, Hex head 5/8” - 11
10	107797	1	• BOLT, Hex head 5/8” - 11 x 3 1/2”

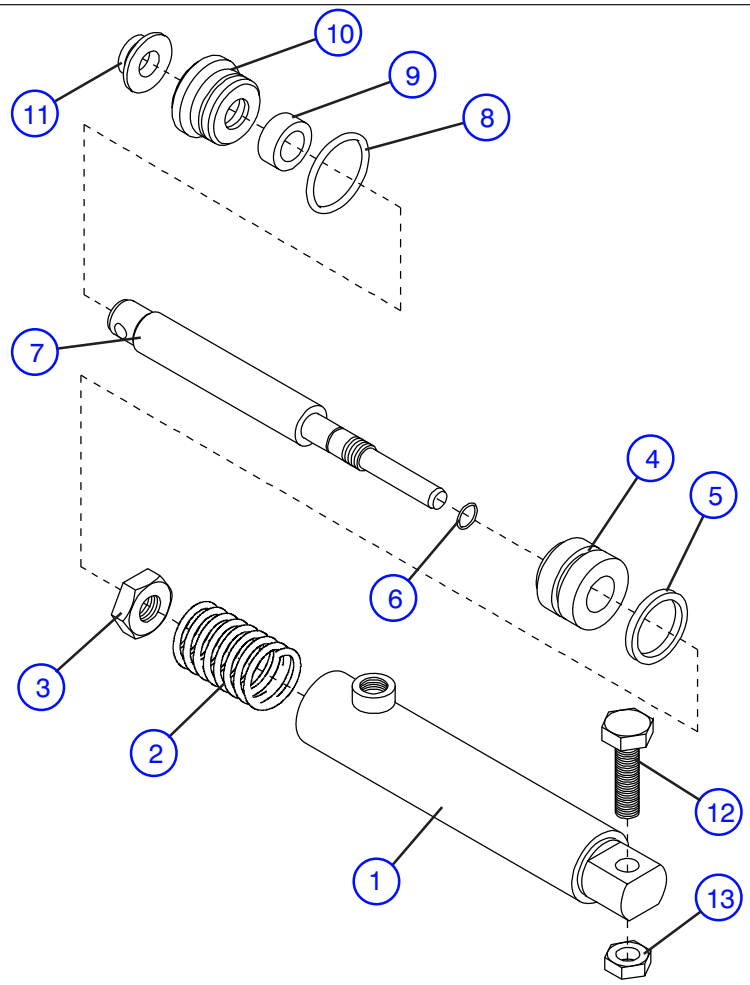


10209AD

Index No.	Skyjack Part No.	Qty.	Description
A	120236	-	CYLINDER ASSEMBLY, Steer
1	120235	1	• BARREL, Steer cylinder
2	103830	1	• NUT, Lock 5/8”-11 Gr. C
3	118844	1	• PISTON
*4	103825	1	• SEAL, Piston
*5	110976	1	• O-RING, Rod
6	117047	1	• ROD, Piston
*7	103826	1	• SEAL, Rod
*8	120436	1	• O-RING, Gland
9	120148	1	• GLAND, Cylinder
*10	103827	1	• WIPER, Rod
11	100846	1	• NUT, Jam 5/8”-18
12	100847	1	• END, Cylinder rod
13	102025	1	• BEARING, Spherical
14	104114	2	• RING, Retaining
15	103513	1	• FITTING, Grease
16	132565	2	• CAP, Grease fitting
17	100252	1	NUT, Hex head Jam 3/4” - 10
18	104002	2	WASHER, Lock 3/4”
19	119310	1	BOLT, Hex head 3/4” - 10 X 2 3/4”
20	(Ref.)	-	FITTINGS, Hydraulic (For components, refer to Figure 6.3-9 or Figure 6.3-10)
*	105816	AR	KIT, Seal repair * Part of Seal Repair Kit

Figure 6.3-7. Brake Cylinder Assembly

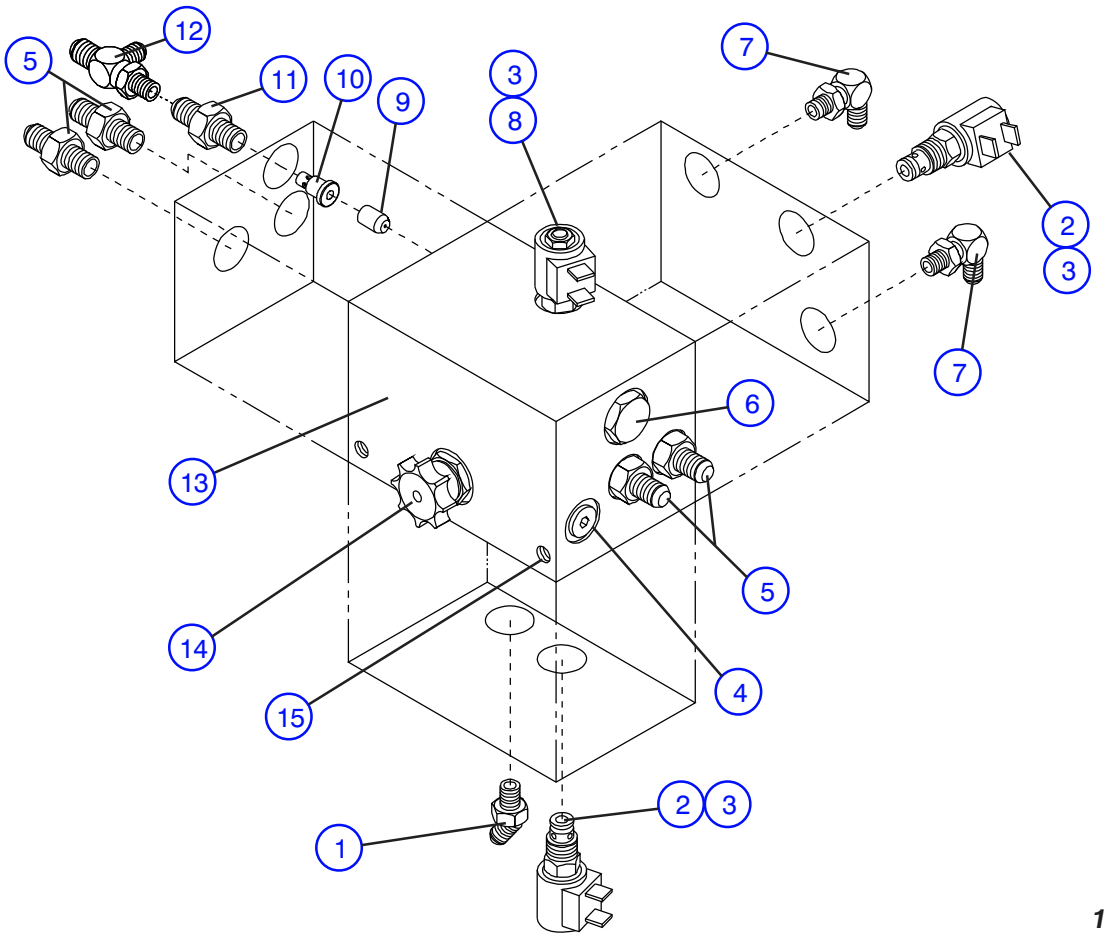
NOTE: PIN BRAKE use on 32XX and 46XX Machines (Refer to Serial Number Breakdown Reference Charts - Figure 6.3-3)



11186AA

Index No.	Skyjack Part No.	Qty.	Description
			Machines Equipped with Pin Brake (Refer to Figure 6.3-3)
A	120220	-	CYLINDER ASSEMBLY, Brake
1	120153	1	• BARREL, Brake cylinder
2	102844	1	• SPRING, Brake return
3	103830	1	• NUT, Lock 5/8”-11 Gr. C
4	121178	1	• PISTON
*5	111295	1	• SEAL, Piston
*6	110976	1	• O-RING, Rod
7	120154	1	• ROD, Brake
*8	120436	1	• O-RING, Gland
*9	103826	1	• SEAL, Rod
10	120148	1	• GLAND
*11	103827	1	• WIPER, Rod
12	103897	1	BOLT, Hex head 5/8” - 11 x 2”
13	103982	1	NUT, Hex head 5/8” - 11
*	105816	AR	KIT, Seal repair
			* Part of Seal Repair Kit

Figure 6.3-8. Rear Drive Manifold Assembly



11542AA

Index No.	Skyjack Part No.	Qty.	Description
A	108301	-	MANIFOLD ASSEMBLY, Rear drive
B	136531	-	MANIFOLD ASSEMBLY, Rear drive (46XX Equipped with Disc Brake) (Refer to Figure 6.3-3 Brake Reference)
1	114580	1	• FITTING, Elbow 45° #6 orb - #6
2	103623	2	• VALVE, N.O. (speed)
3	103605	3	• COIL, 24 Volt
4	104437	1	• PLUG, O-Ring manifold
5	104402	4	• FITTING, Adapter #10 orb - #8
6	103354	1	• VALVE, Flow divider/combiner
7	114578	2	• FITTING, Elbow 90° #6 orb - #6
8	104132	1	• VALVE, N.C. (differential)
9	104434	1	• ORIFICE, 0.040” Diameter
10	137127	1	• ORIFICE, 0.020” Diameter One Way B
11	139223	1	• FITTING, Straight Connector -#6 SAE -#4 JIC B
12	114581	1	• FITTING, Tee #6 orb - #6 - #6 A
13	108195	1	• BLOCK, Manifold
	108052	8	• • PLUG, Expander
14	103136	1	• VALVE, Free-wheeling
15	103874	2	BOLT, Hex head 3/8” - 16 x 2-3/4” lg.
	126028	2	SPACER, Tube **(Model 3220 only)**
	103999	2	WASHER, Lock 3/8”
	103472	2	WASHER, Flat 3/8” S.A.E.

Figure 6.3-9. Hydraulic Hose Connections (Pin Brake)
32XX and 46XX Machines (For Serial No. Breakdown Refer to Figure 6.3-3)

AH

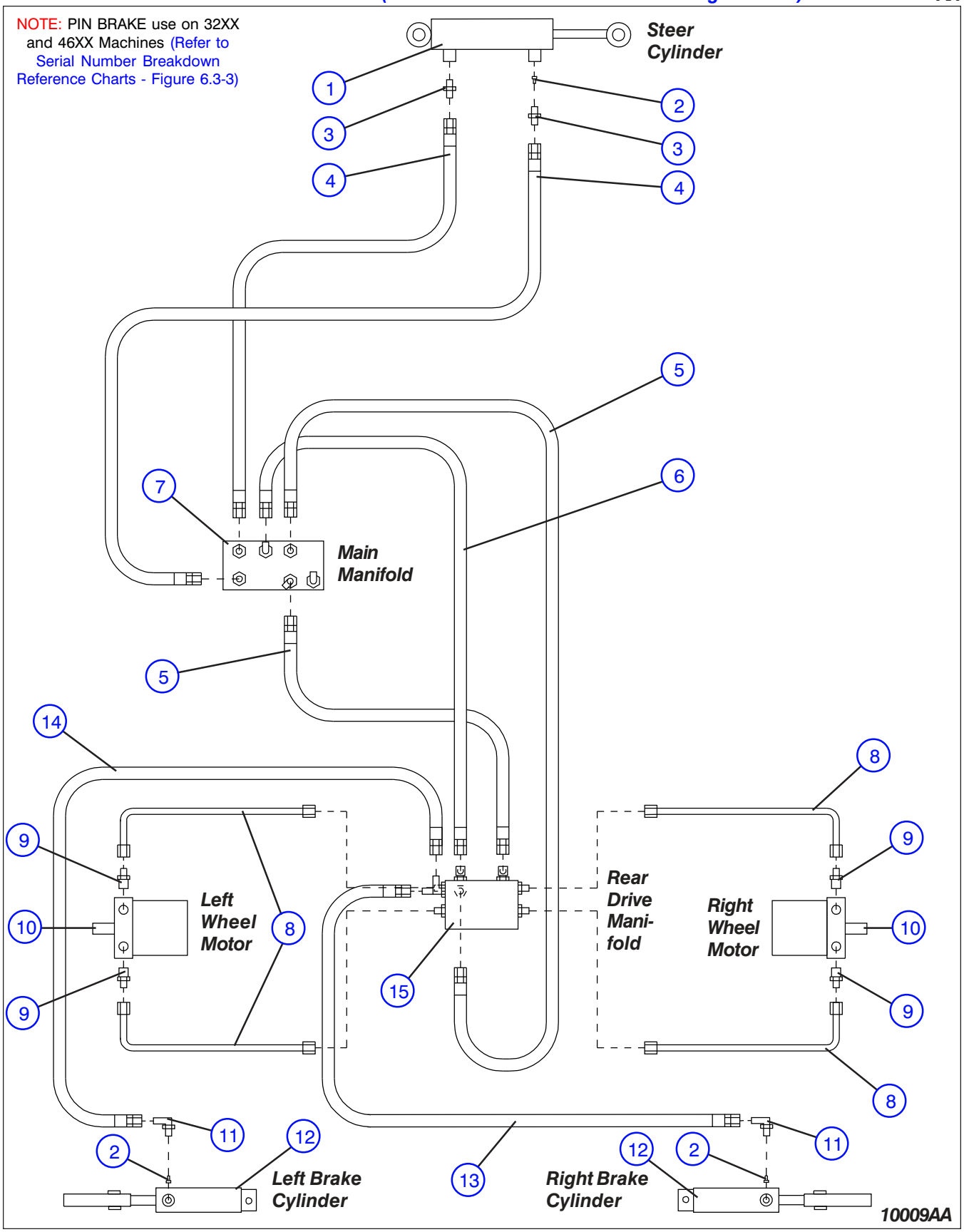


Figure 6.3-9. Hydraulic Hose Connections (Pin Brake)
32XX and 46XX Machines (For Serial No. Breakdown Refer to Figure 6.3-3) **AH**

Index No.	Skyjack Part No.	Qty.	Description
			Machines Equipped with Pin Brake
			(Refer to Figure 6.3-3)
1	(Ref.)	-	CYLINDER ASSEMBLY, Steer
		-	(For components, refer to Figure 6.3-6)
2	105811	3	ORIFICE, .040 Diameter
3	103069	2	FITTING, Connector #6 orb - #6
4	119833	2	HOSE ASSEMBLY, Steer
5	102611	2	HOSE ASSEMBLY, Drive **(Model 32XX)**
	104656	2	HOSE ASSEMBLY, Drive **(Model 46XX)**
6	104487	1	HOSE ASSEMBLY, Brake supply **(Model 32XX)**
	104659	1	HOSE ASSEMBLY, Brake supply **(Model 46XX)**
7	(Ref.)	1	MANIFOLD ASSEMBLY, Main
		-	(For components, refer to Figure 6.4-4)
8	125497	4	TUBE ASSEMBLY, Drive motor **(Model 32XX)**
	130248	4	TUBE ASSEMBLY, Drive motor **(Model 46XX)**
9	103071	4	FITTING, Adapter #10 orb - #8
10	(Ref.)	2	MOTOR, Hydraulic drive
			(For components, refer to Figure 6.3-3)
11	114578	2	FITTING, Elbow 90° #6 orb - #6
12	(Ref.)	1	CYLINDER ASSEMBLY, Brake
		-	(For components, refer to Figure 6.3-7)
13	102540	1	HOSE ASSEMBLY, Brake RH
	119451	1	HOSE ASSEMBLY, Brake RH **(Model 46XX)**
14	126015	1	HOSE ASSEMBLY, Brake LH
15	(Ref.)	1	MANIFOLD ASSEMBLY, Rear drive
		-	(For components, refer to Figure 6.3-8)

Figure 6.3-10. Hydraulic Hose Connections (Disc Brake)
46XX Machines (For Serial No. Breakdown Refer to Figure 6.3-3) **AH**

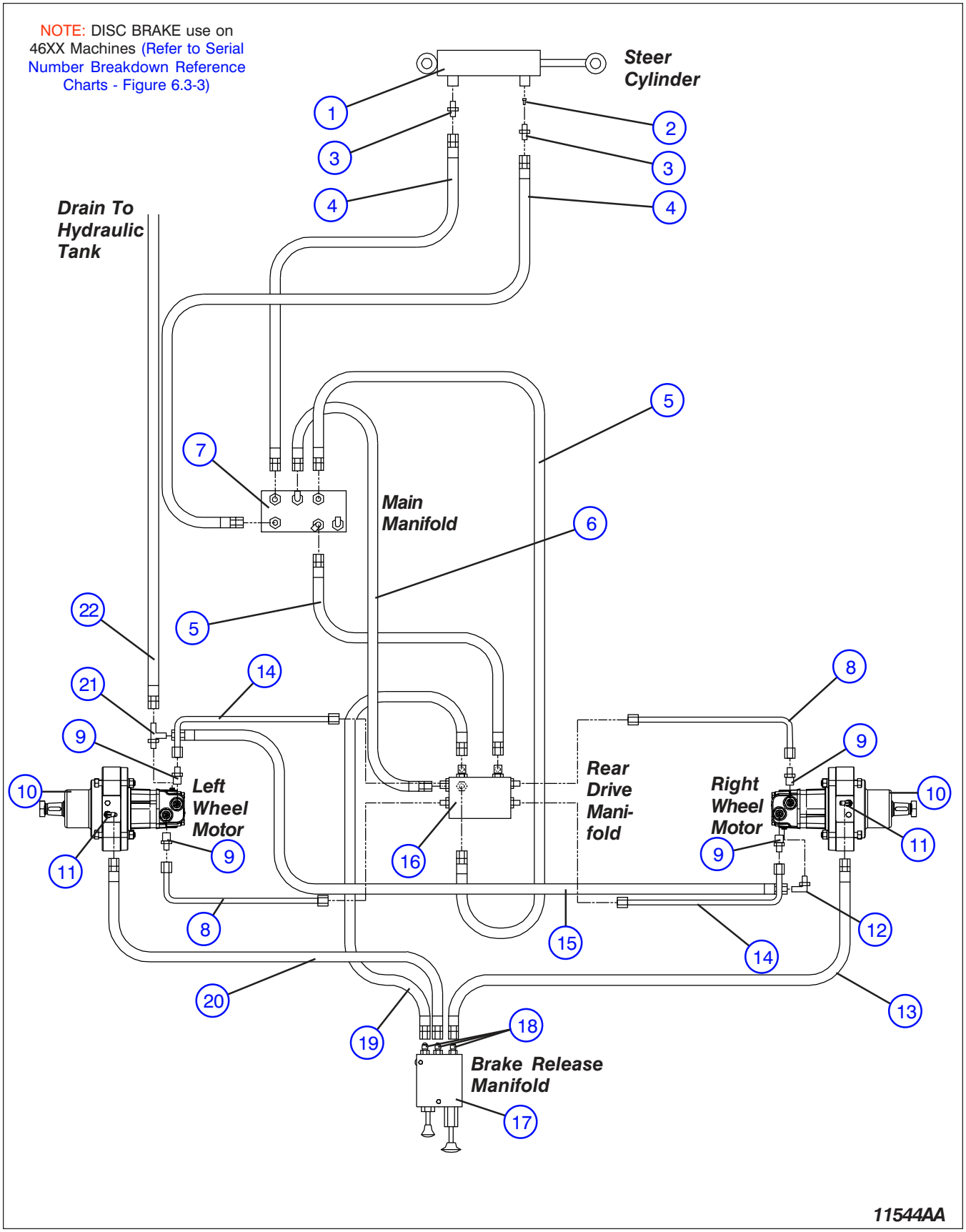
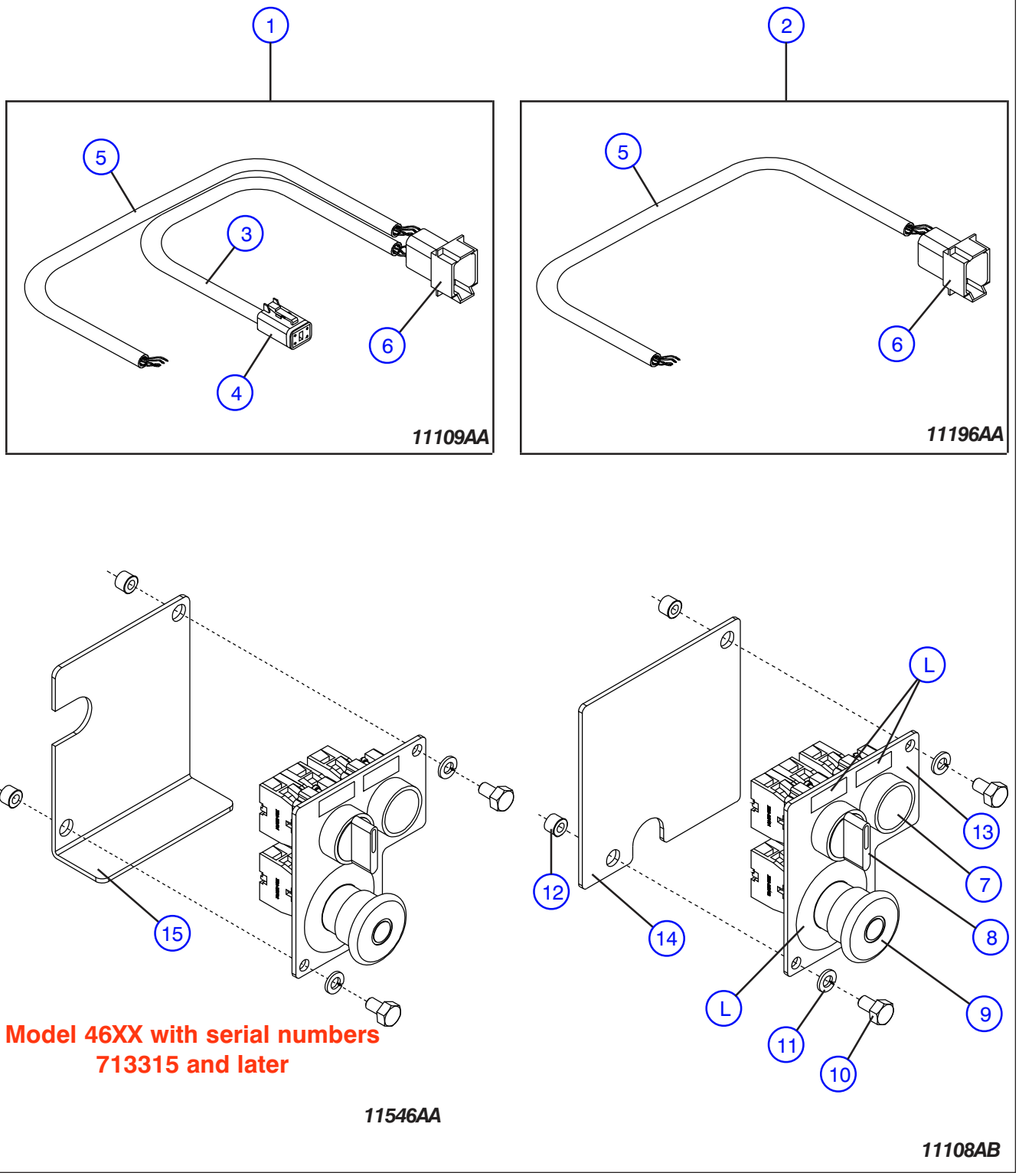


