



An Oshkosh Corporation Company

JLG Accessories Manual

JLG WORKSTATION IN THE SKY™ ACCESSORY MANUAL FOR BOOM LIFTS

3124242

November 1, 2013

ANSI

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An Oshkosh Corporation Company

FOREWORD

This manual is a very important tool! Keep it with the accessory at all times.

The purpose of this manual is to provide owners, users, operators, lessors, and lessees with the precautions and operating procedures essential for the safe and proper machine operation for its intended purpose.

Due to continuous product improvements, JLG Industries, Inc. reserves the right to make specification changes without prior notification. Contact JLG Industries, Inc. for updated information.

SAFETY ALERT SYMBOLS AND SAFETY SIGNAL WORDS



This is the Safety Alert Symbol. It is used to alert you to the potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death

⚠ DANGER

INDICATES AN IMMINENTLY HAZARDOUS SITUATION. IF NOT AVOIDED, WILL RESULT IN SERIOUS INJURY OR DEATH. THIS DECAL WILL HAVE A RED BACKGROUND.

⚠ WARNING

INDICATES A POTENTIALITY HAZARDOUS SITUATION. IF NOT AVOIDED, COULD RESULT IN SERIOUS INJURY OR DEATH. THIS DECAL WILL HAVE AN ORANGE BACKGROUND.

⚠ CAUTION

INDICATES A POTENTIALITY HAZARDOUS SITUATION. IF NOT AVOIDED, MAY RESULT IN MINOR OR MODERATE INJURY. IT MAY ALSO ALERT AGAINST UNSAFE PRACTICES. THIS DECAL WILL HAVE A YELLOW BACKGROUND.

NOTICE

INDICATES INFORMATION OR A COMPANY POLICY THAT RELATES DIRECTLY OR INDIRECTLY TO THE SAFETY OF PERSONNEL OR PROTECTION OF PROPERTY.

⚠ WARNING

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NOTICE

JLG INDUSTRIES, INC. MUST BE NOTIFIED IMMEDIATELY IN ALL INSTANCES WHERE JLG PRODUCTS HAVE BEEN INVOLVED IN AN ACCIDENT INVOLVING BODILY INJURY OR DEATH OF PERSONNEL OR WHEN SUBSTANTIAL DAMAGE HAS OCCURRED TO PERSONAL PROPERTY OR THE JLG PRODUCT.

FOR :

- Accident Reporting
- Product Safety Publications
- Current Owner Updates
- Questions Regarding Product Safety
- Standards and Regulations Compliance Information
- Questions Regarding Special Product Applications
- Questions Regarding Product Modifications

CONTACT :

Product Safety and Reliability Department
JLG Industries, Inc.
13224 Fountainhead Plaza
Hagerstown, MD 21742
USA

or Your Local JLG Office
(Addresses on back of manual cover)

In USA:

Toll Free: 877-JLG-SAFE
877-554-7233

Outside USA:

Phone: 240-420-2661
Fax: 301-745-3713
E-mail: ProductSafety@JLG.com

REVISION LOG

REVISION LOG

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ACCESSORY - MODEL APPLICATION