Figure 6.3-10. Hydraulic Hose Connections (Disc Brake)
46XX Machines (For Serial No. Breakdown Refer to Figure 6.3-3) **AH**

Index No.	Skyjack Part No.	Qty.	Description
			Machines Equipped with Disc Brake
			(Refer to Figure 6.3-3)
1	(Ref.)	-	CYLINDER ASSEMBLY, Steer
		-	(For components, refer to Figure 6.3-6)
2	105811	1	ORIFICE, .040 Diameter
3	103069	2	FITTING, Connector #6 orb - #6
4	119833	2	HOSE ASSEMBLY, Steer
5	104656	2	HOSE ASSEMBLY, Drive
6	137175	1	HOSE ASSEMBLY, Brake supply
7	(Ref.)	1	MANIFOLD ASSEMBLY, Main
		-	(For components, refer to Figure 6.4-4)
8	136569	2	HOSE ASSEMBLY, Wheel Motor
9	103071	4	FITTING, Adapter #10 orb - #8
10	(Ref.)	2	MOTOR, Wheel, With Disc Brake
			(For components, refer to Figure 6.3-3)
11	125883	1	FITTING, 90° Elbow 04MJ04MB
12	113348	1	FITTING, 90° Elbow #515-6-4
13	136573	1	HOSE ASSEMBLY, Right Brake
14	136568	2	HOSE ASSEMBLY, Wheel Motor
15	136576	1	HOSE ASSEMBLY, Right Motor Drain
16	(Ref.)	1	MANIFOLD ASSEMBLY, Rear drive
		-	(For components, refer to Figure 6.3-8)
17	136540	1	MANIFOLD, Brake Release
	125741	2	• BOLT, Hex Head 3/8”-16 x 7/8” gr8
	101632	2	• BOLT, Hex Head 3/8”-18 x 3/4” gr5
	103472	2	• WASHER, Flat 3/8”
	103999	2	• WASHER, Lock 3/8”
18	126128	3	FITTING, Hydraulic
19	136572	1	HOSE ASSEMBLY, Brake Release Manifold
20	136574	1	HOSE ASSEMBLY, Left Brake
21	121602	1	FITTING, Tee #6804 -06-04-06
22	138133	1	HOSE ASSEMBLY, Main Case Drain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11109AA
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11196AA
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Model 46XX with serial numbers
713315 and later
11546AA
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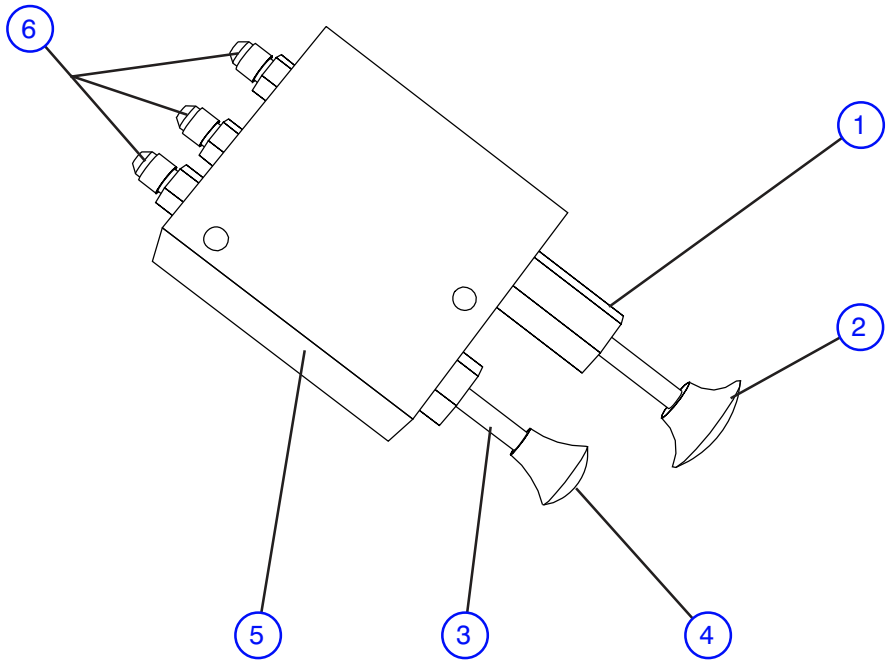
Figure 6.3-11. Base Control Box Option **AF**

Index No.	Skyjack Part No.	Qty.	Description
A	131956	-	BOX ASS'Y, Base control **(ANSI/CSA)**
B	130863	-	BOX ASS'Y, Base control **(CE)**
C	136535	-	BOX ASS'Y, Base control **(46XX with serial numbers 713315 and above)**
1	132174	1	• HARNESS, Switches to Electrical Panel, **A**
2	132207	1	• HARNESS, Switches to Electrical Panel, **B**
3	103257	12"	• • CORD, 18/3, **A**
4	119131	1	• • KIT-4 POLE, Deutsch plug, **A**
5	103255	20.3"	• • CORD, Cabtire 18/4, **A**
	103260	20.3"	• • CORD, Cabtire 18/5, **B**
6	119132	1	• • KIT-8 POLE, Deutsch plug
7	(Ref)	-	• • ASSEMBLY, Enable Switch
	108854	1	• • • HEAD, Push Button Switch
	103100	1	• • • BASE, Contact
	103141	1	• • • SWITCH, Single Normally Open
	103225	1	• • • SWITCH, Single Normally Closed, **A**
8	(Ref)	-	• • ASSEMBLY, Up/Down Switch
	102837	1	• • • HEAD, Selector Switch
	103100	1	• • • BASE, Contact
	103141	2	• • • SWITCH, Single Normally Open
9	(Ref.)	-	• ASSEMBLY, Emergency Switch, **B**
	102769	1	• • HEAD, Emergency Stop Switch
	103281	1	• • CONTACT, Single Normally Close
	103100	1	• • BASE, Contact Block
	103225	1	• • 1-CONTACT BLOCK, N.C.
	102956	1	• PLUG, Snap in 7/8", **A**
10	127284	2	• BOLT, Hex Hd 1/4-20 x 2.5" Gr. 5
11	104000	2	• WASHER, Lock 1/4"
12	131954	2	• INSERT, Threaded 1/4"-20
13	130862	1	• PLATE, Front Base Control Mount
14	132701	1	• PLATE, Rear Cover **A, B**
15	134766	1	• PLATE, Rear Cover **C**
L	(Ref.)	1	• LABELS
		-	(Refer to Figure 6.8-3)



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Index No.	Skyjack Part No.	Qty.	Description
-	136540	-	BRAKE RELEASE MANIFOLD ASSEMBLY
1	146559	1	• PUMP ASSEMBLY
2	146560	1	• • HANDLE, Pump
3	146561	1	• VALVE ASSEMBLY
4	146562	1	• • HANDLE, Valve
5	146563	1	• BLOCK, Brake manifold
6	701954	3	• FITTING, Straight (4 JIC)
-	146564	1	KIT, Seal

Figure 6.3-13. Tilt Usage Chart

Model	ANSI Models			CE Models			AS Models		
	Serial Numbers	Tilt switch (X Axis° x Y Axis°)		Serial Numbers	Tilt switch (X Axis° x Y Axis°)		Serial Numbers	Tilt switch (X Axis° x Y Axis°)	
		124138 (1.5° x 3.5°)	117880 (2.5° x 4.5°)		124138 (1.5° x 3.5°)	117880 (2.5° x 4.5°)		124138 (1.5° x 3.5°)	118058 (1° x 2°)
3220	From 610500 to present	X		From 611631 to 615052	X		From 610500 to present	X	
3226	From 27013 to present	X		From 27013 to 270981	X		From 27013 to present		X
4620	From 710000 present		X	From 66703 to 66871		X	From 710000 present	X	
4626			X	From 706569 to 709312	X			X	
4632			X	Not Applicable					X

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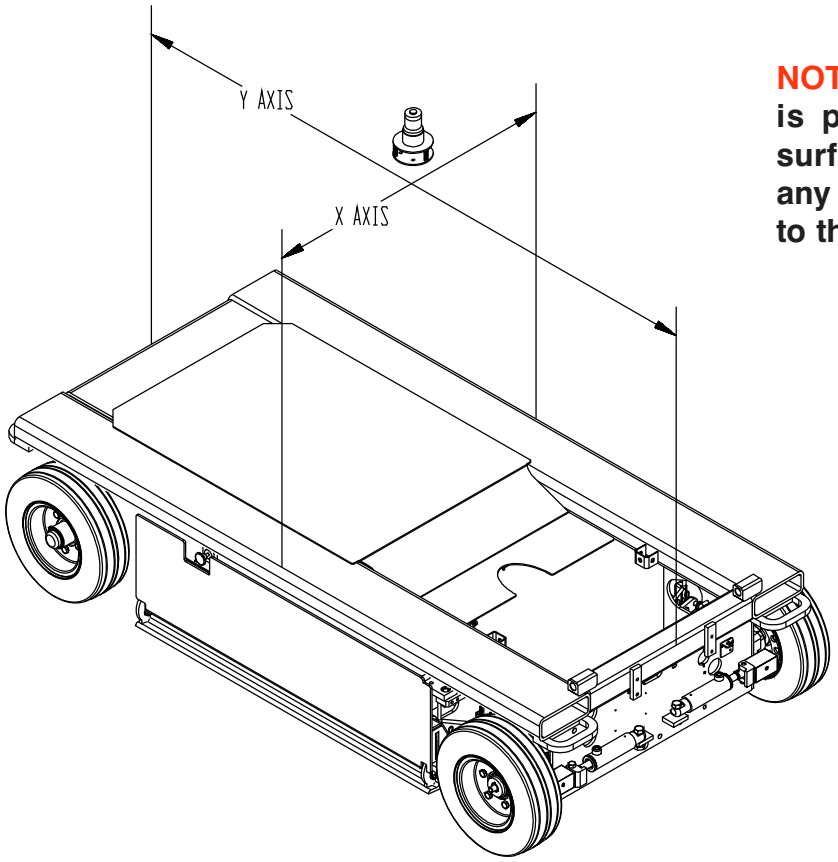

NOTE: Ensure the platform is parked on a flat level surface before performing any adjustments or repairs to the tilt switch assembly.

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Figure 6.4-1. Hydraulic/Electric Tray Assembly

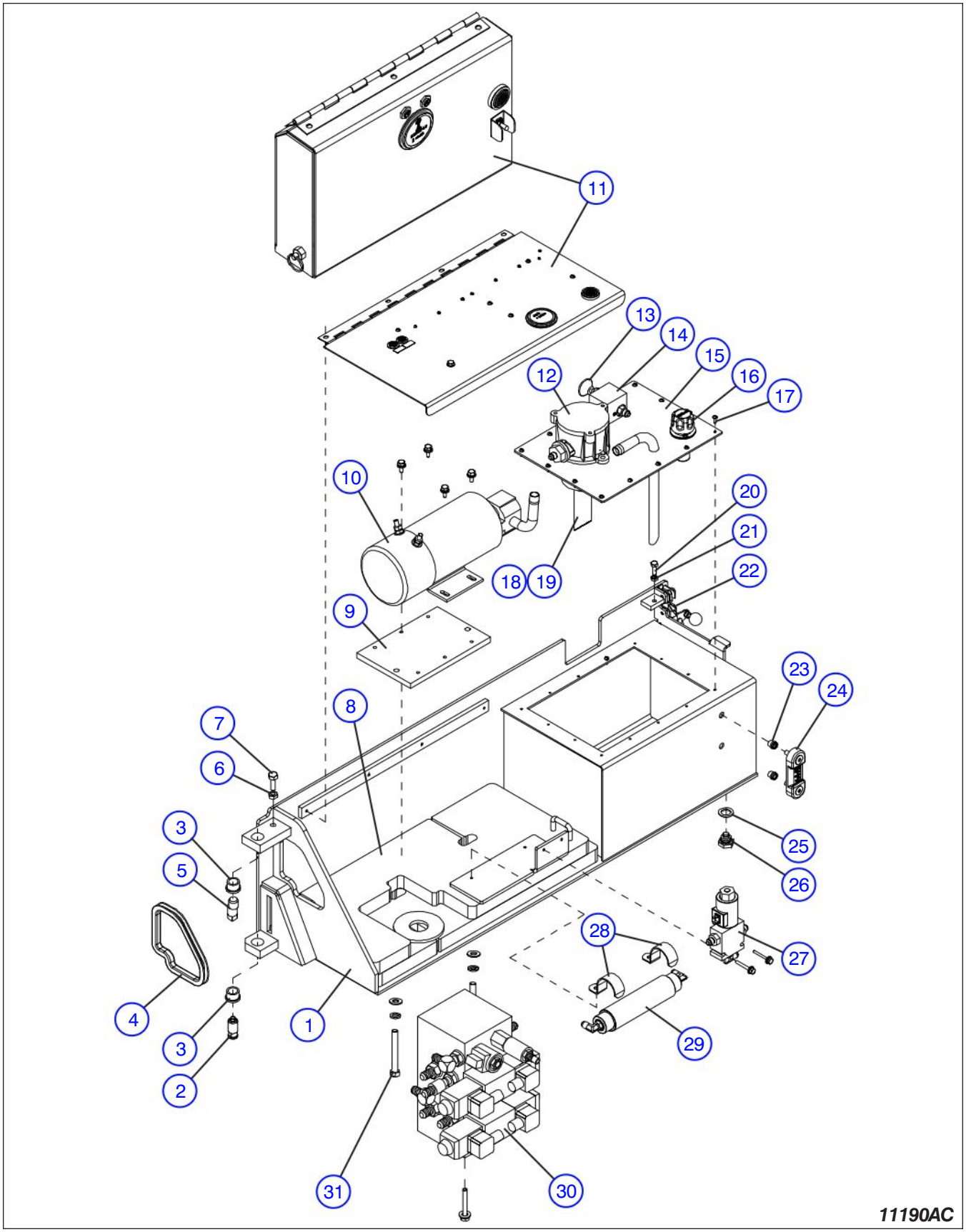


Figure 6.4-1. Hydraulic/Electric Tray Assembly **AH**

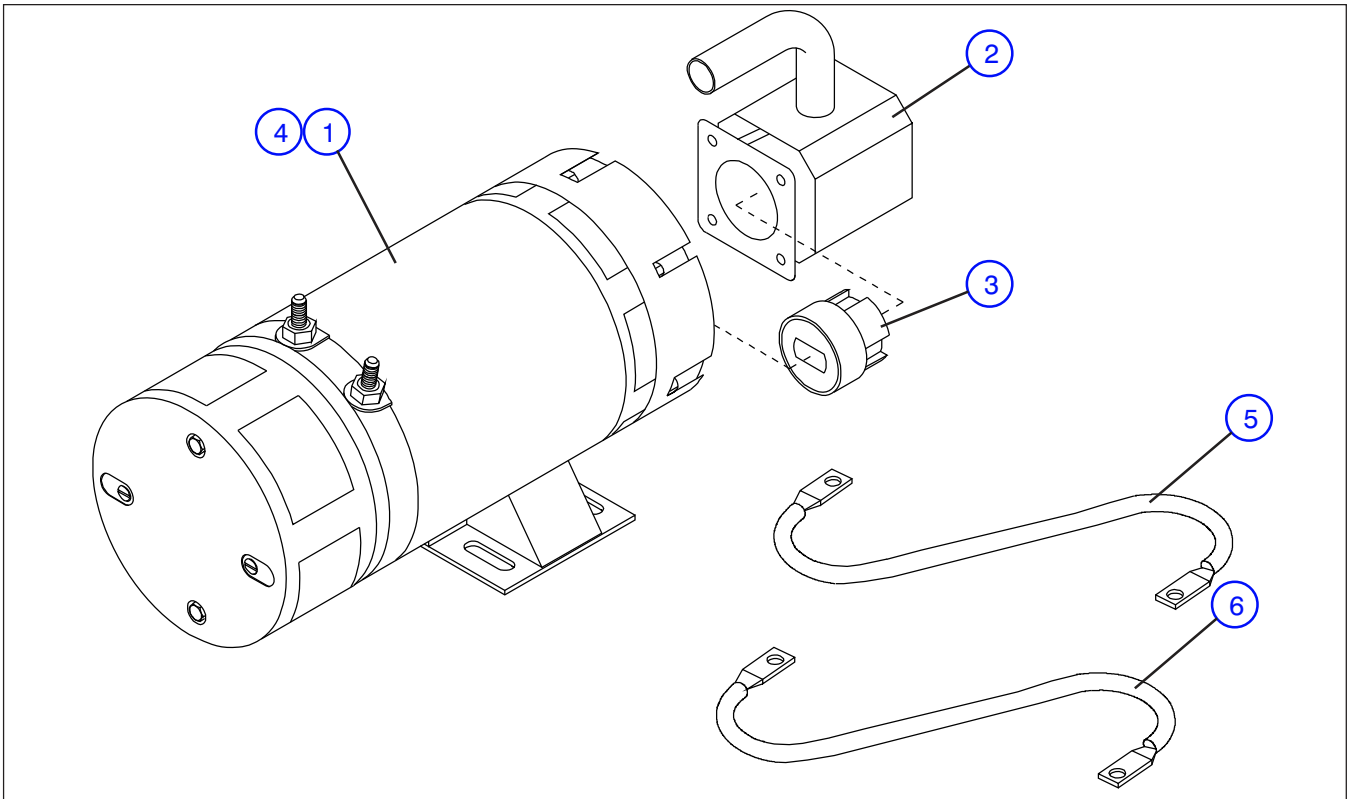
Index No.	Skyjack Part No.	Qty.	Description
1	125443	1	WELDMENT, Hydraulic/electric tray **(Standard)**
	125735	1	WELDMENT, Hydraulic/electric tray **(EE-Rated)**
2	118983	1	PIN, Tray Bottom
3	100335	2	BUSHING, Bronze
4	125821	1	TRIM, Protective
5	100446	1	PIN, Tray Upper Eccentric
6	107949	1	NUT, Hex Jam 1/2”-13
7	125798	1	BOLT, Carriage 1/2”-13 x 1.5” Gr. 5
8	132767	1	ASSEMBLY, Weight (If equipped with Internal Compensator Valve)
	125426	1	ASSEMBLY, Weight (If equipped with External Compensator Valve)
9	119020	1	PLATE, Motor mounting
	127060	2	• BOLT, Hex-hd 1/2’ - 13 x 4” lg. Gr.5
	103468	2	• WASHER, Flat 1/2”
	103470	2	• WASHER, Lock 1/2”
10	(Ref.)	1	ASSEMBLY, Pump and Motor
		-	(For components, refer to Figure 6.4-2)
	103887	4	• BOLT, Hex-hd 5/16 - 18 x 3/4” lg.
	103404	4	• WASHER, Flat 5/16”
	103996	4	• WASHER, Lock 5/16”
11	(Ref.)	1	ASSEMBLY, Electrical Panel
		-	(For component, refer to Figures 6.6-1, or 6.6-2)
	112495	4	• BOLT, Hex head .25 - 20 x 3/8” lg.
12	109568	1	ASSEMBLY, Filter Return
	103864	2	• BOLT, Hex-hd 5/16-18 x 1" lg.
	104254	1	• ELEMENT, Filter
	123022	1	• SEAL, Filter Assembly
	123021	1	• COVER, Filter Assembly
	123020	1	• SPRING, Filter Assembly
	122973	1	• CASTING, Aluminum
	121571	1	• SCREW, Set
	122969	3	• BOLT, Washer Combined
	122968	1	• CASING, Filter
	109052	1	• FITTING, Connector
	112495	4	• BOLT, Hex head .25 - 20 x 3/8” lg.
13	107271	1	VALVE, Pull-type lowering
14	107493	1	MANIFOLD, Lowering valve
	103069	1	• FITTING, Connector
15	109267	1	COVER, Hydraulic tank
16	102693	1	CAP W/GASKET, Filler/breather
	103962	3	• SCREW, Machine #10-32 x 1/2" lg.

Parts list continued on the following page.

Figure 6.4-1. Hydraulic/Electric Tray Assembly (Continued)

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
17	103962	14	SCREW, Machine #10-32 x 1/2" lg.
18	103320	1	CLAMP, Worm #16
19	102918	1	HOSE, Tank 1”
20	125800	1	SCREW, Slotted Round Head 3/8”-16 x 1” Gr. 5
21	108575	1	NUT, Hex Jam 3/8”-16 Gr. B
22	111954	1	LATCH ASSEMBLY, Hydraulic/Electric Tray
	102780	1	• LATCH, Tray
	111534	1	• KNOB, Latch
	103857	1	• BOLT, Hex-hd 1/4-20 x 1" Gr. 5.
	104000	1	• WASHER, Lock 1/4"
	103864	3	• BOLT, Hex-hd 5/16-18 x 1" Gr. 5
	103404	3	• WASHER, Lock 5/16” Gr. 5
	103980	1	• NUT, Hex Hd 1/4”-20 Gr. 5
23	124311	2	INSERT, Threaded (Not Needed if Ordering Gauge Assembly)
24	103236	1	GAUGE, Oil level/temperature
25	120190	1	SEAL, Magnetic drain plug
26	117701	1	PLUG, Magnetic drain
27	(Ref.)	1	ASSEMBLY, Proportional Control Manifold
		-	(For components, refer to Figure 6.4-4)
	103860	2	• BOLT, Hex-hd 1/4”-20 x 1.75” Gr. 5
	103995	2	• WASHER, Flat 1/4”
	104000	2	• WASHER, Lock 1/4”
28	102971	2	BRACKET, Cylinder mounting
	103855	2	• BOLT, Hex-hd 1/4” - 20 x 1/2” Gr. 5
	104000	2	• WASHER, Lock 1/4”
	103995	2	• WASHER, Flat 1/4”
29	124291	1	CYLINDER, Cushion
30	(Ref.)	-	MANIFOLD ASSEMBLY, Main
		-	(For components, refer to Figure 6.4-5)
	103873	1	• BOLT, Hex-hd 3/8” - 16 x 2 1/2” Gr. 5
	103472	1	• WASHER, Flat 3/8”
	103999	1	• WASHER, Lock 3/8”
31	133940	2	BOLT, Hex head 1/2”-13 x3-3/4” Grd. 5
			NOTE: For Pothole Protection Device Parts, Refer to Figure 6.3-2

Figure 6.4-2. Pump And Motor Assembly - ANSI/CSA & CE Models (Except EE Rated)



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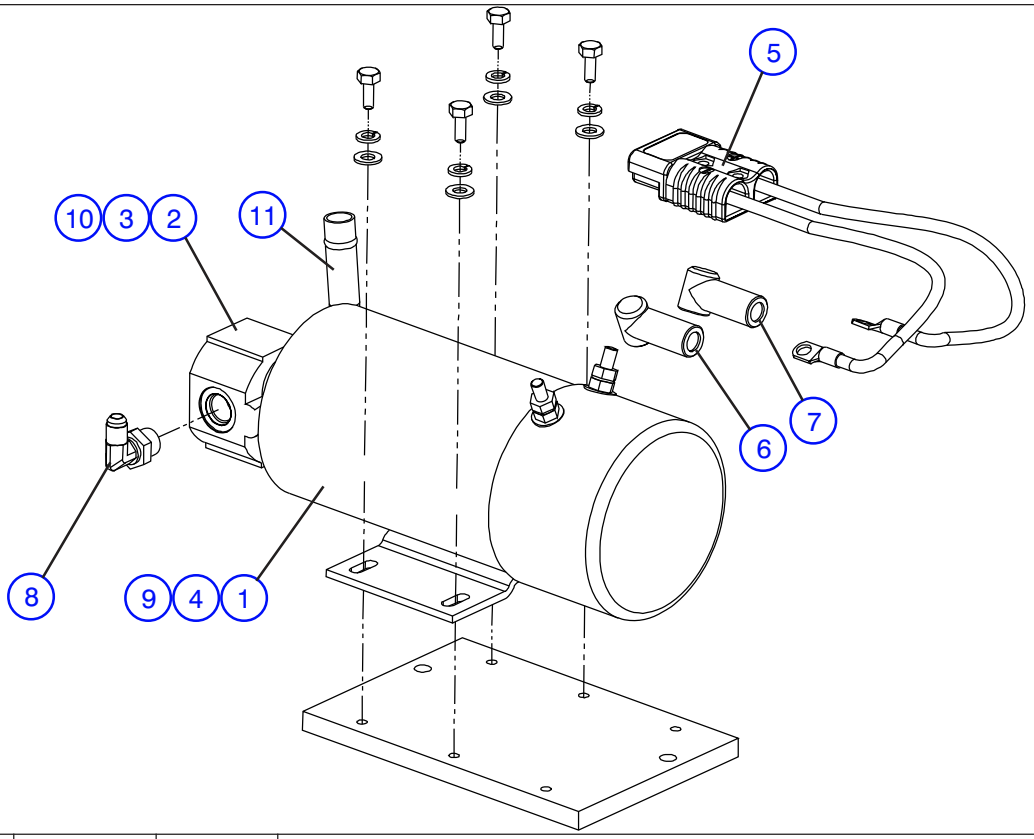
Index No.	Skyjack Part No.	Qty.	Description
A	123475	1	PUMP & MOTOR ASSEMBLY **(Model 3220/4620)**
B	123476	1	PUMP & MOTOR ASSEMBLY **(Model 3226/4626/4632)**
1	123477	1	MOTOR, 24 Volt DC
2	106577	1	PUMP, Hydraulic, **A**
	106587	1	PUMP, Hydraulic, **B**
	103845	4	• BOLT, Hex-hd 5/16”-18 x 1/2" lg.
	103996	4	• WASHER, Flat 5/16”
	103404	4	• WASHER, Lock 5/16”
3	703183	1	COUPLER (includes seals)
4	(Ref.)	1	HARDWARE, Motor Replacement
	122967	1	• BRUSH KIT (Includes Brushes and Springs)
5	124323	1	CABLE, Motor/Main Contactor #4Ga 5/16” x 35” x 3/8”
6	(Ref.)	1	CABLE, Motor/Battery
			(For components, refer to Figure 6.5-1)

Figure 6.4-3. Pump And Motor Assembly - ANSI/CSA EE Rated



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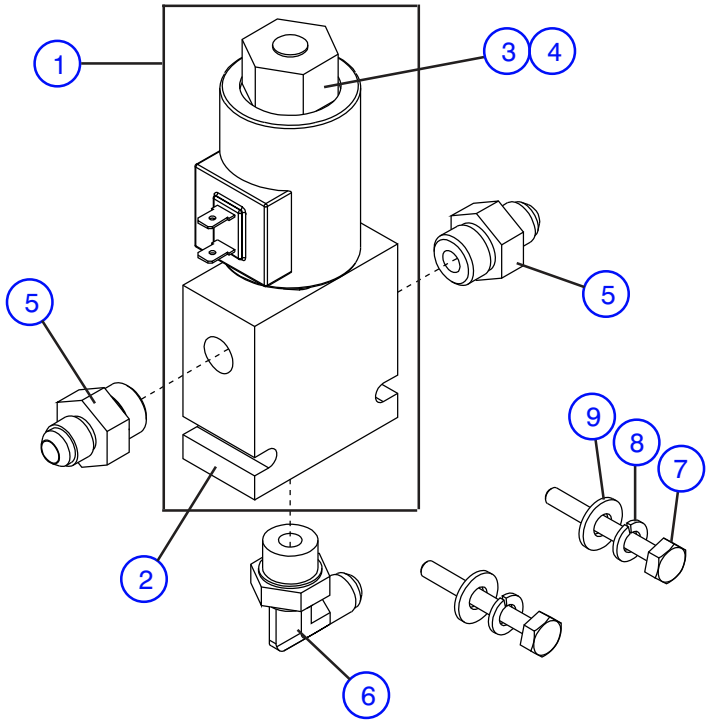
Index No.	Skyjack Part No.	Qty.	Description
A	132053	1	PUMP & MOTOR ASSEMBLY
1	123477	1	MOTOR, 24 Volt DC
2	129961	1	PUMP, Hydraulic
3	703183	1	COUPLER
4	(Ref.)	1	HARDWARE, Motor Replacement
	122967	1	• BRUSH KIT (Includes Brushes and Springs)
5	132288	1	ASSEMBLY, Cable and Connector
	103148	24”	• CABLE, Welding #4
	102938	2	• TERMINAL, Battery 3/8” 4 Ga
	105534	1	• CONNECTOR, 2-Prong 175A Grey
6	117407	1	INSULATOR, Black Boot
7	117408	1	INSULATOR, Red Boot
8	(Ref.)	1	FITTING, Hydraulic Hose Connections (For components, refer toFigure 6.4-6)
9	129962	1	KIT, Motor Band
10	129964	1	KIT, Pump Seal
11	129963	1	TUBE, Inlet

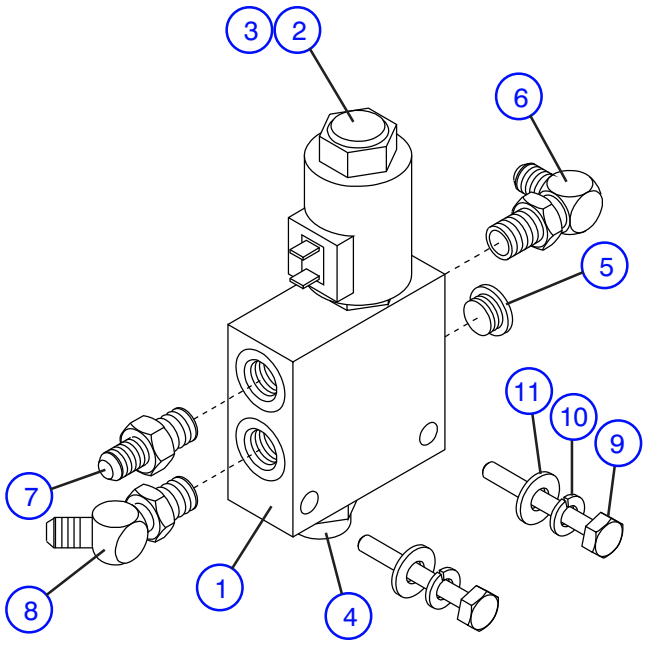
Figure 6.4-4A. Proportional Control Manifold Assembly - Equipped with Internal Compensator Valve **AH**



11189AA

Index No.	Skyjack Part No.	Qty.	Description
A	132761	1	ASSEMBLY, Proportional Control Valve Manifold **(Internal Compensator Valve)**
1	132750	1	• ASSEMBLY, Block/Valve/Coil
2	132748	1	• • BLOCK, Proportional Manifold
3	132749	1	• • VALVE, Proportional Flow Control
4	115370	1	• • COIL, 24 Volt
5	103070	2	• FITTING, Straight Connector
6	102665	1	• FITTING, Elbow Connector
7	103860	2	BOLT, Hex Hd 1/4”-20 x 1.75” Gr. 5
8	104000	2	WASHER, Lock 1/4”
9	103995	2	WASHER, Flat 1/4”

Figure 6.4-4B. Proportional Control Manifold Assembly - Equipped with External Compensator Valve



10324AA

Index No.	Skyjack Part No.	Qty.	Description
A	115310	1	ASSEMBLY, Proportional control Valve Manifold **(External Compensator Valve)**
1	115349	1	• BLOCK, Proportional manifold
2	115351	1	• VALVE, Proportional
3	115370	1	• COIL, 24 Volt (proportional valve)
4	115382	1	• VALVE, Pressure compensator
5	115320	1	• PLUG, Soc-hd #8orb
6	102665	1	FITTING, Elbow 90° #8orb-#6
7	103070	1	FITTING, Connector #8orb-#8
8	102665	1	FITTING, Elbow 90° #8orb-#6
	126332	1	FITTING, Elbow 45° #8orb-#6 (Used on some later models)
9	103596	2	BOLT, Hex Hd 3/8”-16 x 2.0” Gr. 5
10	103999	2	WASHER, Lock 3/8”
11	103472	2	WASHER, Flat 3/8”

Figure 6.4-5. Main Manifold Assembly

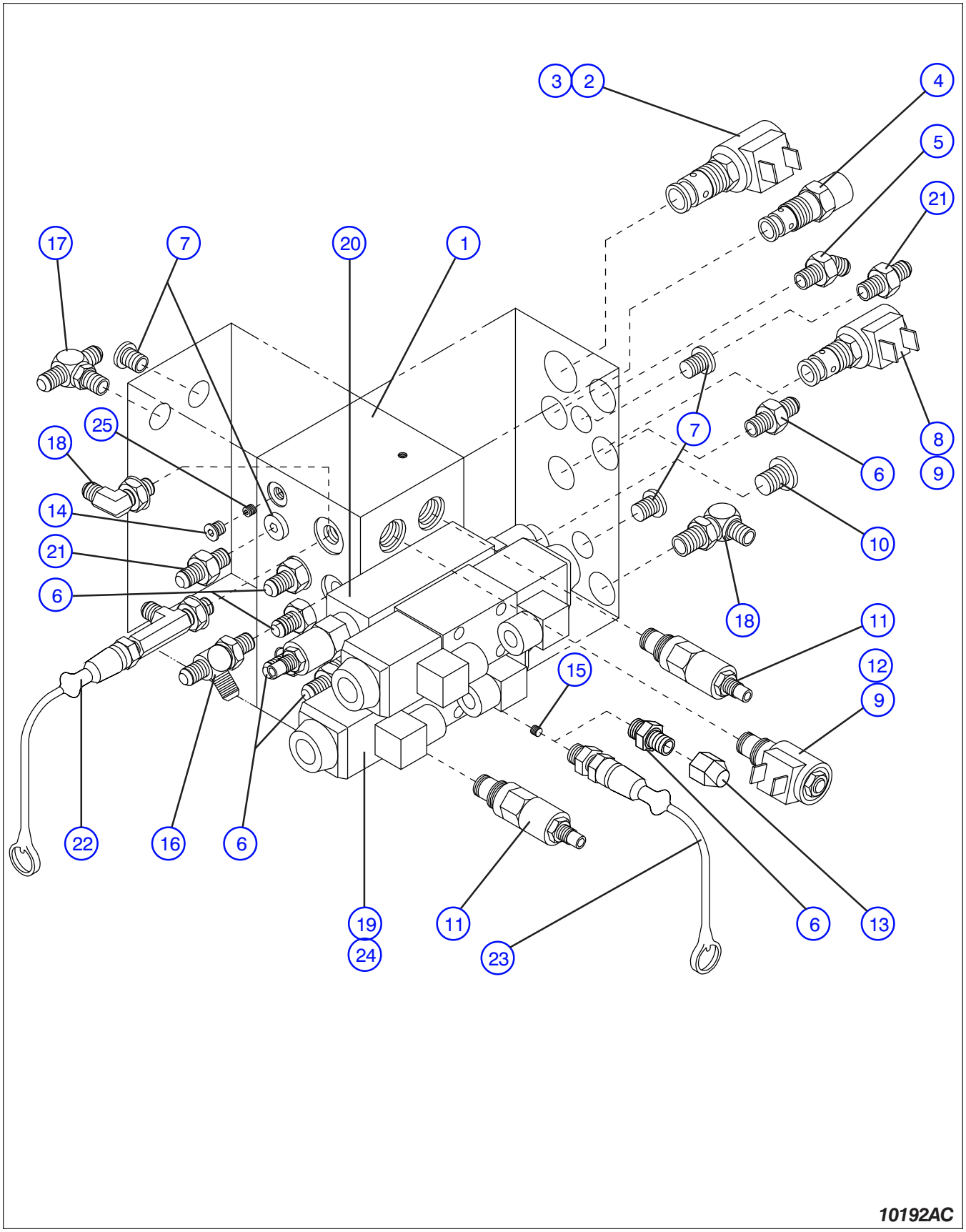


Figure 6.4-5. Main Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
A	122272	1	MANIFOLD ASSEMBLY, Main
B	124253	-	• ASSEMBLY, Manifold (Without directional valves)
1	107354	1	• • BLOCK, Main manifold
	108052	9	• • • PLUG, Expander
2	106273	1	• • VALVE, 3-Way (lift)
3	105610	1	• • COIL, 24 Volt
4	104133	1	• • VALVE, Counterbalance
5	114580	1	• • FITTING, O ring fitting 45° #6 orb - #6
6	103069	AR	• • FITTING, Connector #6 orb - #6
7	104437	6	• • FITTING, Plug #6
8	103623	1	• • VALVE, 3-Way (brake)
9	103605	2	• • COIL, 24 Volt
10	115320	1	• • FITTING, Plug #8
11	104534	2	• • VALVE, Relief
12	103655	1	• • VALVE, N.C. (lowering)
13	107666	1	• • FITTING, Cap nut
14	102856	1	• • FITTING, Plug #3 **(Model 32XX only)**
15	104419	1	• • FITTING, 1/16" NPT Plug
16	114581	1	• • FITTING, Tee #6 orb - #6 - #6
17	114579	1	• • FITTING, Tee #6 orb - #6 - #6
18	114578	2	• • FITTING, Elbow
19	128798	2	• VALVE ASS'Y, 24 Volt "Hytos" (Drive & Steer)
	128317	1	• • VALVE ASSEMBLY, 12V Spool
	128320	2	• • • COIL, 24 Volt
	103920	4	• • BOLT, Socket head #10 - 24 x 2" Gr. 5
20	(Ref.)	1	VALVE ASSEMBLY, Drive cross over relief (Option)
	121877	1	• MANIFOLD W/RELIEF VALVES, Cross-over
	103923	4	• BOLT, Socket head #10 - 24 x 3.5" Gr. 5
21	701956	2	FITTING, Connector (Equipped with powered extension platform)
22	122427	1	KIT, Quick Disconnect (If Equipped)
	122385	1	• QUICK DISCONNECT, Coupler
	114521	1	• COVER, Quick disconnect dust
	122364	1	• FITTING, Tee #6 - #6 - #6
23	122420	1	KIT, Quick Disconnect (If Equipped)
	122385	1	• QUICK DISCONNECT, Coupler
	114521	1	• COVER, Quick disconnect dust
	122428	1	• FITTING, #6-#6
24	119825	4	CONNECTOR, With Diode
25	122213	1	ORIFICE, 1/16" NPT x 0.073"ID **(Model 4620 only)**
	105530	1	ORIFICE, 1/16" NPT x 0.081" ID **(Model 4632 only)**