MODEL	SKYGLAZIER™***	SKYPOWER™ (BELT DRIVEN)	SKYPOWER™ (HYDRAULICALLY DRIVEN)	SKYWELDER™**	SKYCUTTER™**	SKYCUTTER/ SKYWELDER™ COMBO**	SKYAIR**	SKYCLEANER™
BOOM LIFTS								
18RS	N/A	X ^{2,6}	N/A	X ^{2,6}	N/A	N/A	N/A	Refer to SKYSAW™ Manuals (3121147, 3121148, 3121149)
24RS	N/A	X ^{2,6}	N/A	X ^{2,6}	N/A	N/A	N/A	
400S	X ^{1,2,3,4}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3****}	X ^{1,2,3}	
450A Series II	X ^{1,3,5}	X ⁹	N/A	X ^{1,3}	X ^{1,2,3,6}	N/A	N/A	
450AJ Series II	X ^{1,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	N/A	N/A	
460SJ	X ^{1,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3****}	X ^{1,2,3}	
510AJ	X ^{1,5}	X ^{2,4,5,6}	N/A	N/A	N/A	N/A	N/A	
600A	X ^{1,3,5,7,8}	X ^{1,2,3,4,5,6,7}	N/A	X ^{1,2,3,4,5,6,7}	X ^{1,2,3,6,7,8}	X ⁹	N/A	
600AJ	X ^{1,3,5}	X ^{1,2,3,4,5,6,7}	N/A	X ^{1,2,3,4,5,6,7}	X ^{1,2,3,6,7,8}	X ⁹	N/A	
600S	X ^{1,3,5,7,8}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3,6****}	X ^{1,2,3,6}	
600SC	X ^{1,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3}	X ^{1,2,3}	X ^{1,2,3}	
600SJ	X ^{1,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3,6****}	X ^{1,2,3,6}	
660SJ	X ^{1,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3,6****}	X ^{1,2,3,6}	
660SJC	X ^{1,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3}	X ^{1,2,3}	X ^{1,2,3}	
800A	X ^{1,2,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3****}	X ^{1,2,3}	
800AJ	X ^{1,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3****}	X ^{1,2,3}	
800S	X ^{1,2,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3****}	X ^{1,2,3}	
860SJ	X ^{1,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3****}	X ^{1,2,3}	
1100SJP	N/A	X ²	N/A	X ²	N/A	N/A	N/A	
1200SJP*	X ^{1,2,3,4,5}	X ⁹	X ⁹	X ⁹	X ^{1,2,3,6}	X ^{1,2,3,5,6}	N/A	
1250AJP*	X ^{1,2,3,4,5}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3}	N/A	
1350SJP*	X ^{1,2,3,4,5}	X ⁹	X ⁹	X ⁹	X ^{1,2,3,6}	X ^{1,2,3,5,6}	N/A	
1500SJ*	X ^{1,3,5}	X ⁹	N/A	X ⁹	X ^{1,2,3,6}	X ^{1,2,3,5,6}	N/A	
E/M600/J/JP	X ^{1,2,3}	N/A	N/A	N/A	N/A	N/A	N/A	

Accessories N/A on 150HAX - E300AJ/AJP - 340AJ - E/M400A/AJP - E/M450A/AJ - 680S - 740AJ - 1100S

FOOTNOTES

** Requires SKYPOWER™	Available Markets:	1. ANSI	4. CE	7. All Markets
*** Requires Side Entry Platform		2. ANSI Export	5. Australia	
**** Requires SKYPOWER™ & SKYAIR		3. CSA	6. Japan	



*** INSTALLING OR REMOVING ACCESSORIES OR CHANGING PLATFORM SIZE REQUIRES RE-CALIBRATION OF THE BOOM CONTROL SYSTEM. (SEE MODEL SERVICE AND MAINTENANCE MANUAL.)**

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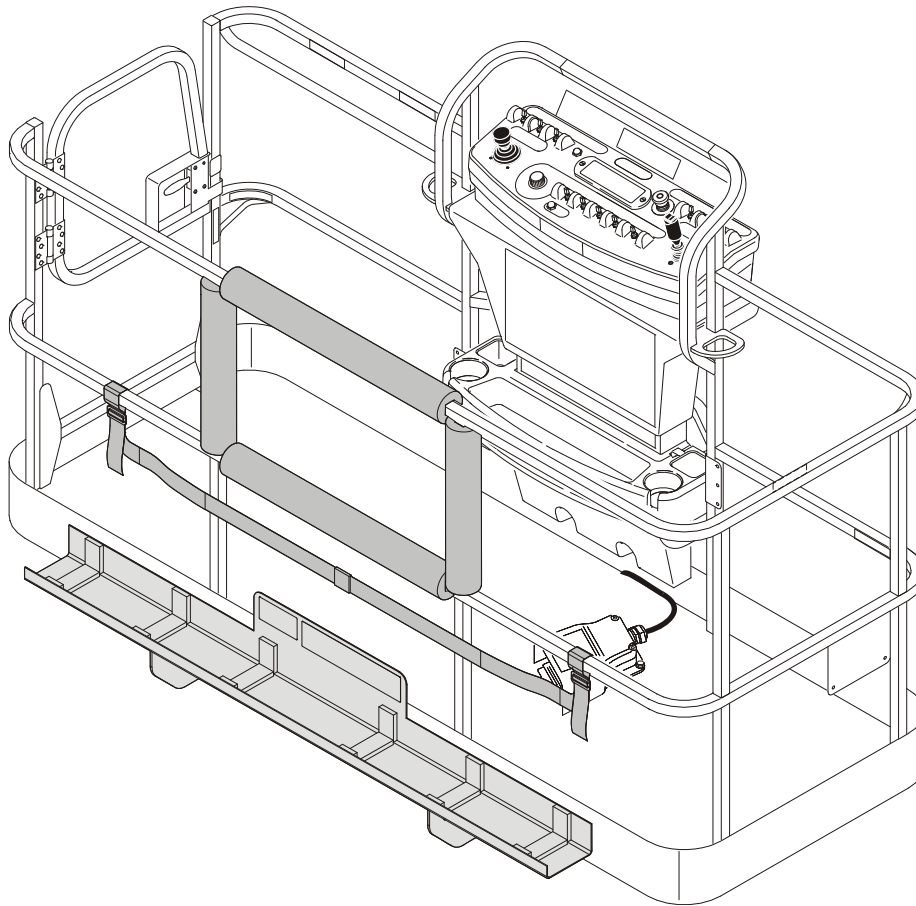
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SECTION 1 SKYGLAZIER™