Figure 6.4-6. Hydraulic Hose Connections - Hydraulic/Electric Tray **AF**

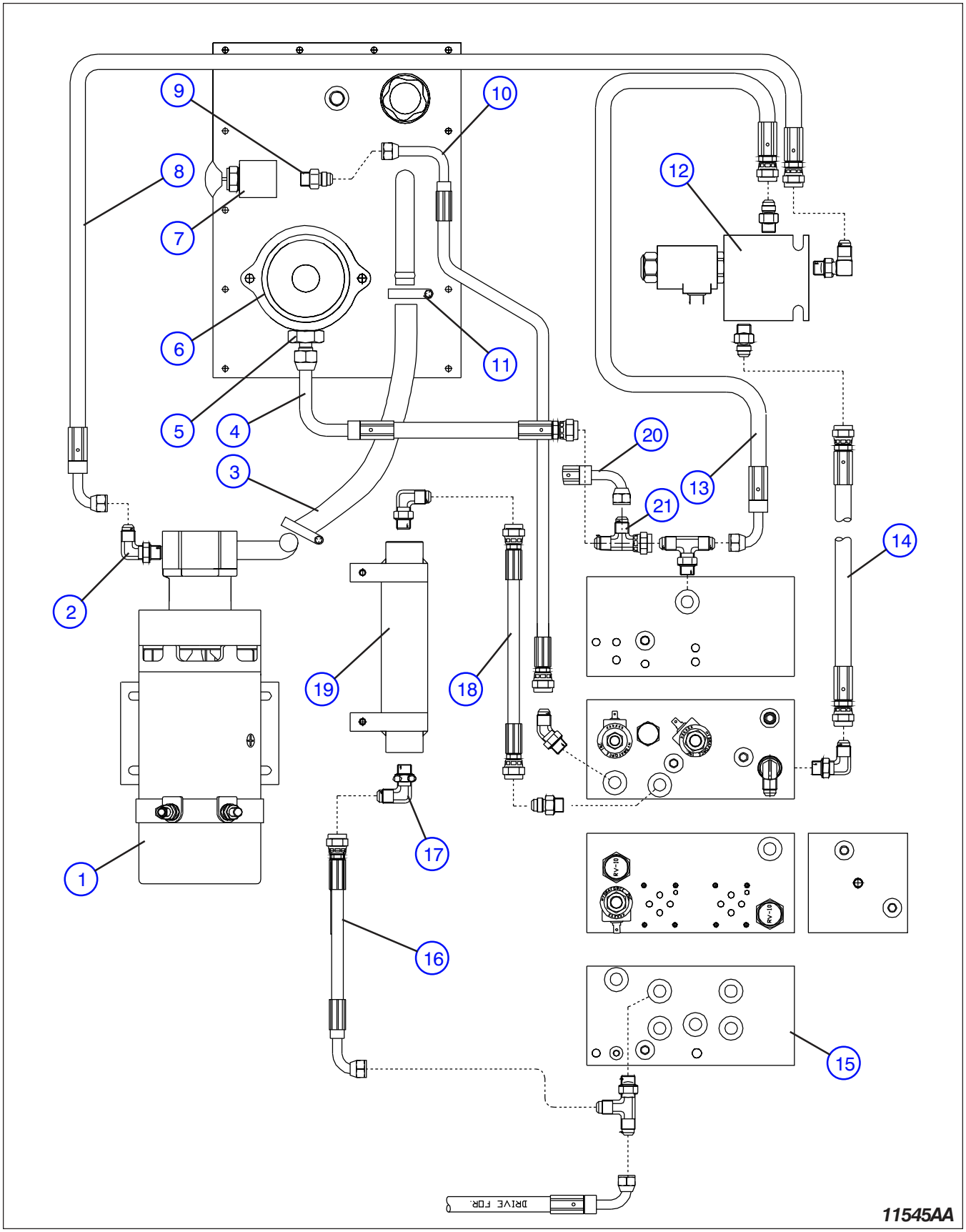


Figure 6.4-6. Hydraulic Hose Connections - Hydraulic/Electric Tray **AI**

Index No.	Skyjack Part No.	Qty.	Description
A	(Ref.)	1	All 32XX models and for model 46XX with serial number 713314 and Below
B	(Ref.)	1	Model 46XX with serial number 713315 and Above
1	(Ref.)	1	PUMP AND MOTOR ASSEMBLY
		-	(For components, refer to Figure 6.4-2)
2	102665	1	FITTING, Connector #12 orb - #6
3	119851	1	HOSE, Suction 3/4”
*4	136563	1	HOSE ASSEMBLY, Filter to main manifold
5	109052	1	FITTING, Connector #12 orb - #6
6	(Ref.)	1	FILTER ASSEMBLY, Return
		-	(For components, refer to Figure 6.4-1)
7	(Ref.)	1	LOWERING VALVE/MANIFOLD
		-	(For components, refer to Figure 6.4-1)
*8	106412	1	HOSE ASSEMBLY, Pump to proportional manifold (13” long) **(If equipped with Internal Compensator Valve)**
	115318	1	HOSE ASSEMBLY, Pump to proportional manifold (11” long) **(If equipped with External Compensator Valve)**
9	103069	1	FITTING, Connector #6 orb - #6
*10	112631	1	HOSE ASSEMBLY, Manual lowering valve manifold
11	114402	2	CLAMP, Worm #12
12	(Ref.)	1	MANIFOLD ASSEMBLY, Proportional control
		-	(For components, refer to Figure 6.4-4)
*13	107732	1	HOSE ASSEMBLY, Proportional manifold to return filter (28” long) **(If equipped with Internal Compensator Valve)**
	111196	1	HOSE ASSEMBLY, Proportional manifold to return filter (18” long) **(If equipped with External Compensator Valve)**
*14	106413	1	HOSE ASSEMBLY, Main manifold to proportional manifold
15	(Ref.)	1	MANIFOLD ASSEMBLY, Main
		-	(For components, refer to Figure 6.4-5)
*16	126331	1	HOSE ASSEMBLY, Cushion cylinder
17	114578	2	FITTING, Elbow 90° #6 orb - #6
*18	102647	1	HOSE ASSEMBLY, Cushion cylinder
19	(Ref.)	1	CYLINDER, Cushion
		-	(For components, refer to Figure 6.4-1)
20	(Ref.)	1	HOSE ASSEMBLY, Main Case Drain **B**
		-	(For components, refer to Figure 6.3-10)
21	702382	1	FITTING, Swivel Run Tee - #6 JIC **B**
*	136562	1	KIT, Hydraulic Hose

Figure 6.5-1. Battery Tray Assembly - ANSI/CSA and CE

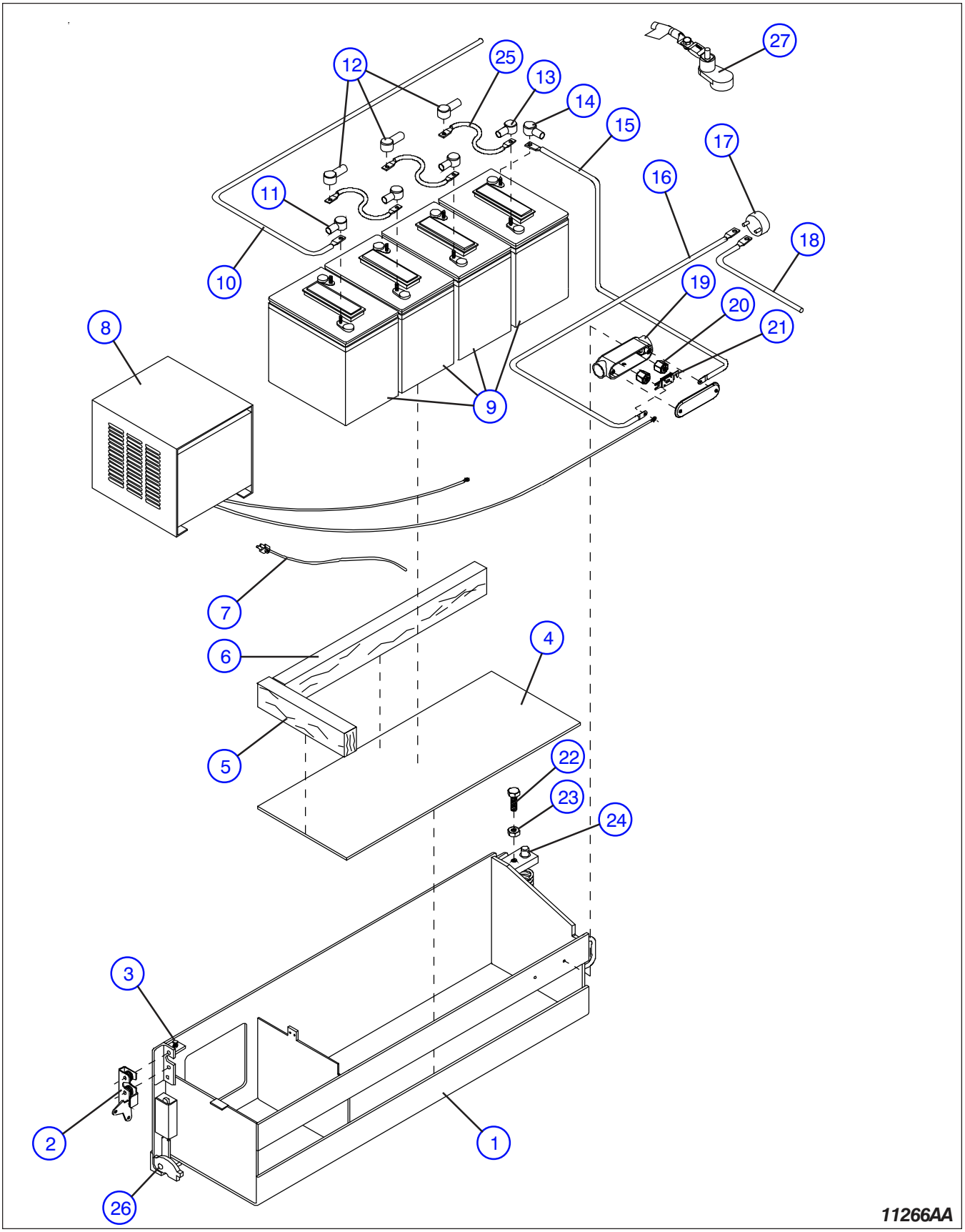


Figure 6.5-1. Battery Tray Assembly - ANSI/CSA and CE **AH**

Index No.	Skyjack Part No.	Qty.	Description
1	117513	1	WELDMENT, Battery tray (If equipped with Fuse Box)
	143665	1	WELDMENT, Battery tray (If equipped with Inline Fuse)
2	119609	1	LATCH, Tray Assembly
	102781	1	• LATCH, Rotary
	111534	1	• KNOB, Latch
	103855	1	• BOLT, Hex Head 1/4" - 20 x 1/2" Grd. 5
	104000	1	• WASHER, Lock 1/4"
	103864	3	• BOLT, Hex Head 5/16" - 18 x 1" Grd. 5
	103404	3	• WASHER, Lock 5/16"
3	125800	1	SCREW, Slotted Round Head 3/8" - 16 x 1" Gr. 5
	108575	1	NUT, Jam 3/8" - 16 Gr. B
4	100440	1	PLYWOOD, 3/8" x 10-1/2" x 28-1/2"
	120340	1	SHEET, Neoprene 1/4"*10.5*28.5 (For Australia/New Zealand machines)
5	111423	1	SPACER, Wood 2" x 3" x 11"
	120338	1	SPACER, Plastic Wood 2" x 4" x 11" (For Australia/New Zealand machines)
6	100442	1	SPACER, Wood 2" x 3" x 28" (Equipped with U2200 Batteries only)
	120339	1	SPACER, Plastic Wood 2" x 4" x 28" (For Australia/New Zealand machines)
7	(Ref.)	1	HARNESS, Charger Cut-out (For components, refer to Figure 6.6-1)
8	(Ref.)	1	CHARGER, Battery Assembly (For components, refer to Figures 6.5-3)
9	106552	4	BATTERY, 6V (Interstate #U2500)
	103480	4	BATTERY, 6V (Interstate #U2200)
10	124325	1	CABLE, Battery to Pump/Motor Assembly
11	117407	1	BOOT, Black Battery **(CE models only)**
12	105600	4	BOOT, Red Battery **(CE models only)**
13	105601	4	BOOT, Black Battery **(CE models only)**
14	117408	1	BOOT, Red Battery **(CE models only)**
15	119547	1	CABLE, Battery Positive Terminal to Fuse Box (If equipped with Fuse Box)
16	119548	1	CABLE, Fuse Box to Main Disconnect Switch (If equipped with Fuse Box)
	143663	1	CABLE, Main Disconnect Switch to Battery(If equipped with Inline Fuse)
17	(Ref.)	-	ASSEMBLY, Main Disconnect Switch (For components, refer to Figure 6.3-1)
18	119550	1	CABLE, Main Disconnect Switch to Main Contactor
19	119061	1	HOUSING, Fuse Box (If equipped with Fuse Box)
	119007	2	• SCREW, Machine 1/4" - 20 x 5/8"
20	103068	2	INSULATOR, Fuse Mounting (if equipped with Fuse Box)
21	117619	1	FUSE, ANL 300 Amp (If equipped with Fuse Box)
	112495	2	• BOLT, Hex Head 1/4"-20 x 3/8" Grd. 5
22	125798	1	BOLT, Carriage 1/2" - 13 x 1-1/2" Gr. 5
23	107949	1	NUT, 1/2"-13 Jam
24	(Ref)	-	PIN ASSEMBLY, Tray Upper
	100335	1	• BUSHING, Bronze
	100446	1	• PIN, Eccentric
	(Ref)	-	PIN ASSEMBLY, Tray Lower
	100335	1	• BUSHING, Bronze
	118983	1	• PIN, Tray bottom
25	120425	AR	CABLE, Battery jumper
26	(Ref.)	-	ASSEMBLY, Pot Hole Protection Device (For components, refer to Figure 6.3-2)
27	137243	1	CABLE, Battery 300A In-Line Fuse, (If equipped with Inline Fuse)
	310517	1	• 300 Amp fuse
L	(Ref.)	1	LABELS (Not shown)
		-	(Refer to Figure 6.8-3)

Figure 6.5-2. Battery Tray Assembly - ANSI/CSA (EE Rated)

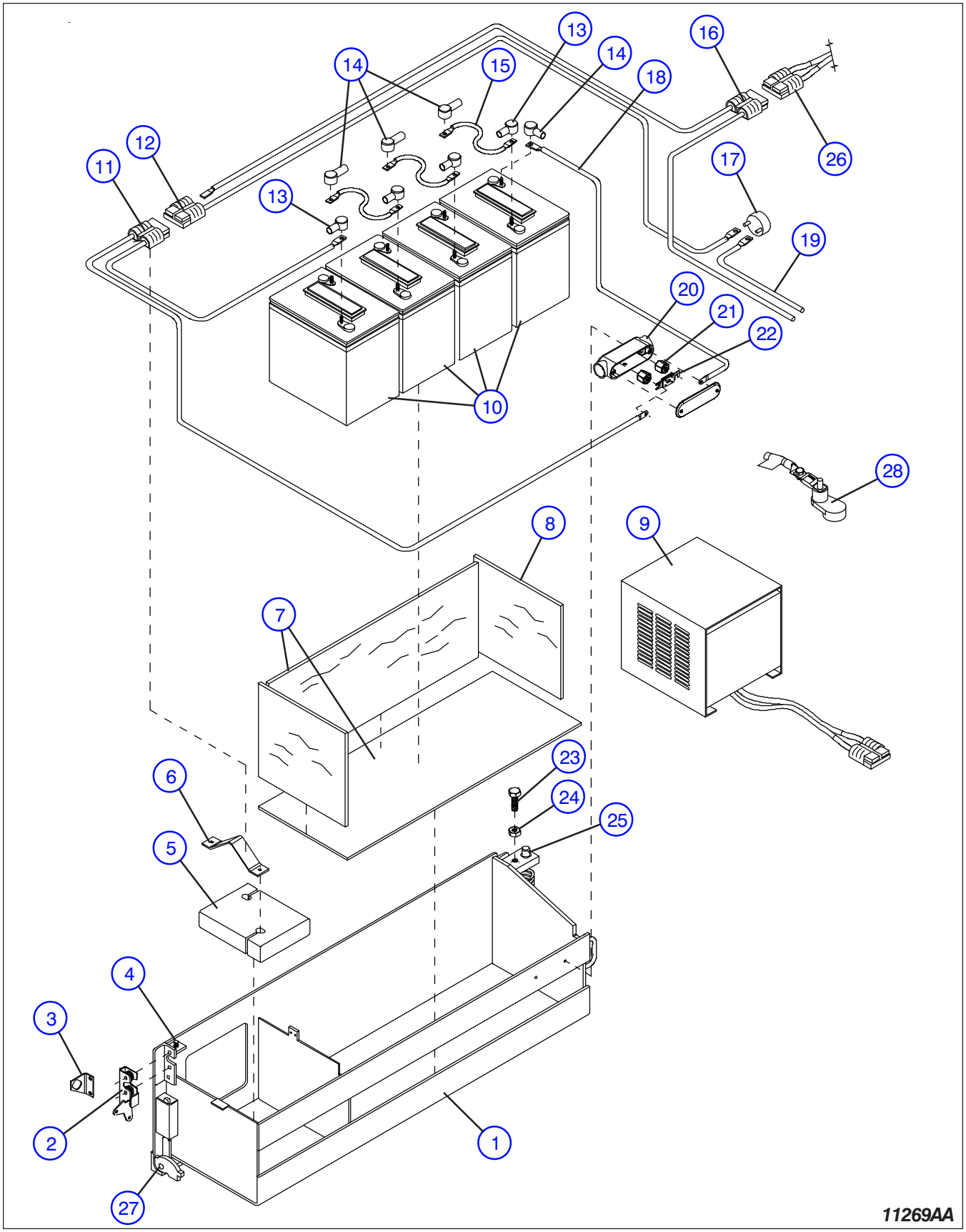


Figure 6.5-2. Battery Tray Assembly - ANSI/CSA (EE Rated) **AH**

Index No.	Skyjack Part No.	Qty.	Description
1	117513	1	WELDMENT, Battery tray (If equipped with Fuse Box)
	143665	1	WELDMENT, Battery tray (If equipped with Inline Fuse)
2	119609	1	LATCH, Tray Assembly
	102781	1	• LATCH, Rotary
	111534	1	• KNOB, Latch
	103855	1	• BOLT, Hex Head 1/4” - 20 x 1/2” Grd. 5
	104000	1	• WASHER, Lock 1/4”
	103864	3	• BOLT, Hex Head 5/16” - 18 x 1” Grd. 5
	103404	3	• WASHER, Lock 5/16”
3	119528	1	ASSEMBLY, Tray Lock
	104049	1	• BRACKET, Tray Lock
	104051	1	• CAM, Lock
	103886	1	• BOLT, Hex Hd 5/16”-18 x 1.50” Grd. 5
4	125800	1	SCREW, Slotted Round Head 3/8” - 16 x 1” Gr. 5
	108575	1	NUT, Jam 3/8” - 16 Gr. B
5	126236	1	WEIGHT, Battery Charger
6	119286	1	BRACKET, Connector Mount
7	113655	3	PLYWOOD, 1/4” x 9.5” x 29”
8	113654	5	PLYWOOD, 1/4” x 9.5” x 10.5”
9	(Ref.)	1	CHARGER, Battery Assembly (For components, refer to Figures 6.5-3)
10	106552	4	BATTERY, 6V (Interstate #U2500)
	103480	4	BATTERY, 6V (Interstate #U2200)
11	119591	1	ASSEMBLY, Cable (Battery to Fuse Box) (If equipped with Fuse Box)
	105534	1	• PLUG, Battery Connector 175 Amp 2-prong
	103036	1	• CONNECTOR, Strain Relief
	103148	54”	• CABLE, Welding #4 Ga
	143672	1	ASSEMBLY, Cable (Battery to Battery Charger) (If equipped with Inline Fuse)
	105534	1	• PLUG, Battery Connector 175 Amp 2-prong
	103148	81”	• CABLE, Welding #4 Ga
12	126076	1	ASSEMBLY, Connector Cable (from Motor & Main Disconnect Switch)
	105534	1	• PLUG, Battery Connector 175 Amp 2-prong
	103148	80”	• CABLE, Welding #4 Ga

Part list continued on the next page.

Figure 6.5-2. Battery Tray Assembly - ANSI/CSA (EE Rated) (Continued)

Index No.	Skyjack Part No.	Qty.	Description
			Part list continued from previous page.
13	105601	4	BOOT, Black Battery
14	105600	4	BOOT, Red Battery
15	120425	AR	CABLE, Battery jumper
16	126047	1	ASSEMBLY, Connector Cable (Motor to Main Disconnect Switch/Battery)
	119592	1	ASSEMBLY, Connector Cable (Motor to Main Disconnect Switch/Battery) **(4626)**
	105534	1	• PLUG, Battery Connector 175 Amp 2-prong
	103148	169”	• CABLE, Welding #4 Ga
17	(Ref.)	-	ASSEMBLY, Main Disconnect Switch (For components, refer to Figure 6.3-1)
18	119547	1	CABLE, Battery to Main Fuse Box
	103036	1	• CONNECTOR, Strain Relief
	121048	1	• REDUCER, Threaded Bushing
19	119550	1	CABLE, Main Disconnect Switch to Main Contactor
	126049	1	CABLE, Main Disconnect Switch to Main Contactor **(Model 4626)**
20	119061	1	HOUSING, Fuse Box
	119007	2	• SCREW, Machine 1/4” - 20 x 5/8”
21	103068	2	INSULATOR, Fuse Mounting
22	117619	1	FUSE, ANL 300 Amp
	112495	2	• BOLT, Hex Head 1/4”-20 x 3/8” Grd. 5
23	125798	1	BOLT, Carriage 1/2” - 13 x 1-1/2” Gr. 5
24	107949	1	NUT, 1/2”-13 Jam
25	(Ref.)	-	PIN ASSEMBLY, Tray Upper
	100335	1	• BUSHING, Bronze
	100446	1	• PIN, Eccentric
	(Ref.)	-	PIN ASSEMBLY, Tray Lower
	100335	1	• BUSHING, Bronze
	118983	1	• PIN, Tray bottom
26	(Ref.)	-	ASSEMBLY, Motor Connector (For components, refer to Figure 6.4-2)
27	(Ref.)	-	ASSEMBLY, Pot Hole Protection Device (For components, refer to Figure 6.3-2)
28	137243	1	CABLE, Battery 300A In-Line Fuse, (If equipped with Inline Fuse)
	310517		• 300 Amp fuse
L	(Ref.)	-	LABELS (not shown) (Refer to Figure 6.8-3)

Figure 6.5-3. Battery Charger Assembly *AI*

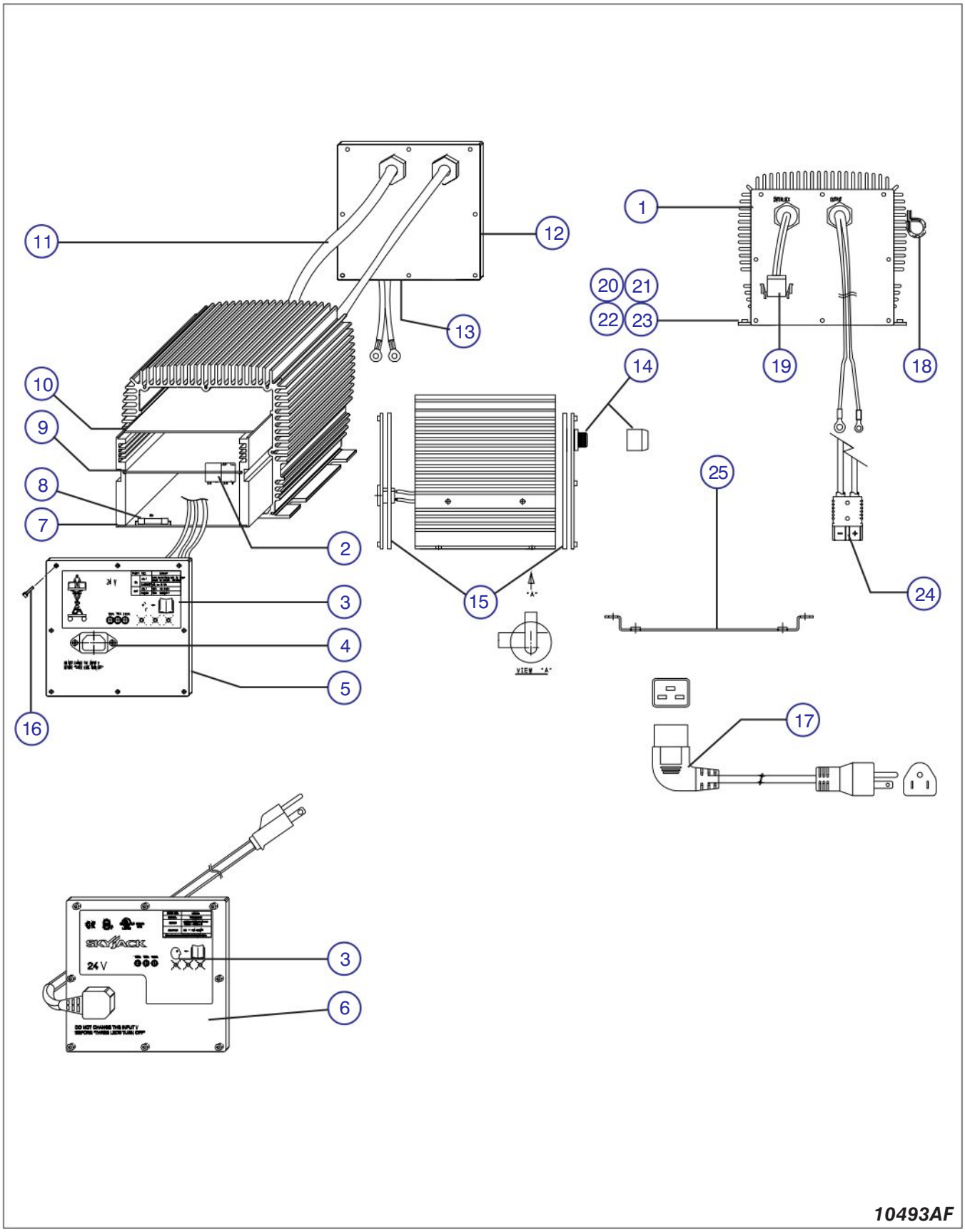


Figure 6.5-3. Battery Charger Assembly **AI**

Index No.	Skyjack Part No.	Qty.	Description
1	128537	1	CHARGER, 24V DC Battery
2	127171	1	• RELAY, Power ON
	127154	1	• • RELAY, Interlock
3	129163	1	• LABEL, Front Plate
4	127159	1	• CONNECTOR, IEC
5	127162	1	• FRONTPLATE ASSEMBLY (without hardwired cord) (If equipped)
6	147674	1	• FRONTPLATE ASSEMBLY (with hardwired cord) (If equipped)
7	127160	1	• BOARD, Main PC (1)
8	127155	1	• FUSE, Internal
9	127161	1	• BOARD, Main PC (2)
10	127169	1	• CONTROL BOARD, Main
11	127156	1	• CABLE, Interlock
12	127163	1	• PLATE, Rear
13	127157	1	• CABLE, Output
14	127158	1	• STRAIN RELIEF, Rear Plate
15	127170	2	• GASKET, Front or Rear Plate
16	127164	1	• SCREWS, Front and Rear Plates
17	120789	1	CORD, Charger Cord 120V (If equipped)
	120790	1	CORD, Charger Cord 220V (If equipped)
18	123764	1	CLIP, #10 G6 Single
19	115391	1	PLUG, Charger Cutout
20	103856	4	BOLT, 1/4 - 20 x 3/4 Grade 5
21	103995	4	WASHER, 1/4 Flat
22	104000	4	WASHER, 1/4 Lock
23	103980	4	NUT, 1/4 - 20 Grade B
24	116039	1	CONNECTOR, Battery Grey 175 AMP **(ANSI/CSA EE Rated only)**
25	128902	1	Adopter Plate (If equipped)

Figure 6.6-1. Electrical Panel Assembly - ANSI/SIA and CSA **AH**

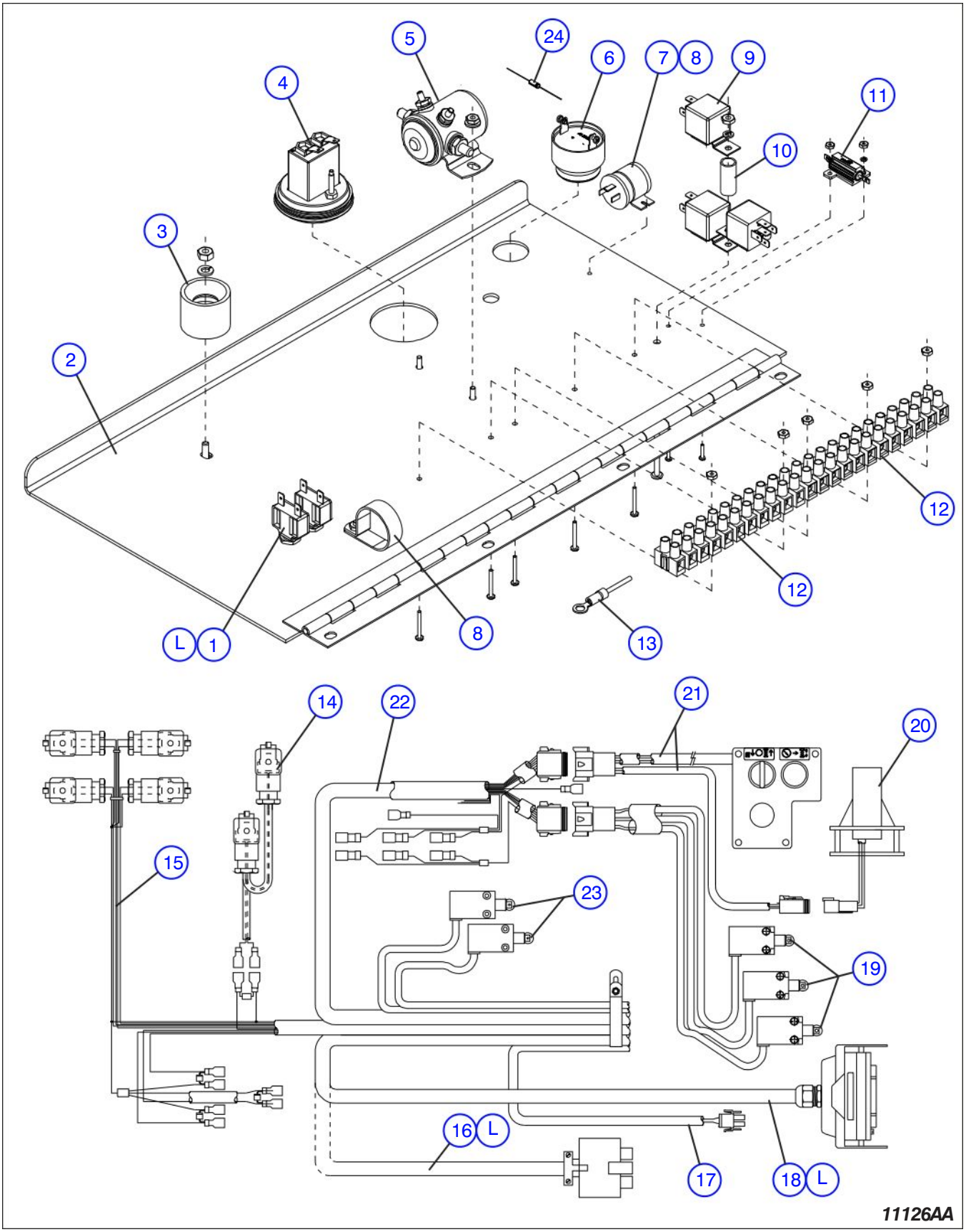


Figure 6.6-1. Electrical Panel Assembly - ANSI/SIA and CSA **AH**

Index No.	Skyjack Part No.	Qty.	Description
1	117325	2	CIRCUIT BREAKER, 15 Amp
2	132661	1	WELDMENT, Electrical panel
	112495	1	• BOLT, Hex Head 1/4”-20 x 3/8” Gr. 5
3	125893	1	BUMPER, Female
4	103336	1	HOURMETER
5	103101	1	CONTACTOR
	103962	2	• SCREW, Machine #10-32 x 1/2" lg.
	104003	2	• NUT, Hex #10-32
6	103057	1	BEEPER, 24 Volt
7	(Ref.)	-	FLASHING LIGHT OPTION, Flasher
			(For components, refer to Figure 6.2-6)
	132793	1	• CLAMP, Plastic (1 1/4”)
8	132794	1	CLAMP, Cable Bundle (1 3/8”)
9	108589	3	RELAY, 24 Volt
10	116711	1	SPACER, Relay Mounting Stand
	104546	1	• SCREW, Round hd #10-32 x 2”
	104003	2	• NUT, Hex #10-32
	104694	2	• WASHER, Flat #10
11	129182	1	RESISTOR. Proportional Speed 30 Ohm
12	103011	1	STRIP, Terminal block 11P
	103011	1	STRIP, Terminal block 12P
	103956	5	• SCREW, Round Hd #6-32 x 1”
	103985	5	• NUT, Hex #6-32
13	132657	1	HARNESS, “O2” Wire
14	129171	1	HARNESS, Holding Valve - One Lift Cylinder **(Model 3220/4620)**
	129170	1	HARNESS, Holding Valves - Two Lift Cylinders **(Model 4626/4632)**
15	117902	1	HARNESS ASSEMBLY, Main Manifold
16	119641	1	CABLE ASSEMBLY, Electrical Panel control **(No Option)**
	102888	67"	• CABLE, Control 16/10
	102518	1	• CONNECTOR, 10 Pole
	119456	1	• COVER, Connector
	119457	2	• DOWEL, Plastic
17	132869	1	HARNESS, Charger Cut-out
	105269	156”	• CABTIRE, 14/3
	116992	1	• HOUSING, 2-Pole Plug Male
	116990	2	• PIN, Female Wire
18	119730	1	CABLE ASSEMBLY, Electrical Panel Control **(All Option)**
	107821	1	• CONNECTOR, Female
	102887	73”	• CABLE, Control 16/15
	119727	2	• PIN, Code
19	(Ref.)	-	SWITCH ASSEMBLY, High Speed & Pothole Override Limit
		-	(For components, refer to Figure 6.2-7)
20	(Ref.)	1	SWITCH ASSEMBLY, Tilt
		-	(For components, refer to Figure 6.3-12)
21	(Ref.)	-	HARNESS, Base Control Box and Tilt Switch
			(For components, refer to Figure 6.3-11)
22	132205	1	HARNESS ASSEMBLY, Rear manifold
	119133	1	• KIT, 8 Pole plug connector
23	(Ref.)	-	LIMIT SWITCH ASSEMBLY, Pothole protection
		-	(For components, refer to Figure 6.3-2)
24	110699	1	CAPACITOR, (0.47UF 50V)
L	(Ref.)	AR	LABELS
		-	(Refer to Figure 6.8-3)

Figure 6.6-2. Electrical Panel Assembly - ANSI/SIA and CSA (EE Rated)

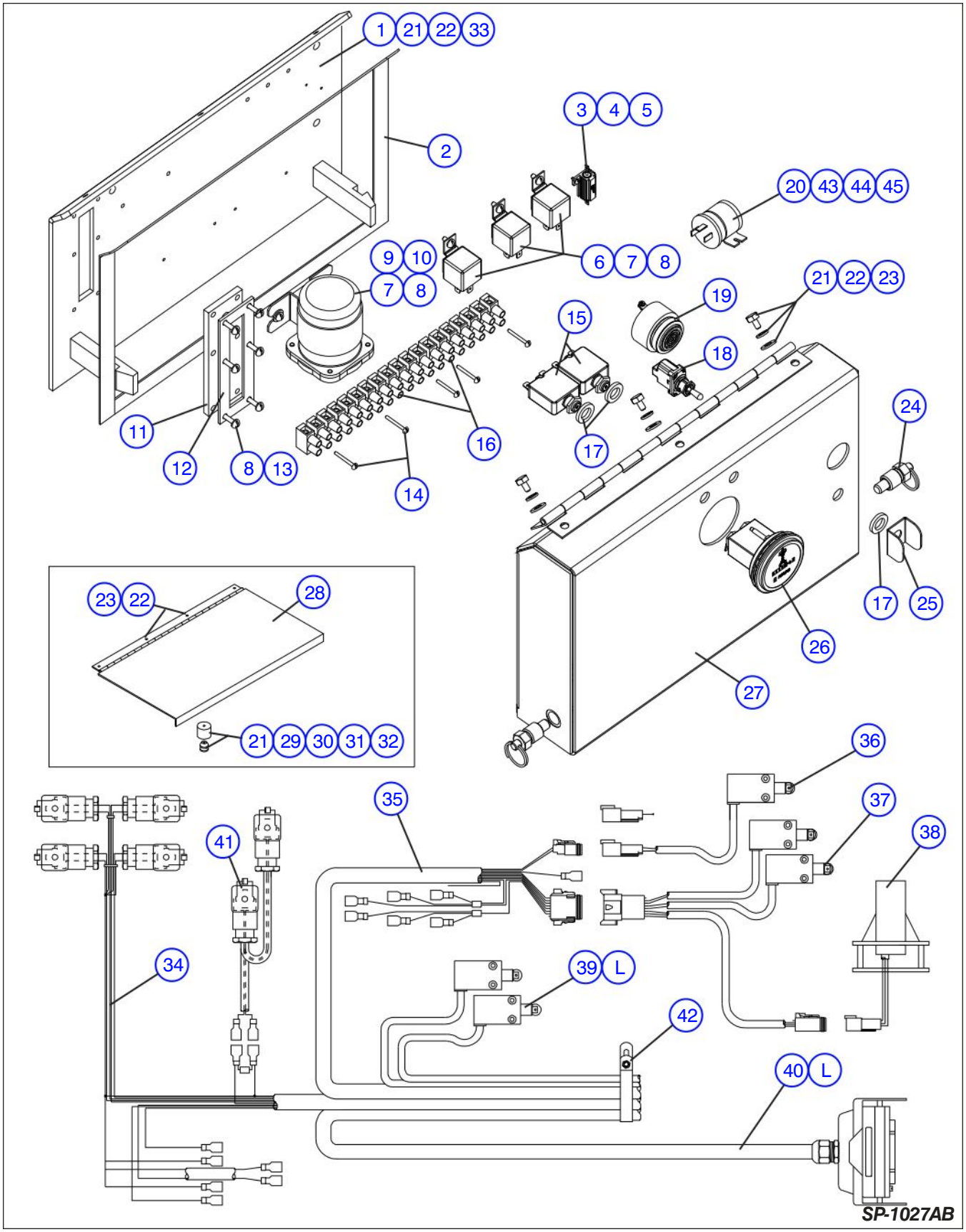


Figure 6.6-2. Electrical Panel Assembly - ANSI/SIA and CSA (EE Rated)