Boom Lift Platform - Plate Glass Carrier



PRODUCT USE

This product is available for use on the following JLG products

400S ¹	450A S II ¹	450AJ S II ¹	460SJ ¹	510AJ ¹
600A ¹	600AJ ¹	600S ¹	600SC ¹	600SJ ¹
660SJ ¹	660SJC ¹	800A ¹	800AJ ¹	800S ¹
860SJ ¹	1200SJP ^{1,2}	1250AJP ^{1,2}	1350SJP ^{1,2}	1500SJ ^{1,2}

E/M600/J/JP¹

Footnotes: ¹ See Accessory - Model Application Chart for Market Availability.

⚠ WARNING

² **INSTALLING OR REMOVING APPROVED ACCESSORIES OR CHANGING PLATFORM SIZE REQUIRES RECALIBRATION OF THE BOOM CONTROL SYSTEM. (SEE SPECIFIC MODEL SERVICE AND MAINTENANCE MANUAL).**

SECTION 1 - SKYGLAZIER™

DESCRIPTION

This accessory is designed to allow the glaziers to efficiently position panels. The glazier package will consist of a tray which extends from the bottom of the platform. The panel will rest on the tray and against top-rail of the platform, which is padded to prevent damage to the panel. The accessory includes a strap to secure the panel to the platform rail. The SkyGlazier™ can only be utilized with a side entry platform.

SPECIFICATIONS

Table 1. - Specifications for Machines with SkyGlazier™ Installed - Part 1 of 3

	E/M600/J/JP	400S	450A SII	450AJ SII	460SJ	510AJ	600A
Total Platform Capacity* - 227kg/500lbs capacity zone w/tray installed (ANSI Specs)	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.
Total Platform Capacity* - 230kg/500lbs capacity zone w/tray installed (CE Spec)	N/A	180kg/ 400 lb.	N/A	N/A	N/A	N/A	N/A
Total Platform Capacity* - 454kg/1000 lbs capacity zone w/tray installed (ANSI Spec)	N/A	340kg/ 750 lb.	N/A	N/A	N/A	N/A	340kg/ 750 lb.
Total Platform Capacity* - 450kg/1000 lbs capacity zone w/tray installed (CE Spec)	N/A	340kg/ 750 lb.	N/A	N/A	N/A	N/A	N/A
Platform Size	0.762m x 1.82m/ 30in. x 72in.	0.914m x 2.43m/ 36in. x 96in.	0.762m x 1.82m/ 30in. x 72in.	0.762m x 1.82m/ 30in. x 72in.	0.762m x 1.82m/ 30in. x 72in.	0.762m x 1.82m/ 30in. x 72in.	0.914m x 2.43m/ 36in. x 96in.
Required Platform Type	Side Entry	Side Entry	Side Entry	Side Entry	Side Entry	Side Entry	Side Entry
Max. Tray Capacity in 227 kg / 500lbs capacity zone (ANSI Spec)	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.
Max. Tray Capacity in 230kg / 500lbs capacity zone (CE Spec)	N/A	68kg/ 150 lb.	N/A	N/A	N/A	N/A	N/A
Max. Tray Capacity in 454kg / 1000 lbs capacity zone (ANSI Spec)	N/A	250 lb. (110 kg)	N/A	N/A	N/A	N/A	250 lb. (110 kg)
Max. Tray Capacity in 450kg / 1000 lbs capacity zone (CE Spec)	N/A	250 lb. (110 kg)	N/A	N/A	N/A	N/A	N/A
Max. Dimensions of panel	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft
* Total Platform Capacity is defined as platform capacity + tray capacity.							