Index No.	Skyjack Part No.	Qty.	Description
1	126326	1	PANEL, Weldment EE
2	126783	32”	RUBBER, Self sealing 1/4” thick
	126784	14”	RUBBER, Self sealing 1/8” thick
3	115313	1	RESISTOR. 25 Watt / 30 Ohm
4	125694	2	SCREW, #4-40 x 0.25” machine
5	116068	2	WASHER, Lock #4
6	108589	3	RELAY, 24V Sealed
7	115545	5	SCREW, 10-32 x 0.375” Machine
8	104185	11	WASHER, Lock #10
9	103101	1	CONTACTOR, Solenoid
10	104694	2	WASHER, Flat #10
11	125612	1	GASKET, EE 7 hole
12	125613	1	COVER, EE gasket
13	120094	6	SCREW, #10-32 x 0.625” Machine
14	103956	5	SCREW, #6-32 x 1” machine
15	117325	2	BREAKER, 15 amp Circuit
16	103011	1	BLOCK, Terminal 12p large
	103011	1	BLOCK, Terminal 7p large
	126043	1	DIODE ASSEMBLY
17	117954	3	WASHER, Seal 7/16"
18	102853	1	SWITCH, Toggle
19	103057	1	BEEPER, 4-28VDC slow pulsing
20	(Ref.)	-	FLASHING LIGHT KIT, 12-24 Volt (option)
		-	(For components, refer to Figure 6.2-6)
	132793	1	• CLAMP, Plastic (1 1/4”)
21	103995	9	WASHER, Flat 1/4”
22	104000	12	WASHER, Lock 1/4”
23	112495	3	BOLT, Hex hd 1/4”-20 x 0.375” Gr. 5
24	112467	2	PLUNGER, Stubby pull-ring
25	111181	1	GUARD, Toggle switch
26	103336	1	METER, Hour
27	126323	1	COVER, Box weldment EE elec. panel
28	125739	1	COVER, Hinged tray
29	112447	1	KIT, Bumper
	125892	1	• BUMPER, Male
	155893	1	• BUMPER, Female
30	103855	1	BOLT, Hex hd 1/4”-20 x 1/2” Gr. 5
31	103890	1	BOLT, Hex hd 1/4”-20 x 1” Gr. 5
32	103980	1	NUT, 1/4”-20
33	103892	4	BOLT, Hex hd 1/4”-20 x 5/8” Gr. 5
34	117902	1	HARNESS ASSEMBLY, Main Manifold
35	126042	1	HARNESS ASSEMBLY, Rear manifold
	119129	1	• KIT, 2 Pole plug connector
	119133	1	• KIT, 8 Pole plug connector
36	(Ref.)	-	SWITCH ASSEMBLY, Pothole Override Limit
		-	(For components, refer to Figure 6.3-2)
37	(Ref.)	-	SWITCH ASSEMBLY, High Speed Limit
		-	(For components, refer to Figure 6.2-7)

Parts list continued on the following page.

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
38	(Ref.)	1	SWITCH ASSEMBLY, Tilt
		-	(For components, refer to Figure 6.3-13)
	119130	1	• KIT, 4 Pole receptacle connector
39	(Ref.)	-	LIMIT SWITCH ASSEMBLY, Pothole protection
		-	(For components, refer to Figure 6.3-2)
40	126041	1	CABLE ASSEMBLY, 10 Pin electrical panel control
	102888	91”	• CABLE, 16/10
	107777	1	• CONNECTOR, 10 Pin
41	129171	1	HARNESS, Holding Valve - One Lift Cylinder **(Model 3220/4620)**
	129170	1	HARNESS, Holding Valves - Two Lift Cylinders **(Model 3226/4626/4632)**
42	132794	1	CLAMP, Cable Bundle (1 3/8”)
43	103962	1	SCREW, Round head machine (#10-32 x 1/2”)
44	117952	1	WASHER, Seal (#10)
45	104003	1	NUT, Hex head (#10-32)
L	(Ref.)	AR	LABELS
		-	(Refer to Figure 6.8-3)

Figure 6.6-3. Electrical Panel Assembly (CE)

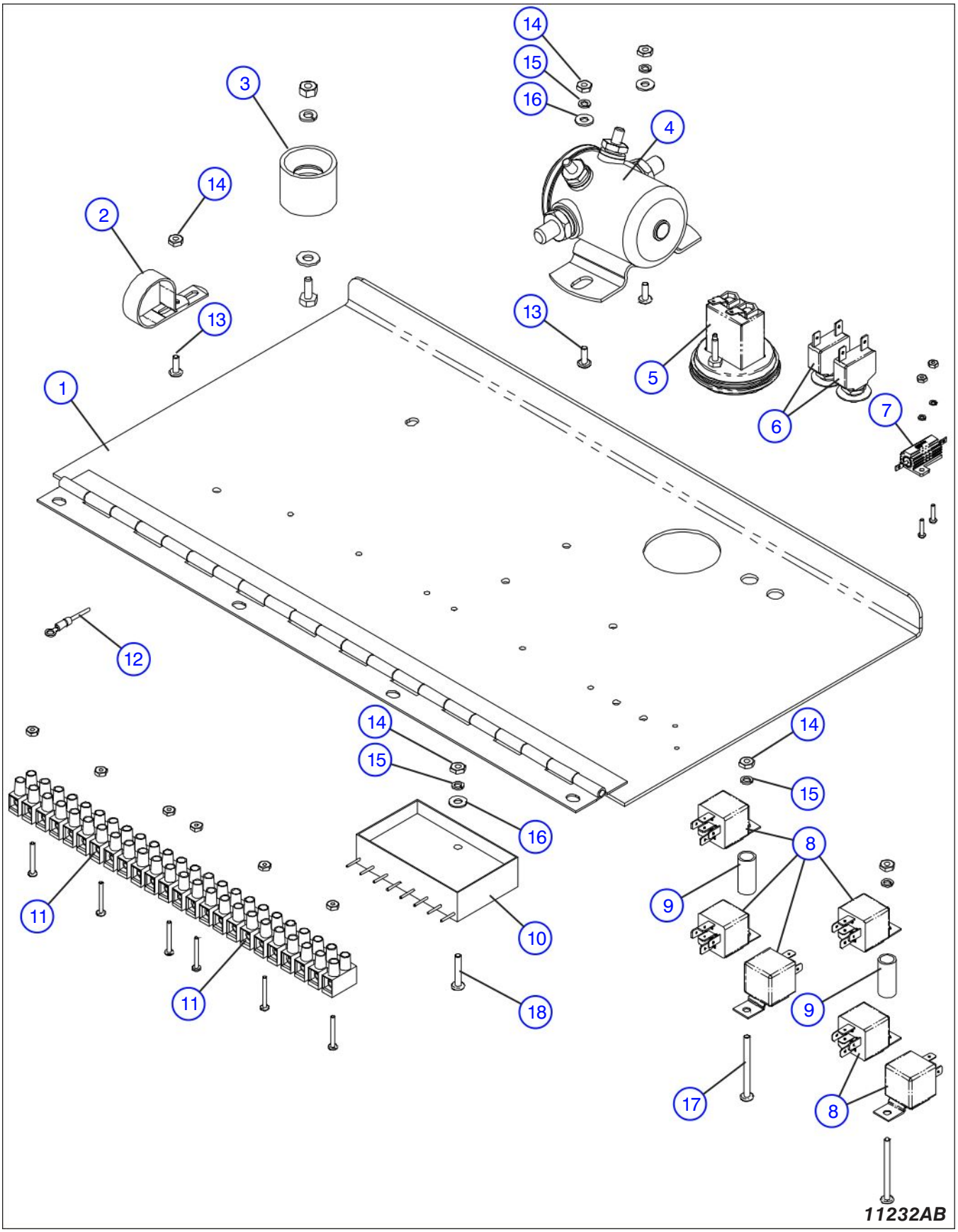
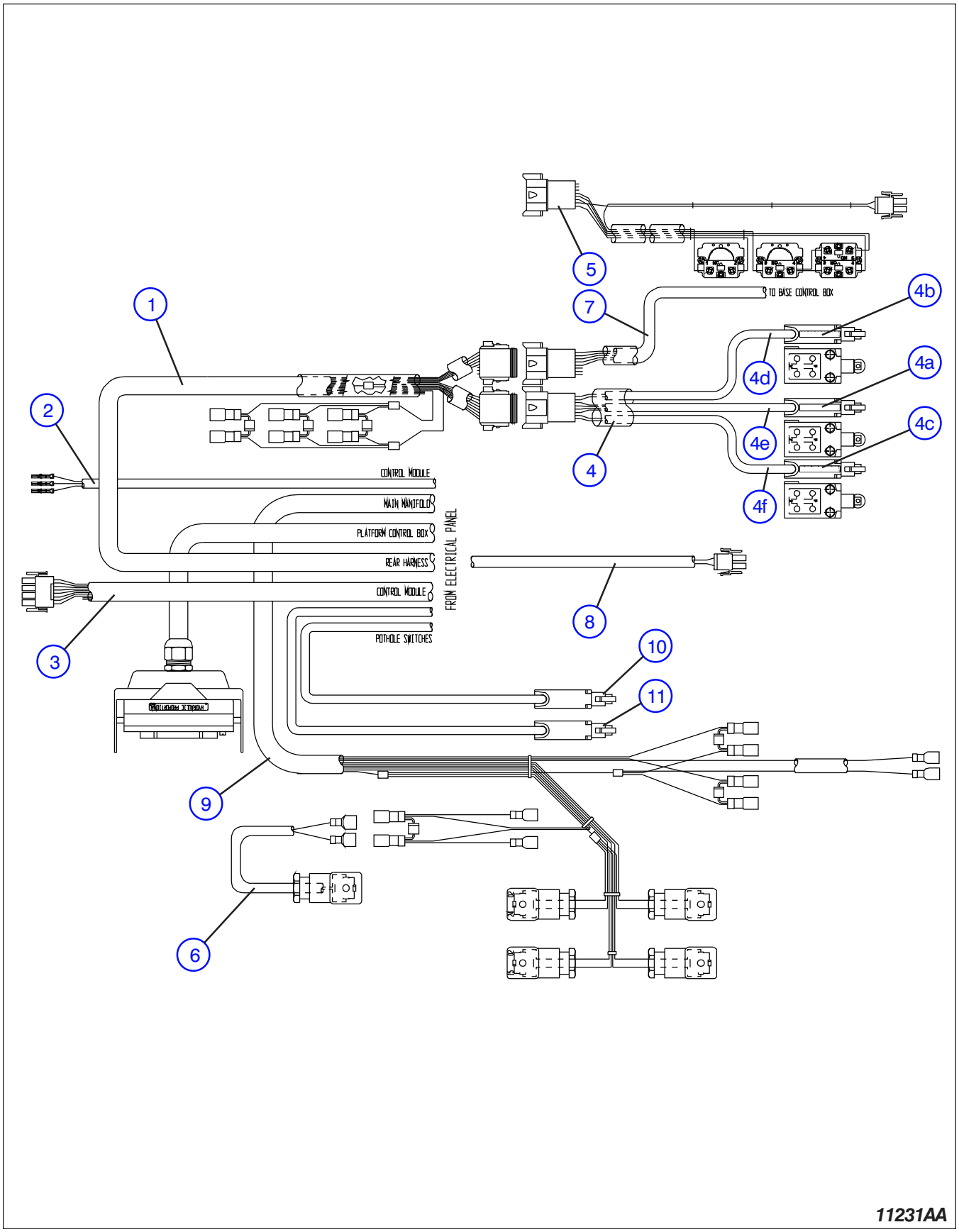


Figure 6.6-3. Electrical Panel Assembly (CE)

Index No.	Skyjack Part No.	Qty.	Description
A	130888	1	ASSEMBLY, Electrical Panel (CE)
1	130579	1	• WELDMENT, Control panel
	112495	4	• • BOLT, Hex Hd 1/4”-20 x 3/8” Gr. 5
2	132794	1	• CLAMP, Plastic cable
3	125893	1	• BUMPER, Rubber Female
	103892	1	• BOLT, Hex head 1/4”-20 x 5/8” Gr. 5
	103995	1	• WASHER, Flat 1/4”
	104000	1	• WASHER, Lock 1/4”
	103980	1	• NUT, Hex 1/4”-20
4	103101	1	• CONTACTOR, Solenoid (SPNO)
5	103336	1	• HOURMETER
6	117325	2	• BREAKER, Circuit 15 Amp
7	129182	1	• RESISTOR, Prop. speed 30 Ohms 25 Watt (Model 32XX/46XX)
	130892	1	• RESISTOR, Prop. speed 40 Ohms 25 Watt (Model 3220 with Power Deck)
	116066	2	• SCREW, Round head machine #4-40 x 1/2”
	116068	2	• WASHER, Lock #4
	116067	2	• NUT, Hex #4-40
8	108589	6	• RELAY, 24V sealed
9	116711	2	• SPACER, Relay Stand-off
10	119758	1	• MODULE, Encapsulated Diode
11	103011	2	• BLOCK, Terminal 12P
	103956	6	• SCREW, Round head #6-32 x 1.0”
	103985	6	• NUT, Hex head #6-32
12	130149	1	• HARNESS, Ground “02”
13	103962	3	• SCREW, Round head machine #10-32 x 1/2”
14	104003	6	• NUT, Hex head #10-32
15	104185	5	• WASHER, Lock #10
16	104694	3	• WASHER, Flat #10
17	104546	2	• SCREW, Round head #10-32 x 2.0”
18	105621	1	• SCREW, Round head #10-32 x 1.0”


1
2
3
4
4a
4b
4c
4d
4e
4f
5
6
7
8
9
10
11
TO BASE CONTROL BOX
CONTROL MODULE
MAIN MANIFOLD
PLATFORM CONTROL BOX
REAR HARNESS
CONTROL MODULE
POTHOLE SWITCHES
FROM ELECTRICAL PANEL

11231AA

Figure 6.6-4. Electrical Panel - Harness (CE) **AI**

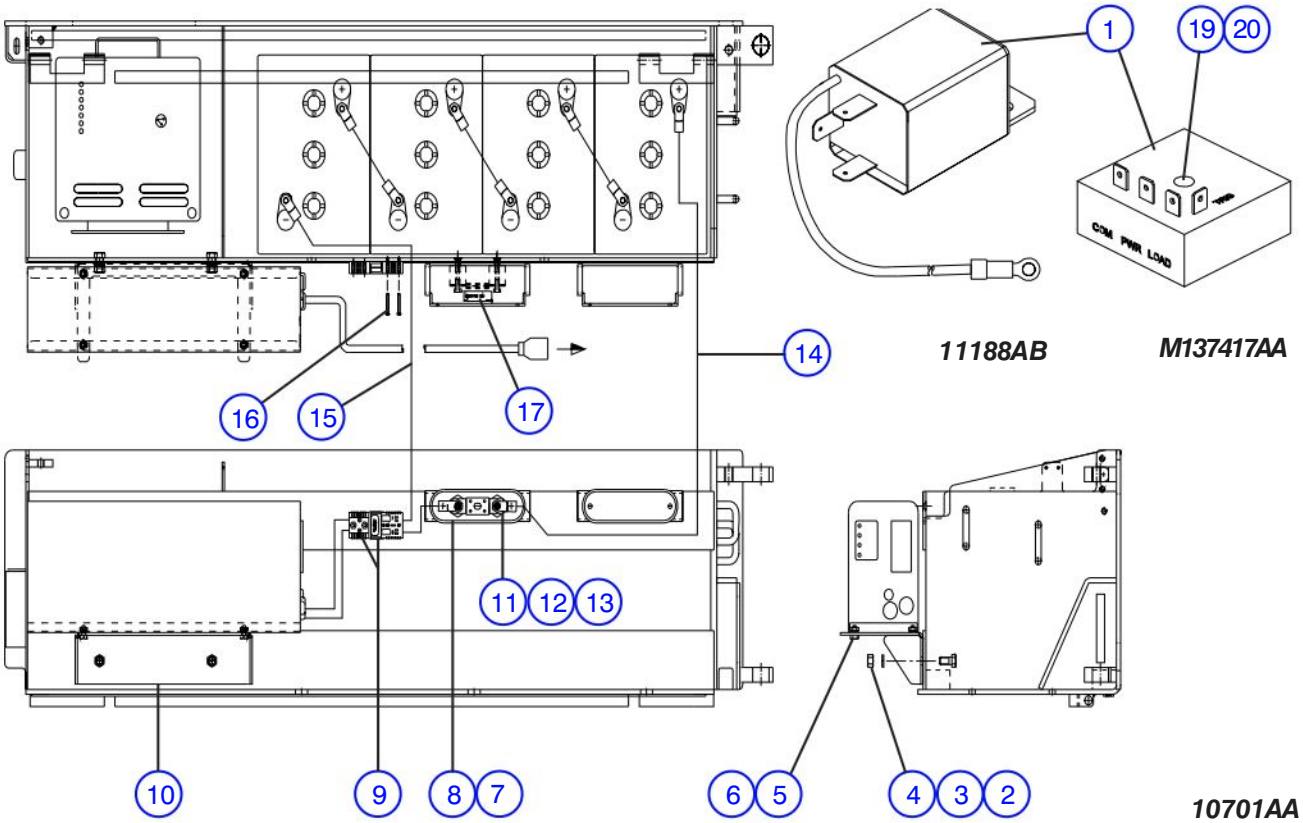
Index No.	Skyjack Part No.	Qty.	Description
1	130562	1	HARNESS, Rear Manifold/Limit Switch **(Model 3220/3226/46XX/4832)**
	102887	76”	• CABTIRE, Cable 16/15
	117583	2	• PLUG, Connector 8-Pin
	117585	2	• WEDGE, Connector Plug 8-Pin
	117593	11	• SOCKET, Connector Contact
	117594	5	• PLUG, Connector Sealing
2	130671	1	HARNESS, Relays to Control Module
	103257	108”	• CABTIRE, Cable 18/3
	116990	3	• PIN, Female Wire
3	130598	1	HARNESS, Panel Load Sensor to Control Module
	102888	98”	• CABTIRE, Cable 16/10
	116990	8	• PIN, Female Wire
	130449	1	• HOUSING, Male 12-Pole Plug
4	130559	1	HARNESS, High Speed/Override Limit Switch **(Model 3220/3226/4832)**
	133662	1	HARNESS, High Speed/Override Limit Switch **(Model 46XX)**
			(Order P/N 130559 for machines with Serial No. 66889 (4620), 709570 (4626), & below)
	133599	AR	• SWITCH ASSEMBLY, Modified Drilled Sealed **(Model 46XX)**
			(Order P/N 121975 for machines with Serial No. 66889 (4620), 709570 (4626), & below)
	121975	AR	• SWITCH ASSEMBLY, Modified Drilled Sealed **(Model 3220/3226/4832)**
	119132	1	• KIT, 8-Pole Connector
4a	113018	1	• MARKER, Brady wire #18
4b	113021	1	• MARKER, Brady wire #21
4c	113071	1	• MARKER, Brady wire #71
4d	145963	1	• LABEL, LS1A
4e	145964	1	• LABEL, LS1B
4f	145965	1	• LABEL, LS6
5	130649	1	HARNESS, Base Control with Charger Cut-Out Assembly **(Model 3215/3219)**
	103278	1	• 2-N.O. CONTACT, Switch (Up/Down)
	103100	1	• • BASE, Contact Block
	103141	2	• • BLOCK, Switch N.O.
	103280	1	• 1-N.O. CONTACT, Switch (Enable)
	103100	1	• • BASE, Contact Block
	103141	1	• • BLOCK, Switch N.O.
	103281	1	• 1-SINGLE CONTACT, Switch (Emergency Stop)
	103100	1	• • BASE, Contact Block
	103225	1	• • 1-CONTACT BLOCK, N.C.
	119132	1	• KIT, 8-Pole Connector
6	129171	1	HARNESS, Holding Valve **(Model 3220/4620)**
	119825	1	• CONNECTOR, Solenoid with Diode
	103256	69”	• CABLE, Cabtire 18/2
	129170	1	HARNESS, Holding Valve **(Model 3226/4626/4832)**
	119825	2	• CONNECTOR, Solenoid with Diode
	103256	278”	• CABLE, Cabtire 18/2

Parts list continued on the following page.