SECTION 1 - SKYGLAZIER™

Table 2. - Specifications for Machines with SkyGlazier™ Installed - Part 2 of 3

	600AJ	600S	600SC	600SJ	660SJ	600SJC	800A
Total Platform Capacity* - 227kg/500lbs capacity zone w/tray installed (ANSI Specs)	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.
Total Platform Capacity* - 230kg/500lbs capacity zone w/tray installed (CE Spec)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Platform Capacity* - 454kg/1000 lbs capacity zone w/tray installed (ANSI Spec)	N/A	340kg/ 750 lb.	340kg/ 750 lb.	NA	N/A	N/A	340kg/ 750 lb.
Total Platform Capacity* - 450kg/1000 lbs capacity zone w/tray installed (CE Spec)	N/A	N/A	N/A	NA	N/A	N/A	N/A
Platform Size	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.
Required Platform Type	Side Entry	Side Entry	Side Entry	Side Entry	Side Entry	Side Entry	Side Entry
Max. Tray Capacity in 227 kg / 500lbs capacity zone (ANSI Spec)	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.
Max. Tray Capacity in 230kg / 500lbs capacity zone (CE Spec)	68kg/ 150 lb.	N/A	N/A	N/A	N/A	N/A	N/A
Max. Tray Capacity in 454kg / 1000 lbs capacity zone (ANSI Spec)	N/A	113kg/ 250 lb.	113kg/ 250 lb.	N/A	N/A	N/A	113kg/ 250 lb.
Max. Tray Capacity in 450kg / 1000 lbs capacity zone (CE Spec)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Max. Dimensions of panel	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft
* Total Platform Capacity is defined as platform capacity + tray capacity.							

SECTION 1 - SKYGLAZIER™

Table 3. - Specifications for Machines with SkyGlazier™ Installed - Part 3 of 3

	800AJ	800S	860SJ	**1200SJP	**1250AJP	**1350SJP	**1500SJ
Total Platform Capacity* - 227kg/500lbs capacity zone w/tray installed (ANSI Specs)	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.
Total Platform Capacity* - 230kg/500lbs capacity zone w/tray installed (CE Spec)	180kg/ 400 lb.	N/A	N/A	180kg/ 400 lb.	180kg/ 400 lb.	180kg/ 400 lb.	N/A
Total Platform Capacity* - 454kg/1000 lbs capacity zone w/tray installed (ANSI Spec)	N/A	340kg/ 750 lb.	270kg/ 590 lb.***	340kg/ 750 lb.	340kg/ 750 lb.	340kg/ 750 lb.	340kg/ 750 lb.
Total Platform Capacity* - 450kg/1000 lbs capacity zone w/tray installed (CE Spec)	N/A	N/A	N/A	340kg/ 750 lb.	340kg/ 750 lb.	340kg/ 750 lb.	N/A
Platform Size	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.	0.914m x 2.43m/ 36in. x 96in.
Required Platform Type	Side Entry	Side Entry	Side Entry	Side Entry	Side Entry	Side Entry	Side Entry
Max. Tray Capacity in 227 kg / 500lbs capacity zone (ANSI Spec)	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.
Max. Tray Capacity in 230kg / 500lbs capacity zone (CE Spec)	68kg/ 150 lb.	N/A	N/A	68kg/ 150 lb.	68kg/ 150 lb.	68kg/ 150 lb.	N/A
Max. Tray Capacity in 454kg / 1000 lbs capacity zone (ANSI Spec)	N/A	113kg/ 250 lb.	113kg/ 250 lb.	113kg/ 250 lb.	113kg/ 250 lb.	113kg/ 250 lb.	113kg/ 250 lb.
Max. Tray Capacity in 450kg / 1000 lbs capacity zone (CE Spec)	N/A	N/A	N/A	113kg/ 250 lb.	113kg/ 250 lb.	113kg/ 250 lb.	N/A
Max. Dimensions of panel	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft	3 m ² / 32 sq ft

* Total Platform Capacity is defined as platform capacity + tray capacity.

*** Total Platform Capacity for 860SJ in 340kg / 750lbs Zone.

⚠ WARNING

****INSTALLING OR REMOVING APPROVED ACCESSORIES OR CHANGING PLATFORM SIZE REQUIRES RECALIBRATION OF THE BOOM CONTROL SYSTEM. (SEE MODEL SERVICE AND MAINTENANCE MANUAL).**

SAFETY PRECAUTIONS

General

NOTICE

READ AND UNDERSTAND THE OPERATORS MANUAL FOR THE SPECIFIC JLG MODEL BEING USED. MAKE SURE LOAD IS SECURED WITH LOAD STRAP.

⚠ WARNING

DO NOT OVERLOAD TRAY OR PLATFORM. TOTAL MACHINE CAPACITY IS REDUCED WHEN TRAY IS INSTALLED.