Figure 6.6-4. Electrical Panel - Harness (CE) (Continued)

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
7	(Ref.)	1	ASSEMBLY, Base Control Box **(Model 3220/3226/46XX/4832)** (For Components, Refer to Figure 6.3-11)
8	130886	1	HARNESS, Charger Cut-Out
	105269	175”	• CABTIRE, 14/3
	116992	1	• CONNECTOR, 2-Pole Plug Male
	116990	2	• PIN. Female Wire
9	132838	1	HARNESS, Main Manifold
	119825	4	• CONNECTOR, Solenoid with diode
	102921	3	• DIODE
10	125887	1	HARNESS, Pothole Battery Tray Limit Switch **(Model 3220/3226/4832)**
	133601	1	HARNESS, Pothole Battery Tray Limit Switch **(Model 46XX)**
			(Order P/N 125885 for machines with Serial No. 66889 (4620), 709570 (4626), & below)
11	125885	1	HARNESS, Pothole Hydraulic Tray Limit Switch **(Model 32XX/4832)**
	133600	1	HARNESS, Pothole Hydraulic Tray Limit Switch **(Model 46xx)**
			(Order P/N 125887 for machines with Serial No. 66889 (4620), 709570 (4626), & below)

A **&** ***B*** **- Early Model**



C **&** ***D*** **- Later Model**

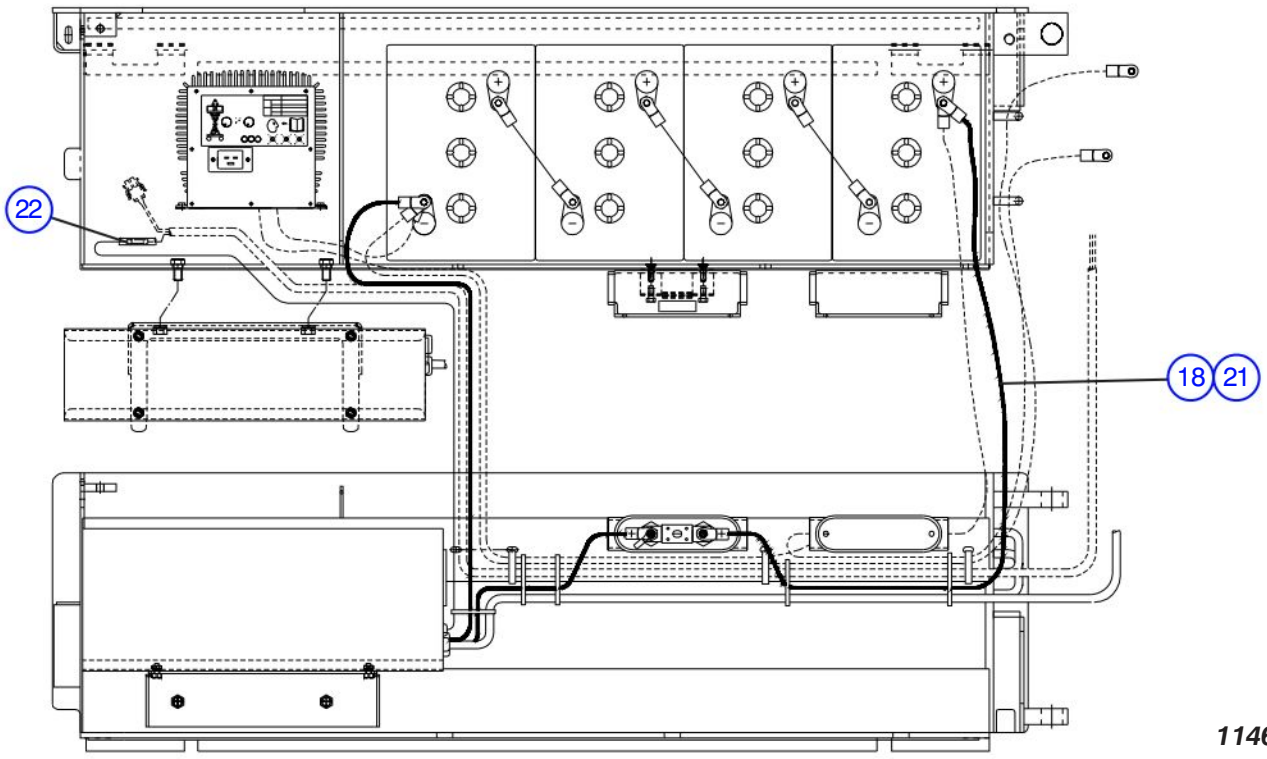


Figure 6.7-1. 24VDC Inverter **AI**

Index No.	Skyjack Part No.	Qty.	Description
A	128769	-	INVERTER, 24VDC - 120VAC @ 60 Hz **(ANSI/CSA)**
B	128770	-	INVERTER, 24VDC - 110/220VAC @ 50 Hz **(CE)**
C	135990	-	INVERTER, 24VDC - 120VAC @ 60 Hz **(ANSI/CSA)**
D	135991	-	INVERTER, 24VDC - 110/220VAC @ 50 Hz **(CE)**
1	132494	1	RELAY, Inverter Timer Cut-Off (If equipped)
	137417	1	RELAY, Inverter Timer Cut-Off (If equipped) (Refer to Section 3 for Serial No. Breakdown chart)
2	103999	2	WASHER, Lock 3/8 nom
3	104606	2	NUT, Lock Hex 3/8-16 grade B
4	103473	2	BOLT, Hex Head, 3/8-16 x 1.00 grade 5, **(CE)**
	103952	2	BOLT, Flat Head, 3/8-16 x 1.00 grade 5, **(Model 32XX & 46XX) (ANSI/CSA)**
5	103855	4	BOLT, Hex Head, 1/4-20 x 1/2 grade 5
6	104000	4	WASHER, 1/4" Lock Washer
7	119007	2	MACHINE SCREW, Flat Head 82 1/4-20 x 5/8
8	119061	1	FUSE BOX, C/W Cover
9	103364	1	CONNECTOR, 50 amp **A, B**
10	129145	1	SUPPORT, Inverter
11	103068	2	INSULATOR, Fuse
12	146442	1	FUSE, 100 AMP
13	112495	2	BOLT, Hex Head 1/4-20 x 3/8 grade 5
14	129187	1	CABLE, 4 GA, 1/4", 21 5/16 (+,+) **A, B**
15	129157	1	CONNECTOR ASSY, 50 AMP, Grey (24VDC Inverter) **A, B**
16	103955	2	MACHINE SCREW, RND HD 6-32 x 3/4 **A, B**
17	146454	1	LABEL, Inverter Fuse (100A)
18	133867	1	CABLE, 4 GA, 1/4", 25 5/16 (+,+) **C, D**
19	103858	1	BOLT, Hex head 1/4" - 20 x 1-1/4" grade 5
20	115649	1	NUT, Lock hex 1/4" - 20
21	108791	3	CLIP, Cable **C, D**
22	108503	1	CONNECTOR **C, D**

Figure 6.7-2. 24VDC Inverter Assembly

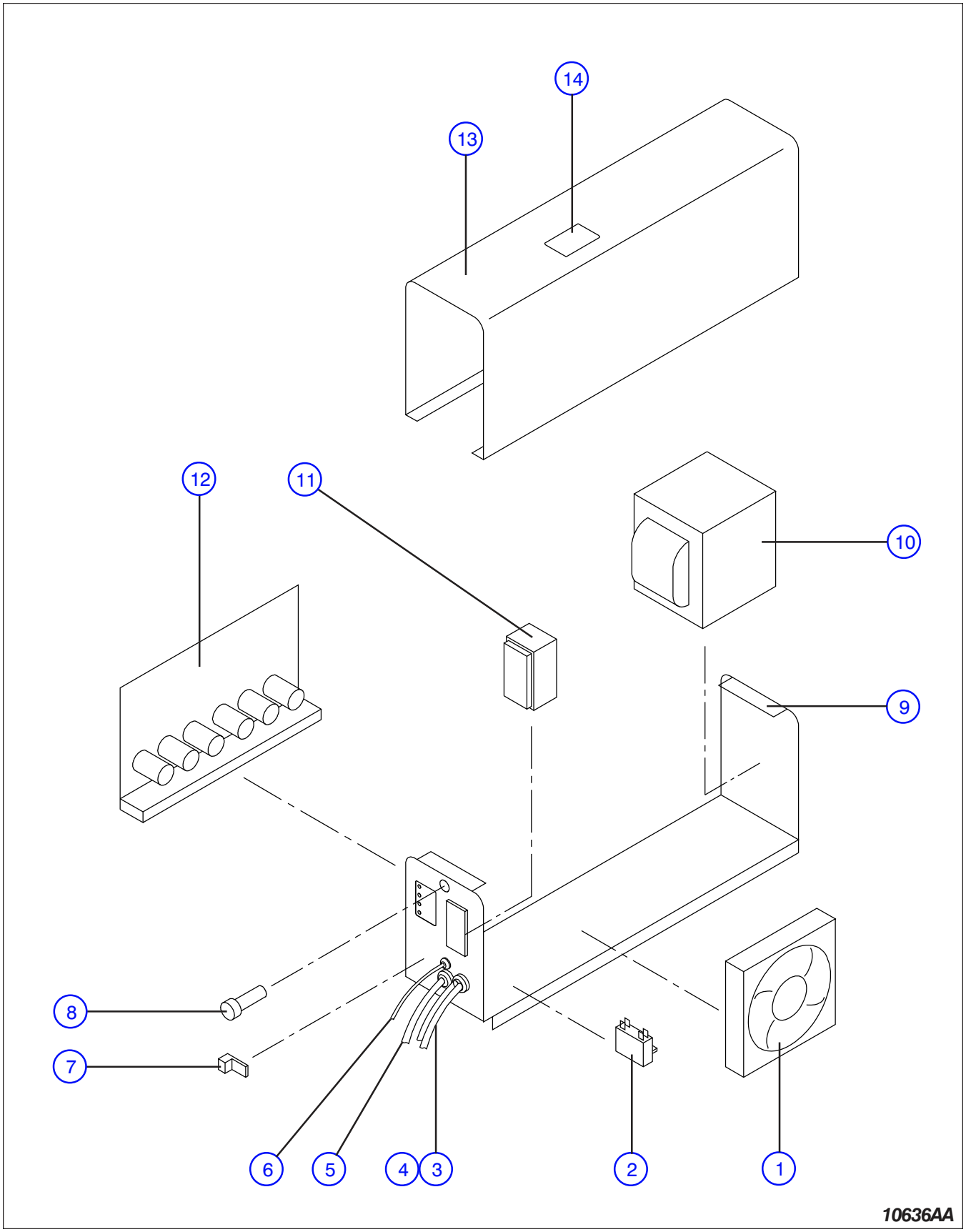
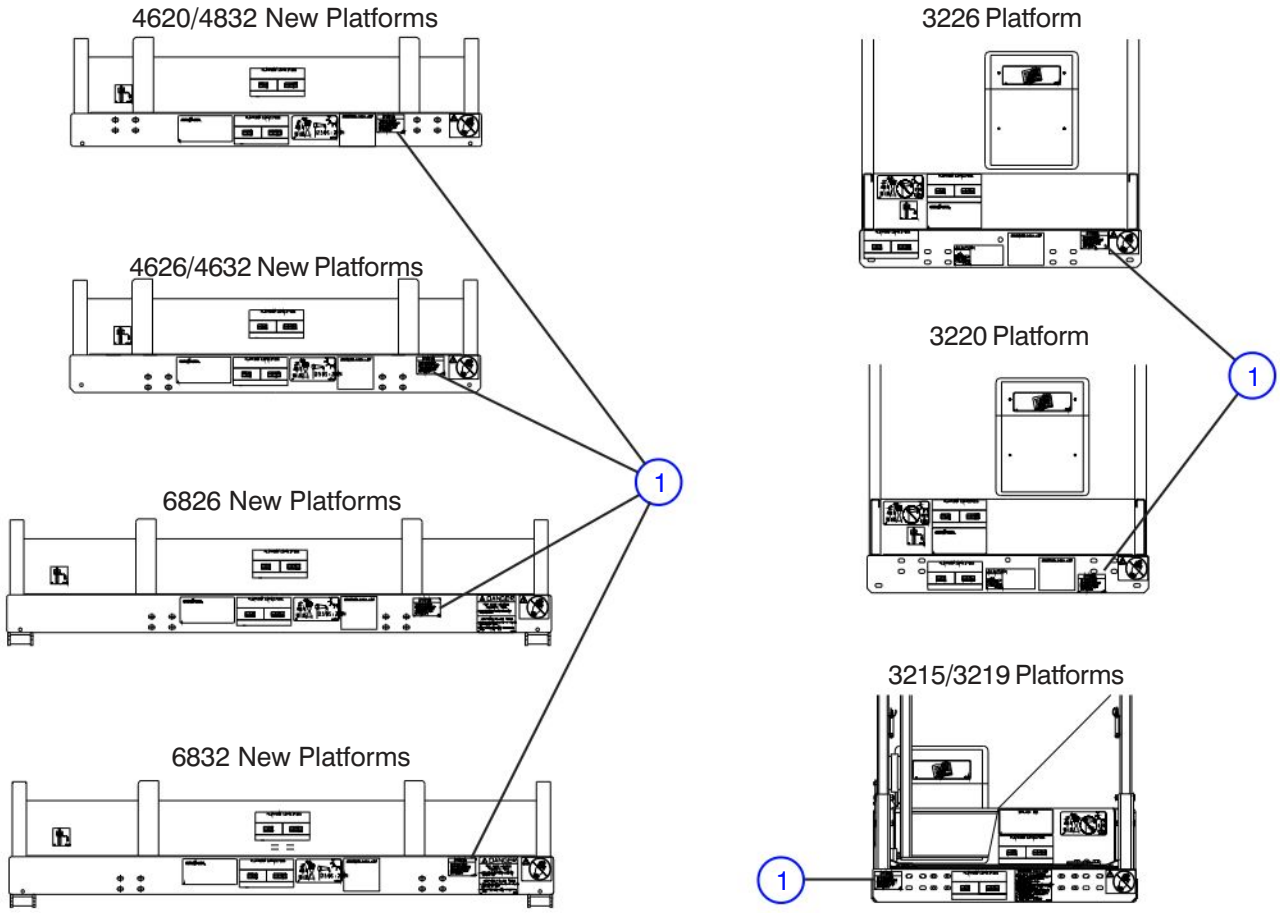


Figure 6.7-2. 24VDC Inverter Assembly

Index No.	Skyjack Part No.	Qty.	Description
A	128769	-	INVERTER, 24VDC - 120VAC @ 60 Hz **(ANSI/CSA)** **Note: Components breakdown for CE models not available.**
1	129861	1	• FAN, 80CFM
2	129862	1	• CAPACITOR, 10uF 230 VAC
3	129866	1	• TERMINAL, Black DC Input Wire W/Ring
4	129865	1	• TERMINAL, Red DC Input Wire W/Ring
5	129864	1	• CORD, Power 14-3 3Ft.
6	129863	1	• Remote On/Off Lead
7	129859	1	• Chassis Bonding Lug
8	129858	1	• Circuit Breaker 15 Amp
9	129855	1	• CASE, Chassis Assembly Z White
10	129860	1	• XFR 24/800 NX
11	129856	1	• GFCI Faceless 20 AMP, 125 VAC
12	129857	1	• PCB Assembly
13	129854	1	• CASE, Cover ZX White
14	130115	1	• LABEL, Inverter Switch

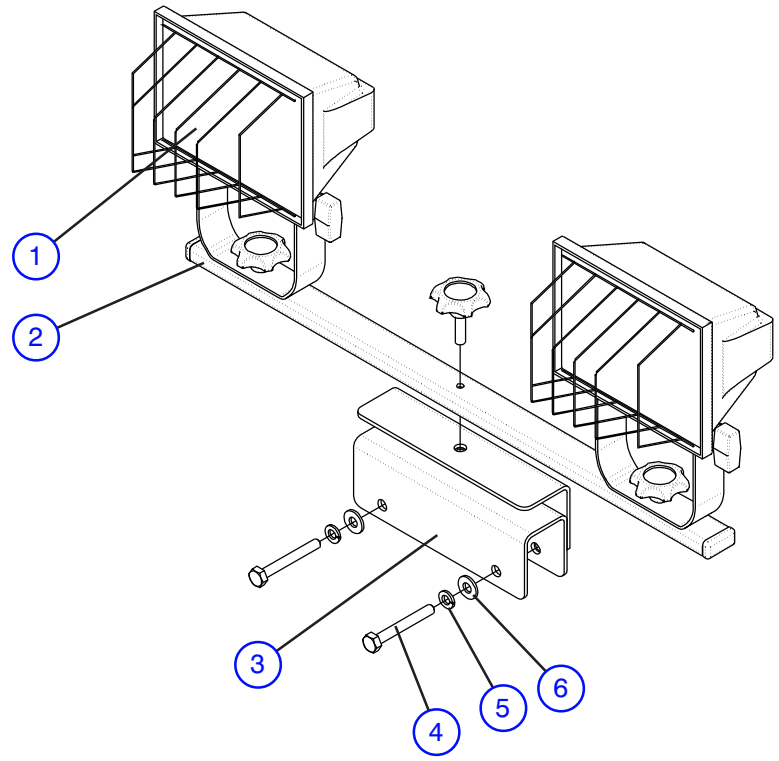
Figure 6.7-3. Inverter Label Placement



10703AA

Index No.	Skyjack Part No.	Qty.	Description
1	130115	AR	LABEL, Inverter Switch

Figure 6.7-4. Work Light Option



M137979AB

Index No.	Skyjack Part No.	Qty.	Description
-	137979	-	ASSEMBLY, Work light
1	141732	1	• BULB, 150 Watt halogen, 78 mm
2	141701	1	• WORK LIGHT, Dual 250 Watt halogen
3	138050	1	• BRACKET, Work light
4	103861	2	• BOLT, Hex head (0.25-20 x 2 grade 5)
5	104000	2	• WASHER, Lock (0.25)
6	103995	2	• WASHER, Flat (0.25)

Label Kits

The following label kits are for models SJIII 3220, 3226, 4620, 4626 & 4632. Each contains labels that are common to all machines.

It excludes:

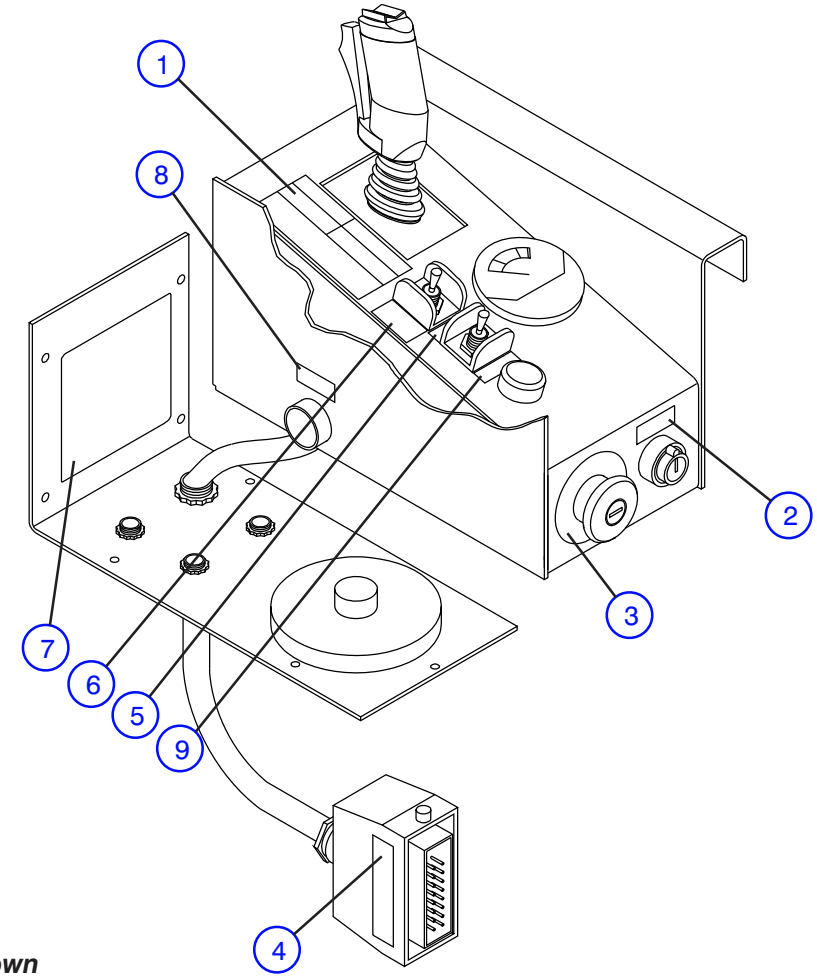
- **serial numbers**
- **nameplates**
- **registrations**
- **stripes**
- **tapes**
- **platform capacities**
- **model designations**
- **all special options**

There are two kits for these machines, one for ANSI/CSA and one for CE. Supply model number, country and language when ordering complete machine labels. Items with * are part of the label kit.

Label Kit		
MODELS	ANSI/CSA	CE
	Part # 129980	Part # 129981
3220	615767 & ABOVE	
3226	272100 & ABOVE	
4620	710000 & ABOVE	
4626		
4632		

60393AA

Figure 6.8-2 Labels - Operators Control Box



***NOTE:** CE Model Shown*

10990AB

Index No.	Skyjack Part No.	Qty.	Description
-	(Ref.)	-	(To order a complete label kit, refer to Figure 6.8-1)
*1	130434	1	LABEL, Lift/Drive Direction
*2	130637	1	LABEL, Base/Off/Platform **(ANSI/CSA Models)**
	130617	1	LABEL, Base/Off/Platform **(CE Models)**
*3	111814	1	LABEL, Emergency Stop
*4	118711	2	LABEL, “Hydraulic Proportional”
*5	130638	1	LABEL, Lift/Off/Drive
*6	116577	1	LABEL, Torque Normal/High
*7	124199	1	LABEL, Joystick Controller
*8	105352	1	LABEL, Horn
9	130639	1	LABEL, Overload **(CE)**

***Included in the label kit**

NOTE: Supply Model Number, Serial Number, Country and Language when ordering complete machine labels.

Figure 6.8-3. Labels And Nameplates - Misc

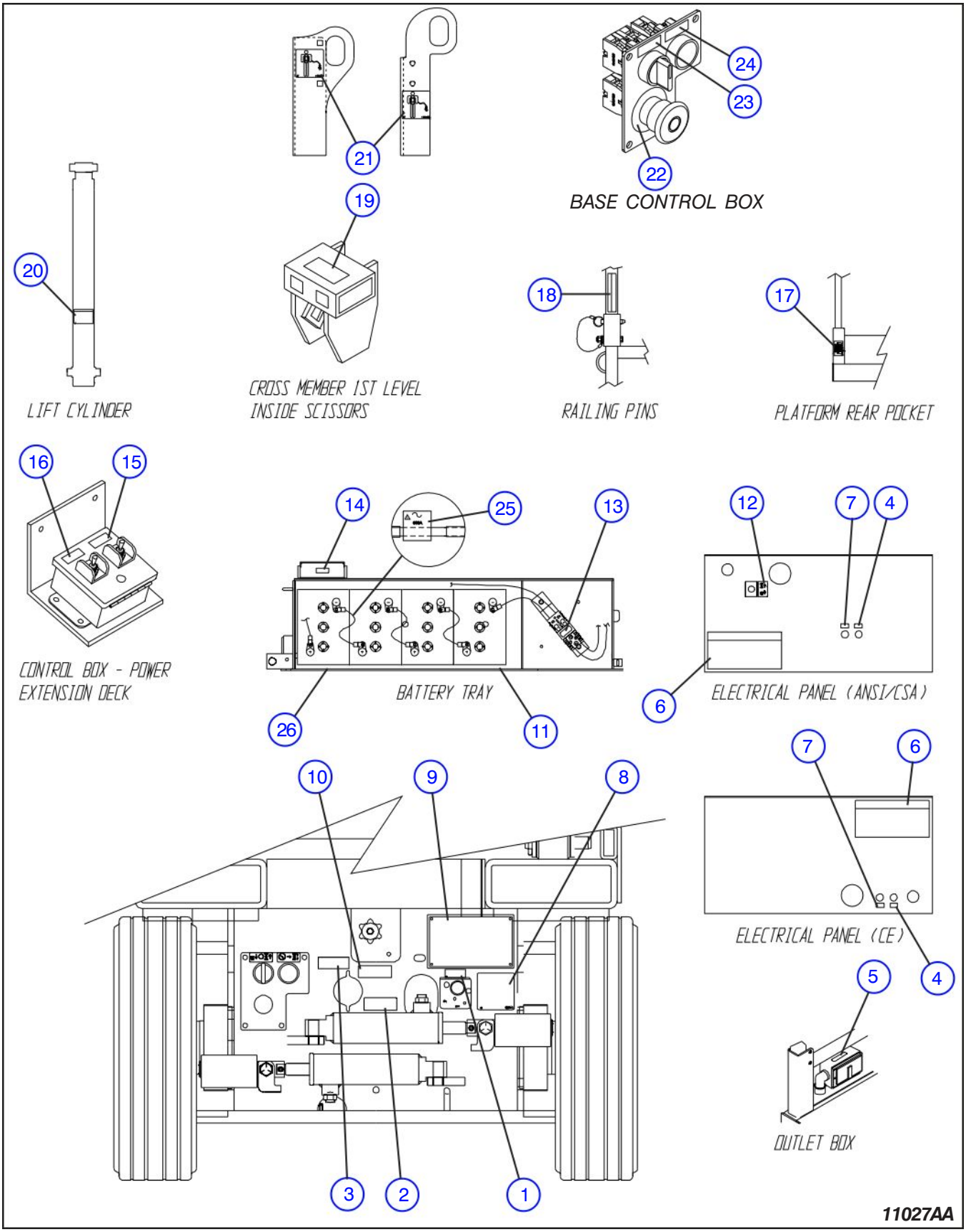


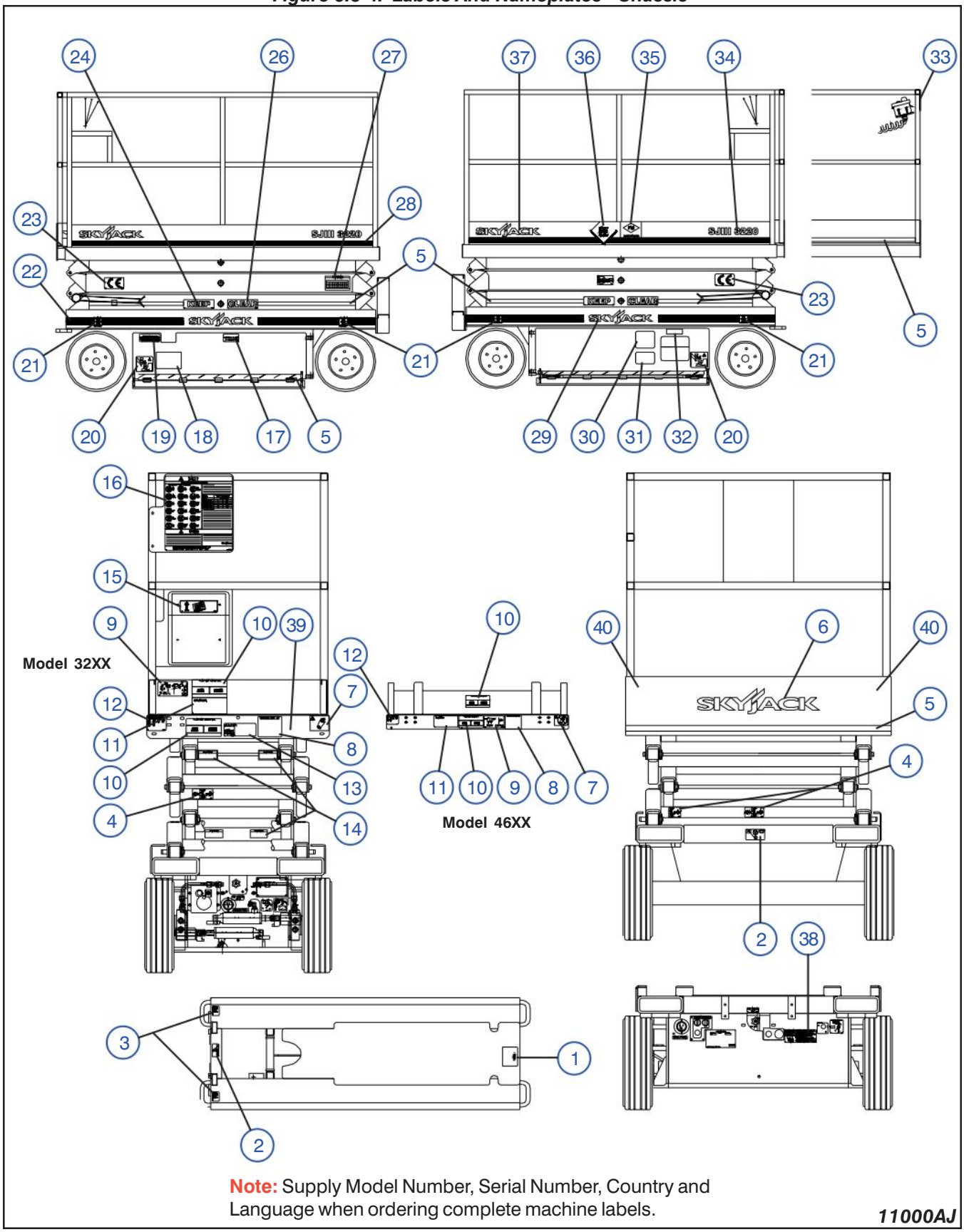
Figure 6.8-3. Labels And Nameplates - Misc

Index No.	Skyjack Part No.	Qty.	Description
-	(Ref.)	-	(To order a complete label kit, refer to Figure 6.8-1)
*1	105983	1	LABEL, Off/On (Main disconnect switch)
*2	110333	1	LABEL, Connect AC supply here
3	123274	2	LABEL, AC connection in hazardous locations **(EE rated Models Only)**
*4	117387	1	LABEL, Push to reset power
*5	201446	1	LABEL, 110 VAC **(ANSI/CSA)**
	201447	1	LABEL, 220 VAC **(CE)**
*6	108666	1	LABEL, Warning replacement parts (If equipped)
*7	117389	1	LABEL, Push to reset ground
*8	119674	1	LABEL, Battery disconnect switch location
9	133101	1	NAMEPLATE, Serial number **(ANSI/CSA)**
	133102	1	NAMEPLATE, Serial number **(CE)**
	135984	1	NAMEPLATE, Serial number-Model 3220 (For Australia/New Zealand machines only)
	135985	1	NAMEPLATE, Serial number-Model 3226 (For Australia/New Zealand machines only)
*10	103297	1	LABEL, Free-wheeling valve
*11	126032	1	LABEL, Warning “Wood Spacers” (with U2200 Batteries)
	126220	1	LABEL, Warning “Wood Spacers” (with U2500 Batteries)
*12	130803	1	LABEL, Up/Down (on electrical panel - **ANSI/CSA Models Only** (Later Models)
	103805	1	LABEL, Up/Down (on electrical panel - **ANSI/CSA Models Only** (Earlier Models)
13	115719	1	LABEL, Connect charger here **(EE rated machines)**
*14	119915	1	LABEL, Fuse (If equipped with Fuse Box)
15	132003	1	LABEL, Platform extend/retract (Powered extension platform option)
16	132004	1	LABEL, Enable (Power extension platform option)
*17	125724	2	LABEL, Rail height
*18	126056	2	LABEL, Warning, falling hazard (Vertical)
	126057	10	LABEL, Warning, falling hazard (Horizontal) **(Model 32XX)**
	126057	12	LABEL, Warning, falling hazard (Horizontal) **(Model 46XX)**
*19	109442	1	LABEL, Emergency lowering
*20	106703	2	LABEL, Orifice detail
*21	130018	7	LABEL, Safety Lanyard
*22	111814	1	LABEL, Emergency Stop
*23	129868	1	LABEL, Up/Down (Base Control Box)
*24	130790	1	LABEL, Enable Lift (Base Control Box)
*25	137276	1	LABEL, 300A +Warning (If equipped with Inline Fuse)
26	137278	1	LABEL, 300A Fuse location (If equipped with Inline Fuse)

***Included in the label kit**

NOTE: Supply Model Number, Serial Number,Country and Language when ordering complete machine labels.

Figure 6.8-4. Labels And Nameplates - Chassis



Note: Supply Model Number, Serial Number, Country and Language when ordering complete machine labels.

11000AJ

Figure 6.8-4. Labels And Nameplates - Chassis

Index No.	Skyjack Part No.	Qty.	Description
-	(Ref)	-	(To order a complete label kit, refer to Figure 6.8-1)
*1	106406	1	LABEL, Maintenance support
*2	124767	2	LABEL, Lift point/tie down
*3	102896	2	LABEL, Forklift boot
*4	127711	1	LABEL, Place safety bar here
5	119803	AR	TAPE, Caution 1”
*6	129773	1	LABEL, Skyjack, medium blue (If equipped)
*7	124362	1	LABEL, Do not wear jewelry
*8	106691	1	LABEL, Operator’s checklist
9	134460	1	LABEL, Side force/outdoor **(Model 3220/46XX)**
	126505	1	LABEL, Side force/no wind **(Model 3226)**
10	130373	2	LABEL, Platform capacities 900 (600/300), **Model 3220** (manual extension)
	130374	2	LABEL, Platform capacities 800 (500/300), **Model 3220** (powered extension)
	130318	2	LABEL, Platform capacities 500 (250/250), **Model 3226** (manual extension)
	132334	2	LABEL, Platform capacities 1300 (1000/300), **Model 4620 (ANSI/CSA)**
	130312	2	LABEL, Platform capacities 1100 (800/300), **Model 4620 (CE)**
	130315	2	LABEL, Platform capacities 1000 (700/300), **Model 4626 (ANSI/CSA)**
	130314	2	LABEL, Platform capacities 850 (550/300), **Model 4626 (CE)**
	132333	2	LABEL, Platform capacities 700 (450/250), **Model 4632**
	136270	2	LABEL, Platform capacities, **Model 3220 (AU)**
	136271	2	LABEL, Platform capacities, **Model 3226 (AU)**
*11	146525	1	LABEL, On/Off Slab **(ANSI/CSA)**
			(Order Part # 129999 for Machines with Serial #’s 27000915 (32XX), 70001170 (46XX) and Below)
	129772	1	LABEL, On/Off Slab **(CE)**
12	132209	1	LABEL, Registration (For Australia/New Zealand machines)
*13	106515	1	LABEL, Caution, brake
*14	106705	3	LABEL, Do not alter
*15	123628	1	LABEL, Manual enclosed
*16	146526	1	LABEL, Danger/Warning Info
			(Order Part # 128742 for Machines with Serial #’s 27000915 (32XX), 70001170 (46XX) and Below)
*17	108442	1	LABEL, Push to “Down” **(ANSI/CSA)**

Part list continued on the following page.

***Included in the label kit**

NOTE: Supply Model Number, Serial Number, Country and Language when ordering complete machine labels.

Figure 6.8-4. Labels And Nameplates - Chassis (Continued)

Index No.	Skyjack Part No.	Qty.	Description
			Part list continued on the following page.
-	(Ref)	-	(To order a complete label kit, refer to Figure 6.8-1)
*18	114378	1	LABEL, Hydraulic System Oil (Inside Tray)
	102961	1	LABEL, "Use Hydraulic Oil ATF Dextron III"
*19	109442	1	LABEL, Emergency lowering
*20	119866	4	LABEL, Danger, pinch hand/foot
21	132396	4	LABEL, Wheel Load **(Model 32XX)**
	132395	4	LABEL, Wheel Load **(Model 4620)**
	132394	4	LABEL, Wheel Load **(Model 4626/4632)**
22	103110	AR	STRIPE, Red/blue/red
*23	117023	2	LABEL, "CE"
*24	129838	2	LABEL, Keep
*26	129839	2	LABEL, Clear
*27	109985	1	LABEL, Annual inspection
28	103125	AR	STRIPE, White/blue
*29	129759	2	LABEL, Skyjack logo, small
30	124465	1	LABEL, Side force/outdoor **(Model 3220/46XX)**
	126505	1	LABEL, Side force/no wind **(Model 3226)**
31	121047	1	LABEL, Warning, do not disconnect **(EE-rated)**
*32	110334	1	LABEL, Battery charger connection in tray (If equipped)
*33	116038	1	LABEL, Attention, power deck (with power extension option) (If equipped)
34	129796	2	LABEL, Model Designation SJIII 3220
	129798	2	LABEL, Model Designation SJIII 3226
	129799	2	LABEL, Model Designation SJIII 4620
	129800	2	LABEL, Model Designation SJIII 4626
	132376	2	LABEL, Model Designation SJIII 4632
35	104588	2	LABEL, FM approved **(EE-rated)**
36	104589	2	LABEL, EE symbol **(EE-rated)**
*37	129758	2	LABEL, Skyjack logo, small blue
*38	136989	1	LABEL, Manual release for towing **(Model 46XX)** (For models with serial number 713315 and above)
39	146022	1	LABEL, California proposition 65 warning **(ANSI/CSA)**
40	137988	2	LABEL, Crush/punch/hazard

***Included in the label kit**

Note: Supply Model Number, Serial Number, Country, and Language when ordering complete machine labels.

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