⚠ WARNING

WITH THE SKYGLAZIER INSTALLED, THE ORIGINAL PLATFORM CAPACITY RATINGS ARE REDUCED AS SPECIFIED IN TABLE 2. DO NOT EXCEED THE NEW PLATFORM CAPACITY RATING. REFER TO CAPACITY DECAL LOCATED ON TRAY.

⚠ DANGER

AN INCREASE OF THE AREA EXPOSED TO THE WIND WILL DECREASE STABILITY. LIMIT PANEL AREA TO 32 SQ.FT. (3 SQ.M)

1. Make sure no personnel are beneath platform.
2. Do not exit platform over rails or stand on rails.
3. Only use this option on models specified.
4. Remove tray when not in use.

PREPARATION AND INSPECTION

1. Check for cracked welds and damage to tray. Make sure tray is properly secured to platform.
2. Check to ensure strap is not torn or frayed.

OPERATION

- Load SkyGlazier™ with panel and secure with strap. Position panel to its desired location.

SERVICE AND MAINTENANCE

- Replace torn or frayed straps, bent or crushed tray, missing or illegible decals.
- Check for loose nuts and bolts and Torque loose nuts and bolts to JLG Torque Chart specifications.

SECTION 1 - SKYGLAZIER™

INSTALLATION AND REMOVAL (AFTER MARKET KITS)

8.2k Rotator (9 Hole Configuration) (2902231) and 9k Rotator (7 Hole Configuration) (2902232) Glazier Kit Installation

NOTE: For side entry platforms only.

1. Install platform support (4846573) or(4846616) onto rotator.
 - a. (2902231) Insert (8) 3/8-16 x1" or (2902232) Insert (6) 1/2-13 x 1" bolts w/loctite #242 and torque to 50-55 lbs-ft.
 - b. (2902231) Insert the 1-8x10 1/4" or (2902232) 1-8x11" bolt through the center and torque nut to 480 lbs-ft.
2. Install Glazier base (1001099366 - left & 1001099367 - right) and platform (3510822) onto the platform support.
 - a. Align base hole pattern with the hole pattern in the platform support.
 - b. Place platform onto the base and align similarly.
 - c. Secure with supplied hardware (8) 1/2-13x21/2" bolts, (16) 1/2" washers, and (8) 1/2" nuts and loctite #242. Then torque to 85 lbs-ft.
3. Replace control box and foot switch with existing hardware.
4. Mount Glazier tray (1001101421) onto Glazier base.
 - a. Secure tray with supplied hardware (4) 3/4-10x2" bolts, (4) 3/4" nuts, and (8) 3/4 washers and torque to 260 lbs-ft.
5. Install bumper and strap kit as shown.
6. To remove reverse instructions.

NOTE: Models 1200SJP, 1250AJP, 1350SJP and 1500SJ must be recalibrated. Refer to Service and Maintenance Manual for calibration procedure.



NOTES:

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SECTION 1 - SKYGLAZIER™

PARTS

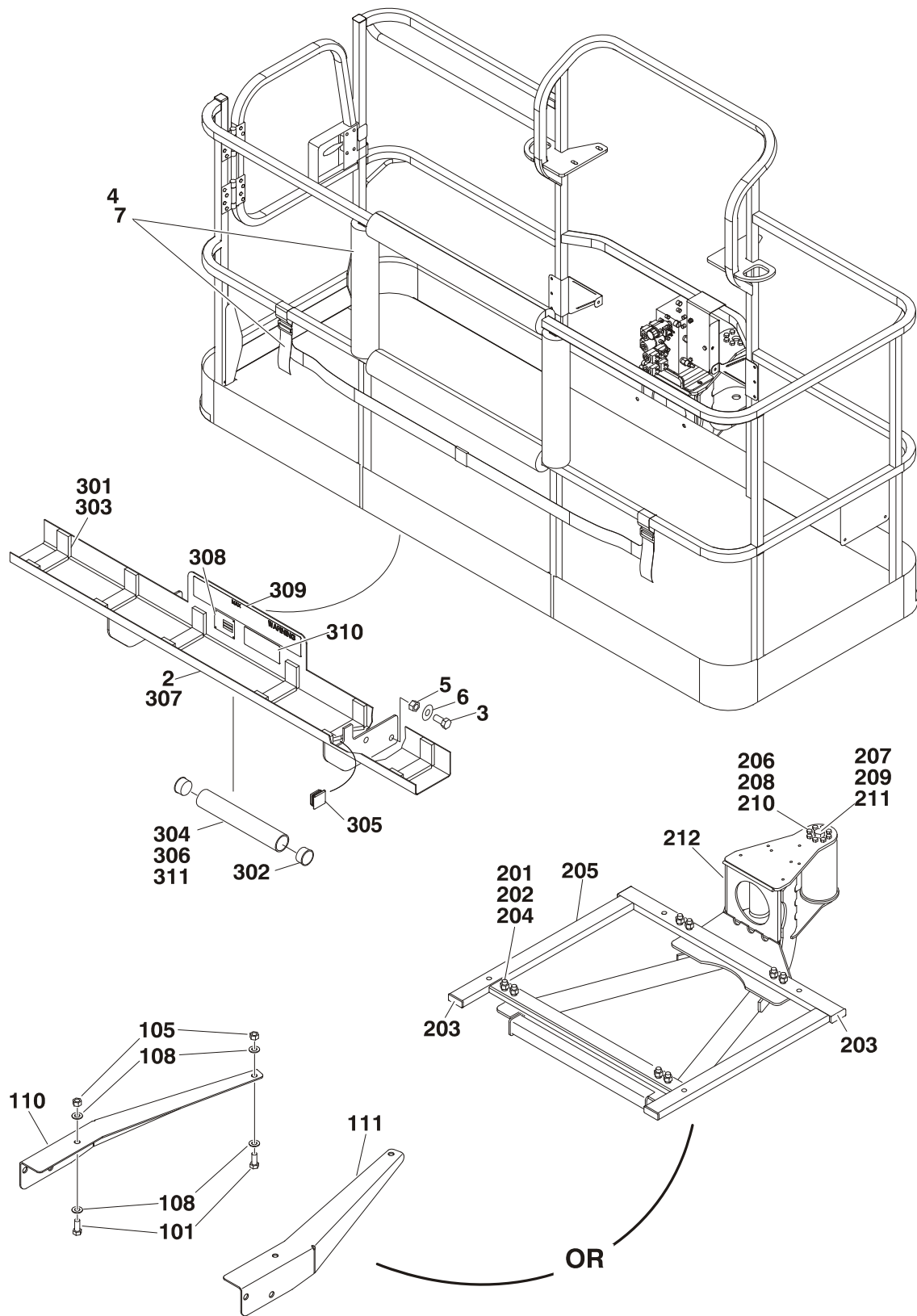


Figure 1-1. SkyGlazier™ Parts Drawing

SECTION 1 - SKYGLAZIER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 1-1.		SKYGLAZIER™ INSTALLATIONS	Ref.	
		400S, 460SJ, 600A/AJ, 600S/SJ, 660SJ, 600SC/SJC, 800A/AJ, 800S, 860SJ, 1200SJP, 1250AJP & 1350SJP	Ref.	
	1001101422	ANSI, CSA & Australian Specs (without LSS - was p/n 0272395, 0274362, 1001099376 & 1001099423)	Ref.	A
	1001102647	Australian Spec (with LSS)	Ref.	A
	1001099422	Brazil (Portuguese Language) Spec (was p/n 0272955)	Ref.	A
	1001099421	Latin American (Spanish Language) Spec (was p/n 0272387)	Ref.	A
	1001099436	CE French Spec (with LSS - was p/n 0272953)	Ref.	A
	1001099437	CE German Spec (with LSS - was p/n 0272954)	Ref.	A
	1001099439	CE Italian Spec (with LSS - was p/n 0272956)	Ref.	A
	1001099438	CE Portugal (Portuguese Language) Spec (with LSS - was p/n 0240100)	Ref.	A
	1001099435	CE Spain (Spanish Language) Spec (with LSS - was p/n 0240099)	Ref.	A
		CE Sweden (Swedish Language) Spec	Ref.	
	1001099440	CE UK (English Language) Spec (with LSS - was p/n 0240101)	Ref.	A
1	Not Used			
2		Glazier Tray Assembly (See Items 301-311 for Breakdown)	1	
	1001101421	ANSI, CSA & Australian Specs (was p/n 0272391 & 0274361)		
	0272951	Brazil (Portuguese Language) Spec		
	0272948	Latin American (Spanish Language) Spec		
	0272949	CE French Spec		
	0272950	CE German Spec		
	0272952	CE Italian Spec		
	0273406	CE Portugal (Portuguese Language) Spec		
	0273405	CE Spain (Spanish Language) Spec		
	1001115603	CE Sweden (Swedish Language) Spec		
	0273404	CE UK (English Language) Spec		
3		Bolt Options:	4	
	0642212	3/4"-10NC x 1 1/2"		
	0642214	3/4"-10NC x 1 3/4"		
4	2902212	Bumper and Strap, Kit	1	
	0940102	Bumper Only Kit	1	
	4240149	Strap Only Kit	1	
5	3312205	Nut 3/4"-10NC	4	
6	4712200	Flatwasher 3/4" Narrow	8	
7	4420014	Tape, Plastic	A/R	
		GLAZIER SUPPORT INSTALLATION	Ref.	
101		Bolt Options:	4	
	0642012	5/8"-11NC x 1 1/2" (without LSS)		
	0642026	5/8"-11NC x 3 1/4" (with LSS)		
102 to 104	Not Used			
105	3312205	Nut 5/8"-11NC	4	
106 to 107	Not Used			

SECTION 1 - SKYGLAZIER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
108	4712000	Flatwasher 5/8" Narrow (without LSS Only)	8	
109	Not Used			
110	1001099366	Support, Left	1	
111	1001099367	Support, Right	1	
		PLATFORM & GLAZIER SUPPORT INSTALLATION	Ref.	
	0272390	Machines without Load Sensing	Ref.	G
	See Note	Machines with Load Sensing (Note: For Replacement Parts, Contact JLG Customer Service and Request Manual p/n 3124287)	Ref.	
201	0641822	Bolt 1/2"-13NC x 2 3/4"	4	
202	3311805	Locknut 1/2"-13NC	12	
203	3520190	Plug	4	
204	4891800	Flatwasher 1/2" Hardened	16	
205	4846651	Base, Glazier	1	
206	0100011	Locking, Compound	A/R	
207	0642684	Bolt 1"-8NC x 10 1/2"	1	
208	0681610	Bolt 3/8"- 16NC x 1 1/2" (Grade 8)	8	
209	3272605	Locknut 1"-8NC	1	
210	4891600	Flatwasher 3/8" Hardened	1	
211	4892600	Flatwasher 1" Hardened	1	
212		Support, Platform Options:	1	
	4846573	All Specs Except CE Spec		
	See Note	CE Spec (Note: For Replacement Parts, Contact JLG Customer Service and Request Manual p/n 3124287)		
		GLAZIER TRAY ASSEMBLY	Ref.	
	1001101421	ANSI, CSA & Australian Specs (was p/n 0272391 & 0274361)	Ref.	D
	0272951	Brazil (Portuguese Language) Spec	Ref.	4/I
	0272948	Latin American (Spanish Language) Spec	Ref.	4/I
	0272949	CE French Spec	Ref.	3/I
	0272950	CE German Spec	Ref.	3/I
	0272952	CE Italian Spec	Ref.	3/I
	0273406	CE Portugal (Portuguese Language) Spec	Ref.	3/I
	0273405	CE Spain (Spanish Language) Spec	Ref.	3/I
	1001115603	CE Sweden (Swedish Language) Spec	Ref.	2/I
	0273404	CE UK (English Language) Spec	Ref.	3/I
301	0100081	Adhesive, #454	A/R	
302	1120555	Cap, Manual Storage Tube	2	
303	3340956	Pad Kit	1	
304	3460334	Tube, Manual Storage	1	
305	3520071	Plug	2	
306	4420066	Tape, Double Sided (Not Shown)	A/R	
307	Purchase Item 2	Tray	1	
308	Not Available	Nameplate - Serial Number	1	

SECTION 1 - SKYGLAZIER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
309		Decal - Capacity Options:	A/R	
	Use 1001126742	ANSI, CSA & Australian Specs (was p/n 1705312, 1706322 & 1001101420)		
	Use 1001126748	Brazil (Portuguese Language) Spec (was p/n 1705526)		
	Use 1001126747	Latin American (Spanish Language) Spec (was p/n 1705519)		
	1705520	CE French Spec		
	1705521	CE German Spec		
	1705523	CE Italian Spec		
	1705519	CE Spanish Spec		
	1705812	CE Portuguese Spec		
	1705811	CE Spain (Spanish Language) Spec		
	1001115605	CE Sweden (Swedish Language) Spec		
	1705813	CE UK (English Language) Spec		
310	1701509	Decal - Manual	1	
311		Manual, Technical Options (English Language Manual comes standard. Other must be ordered separately):	1	
	3124242	English Language		
	3122470	Danish Language		
	3122394	Dutch Language		
	3122392	French Language		
	3122393	German Language		
	3122395	Italian Language		
	3122396	Spanish Language		
	0272418	SKYGLAZIER™ DECAL INSTALLATION	Ref.	4
401	1705358	Decal - SkyGlazier™ (Not Shown - Located on Hood)	2	
		SKYGLAZIER™ KITS	Ref.	
		Note: Kits for adding SkyGlazier to machines originally equipped with front entry platforms. Not available for other specs.	Ref.	
	2902231	8.2K Rotator (8 Hole Configuration) Glazier Kit (ANSI, CSA & Australian Specs) - Includes Items 2-7, 101, 105, 108, 110, 111, 212 & 3510822 Side Entry Platform	Ref.	6
	2902232	9K Rotator (6 Hole Configuration) Glazier Kit (ANSI, CSA & Australian Specs) - Includes Items 2-7, 101, 105, 108, 110, 111, 4844616 Support & 3510822 Side Entry Platform	Ref.	5

SECTION 1 - SKYGLAZIER™

PARTS

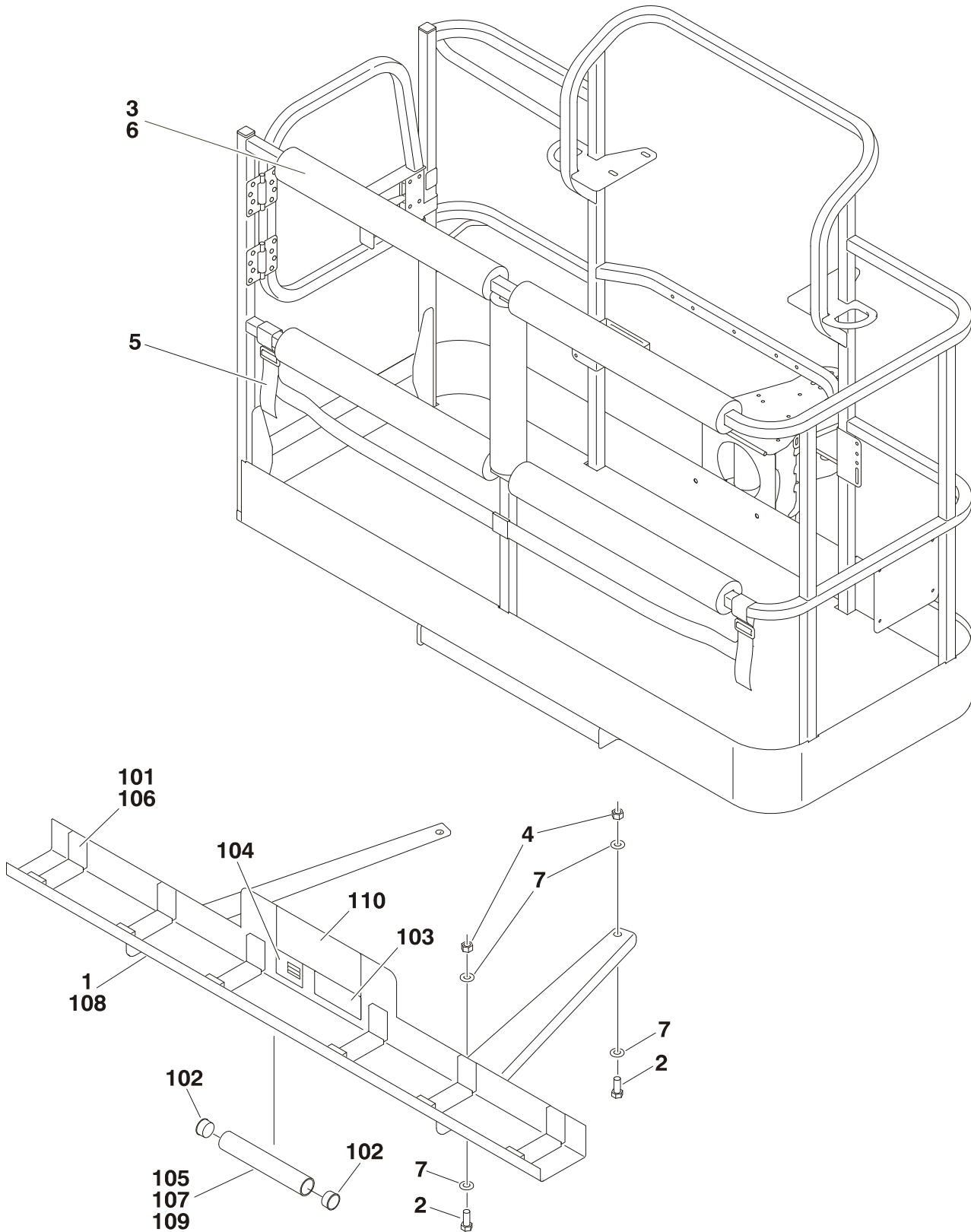


Figure 1-2. SkyGlazier™ Parts Drawing

SECTION 1 - SKYGLAZIER™

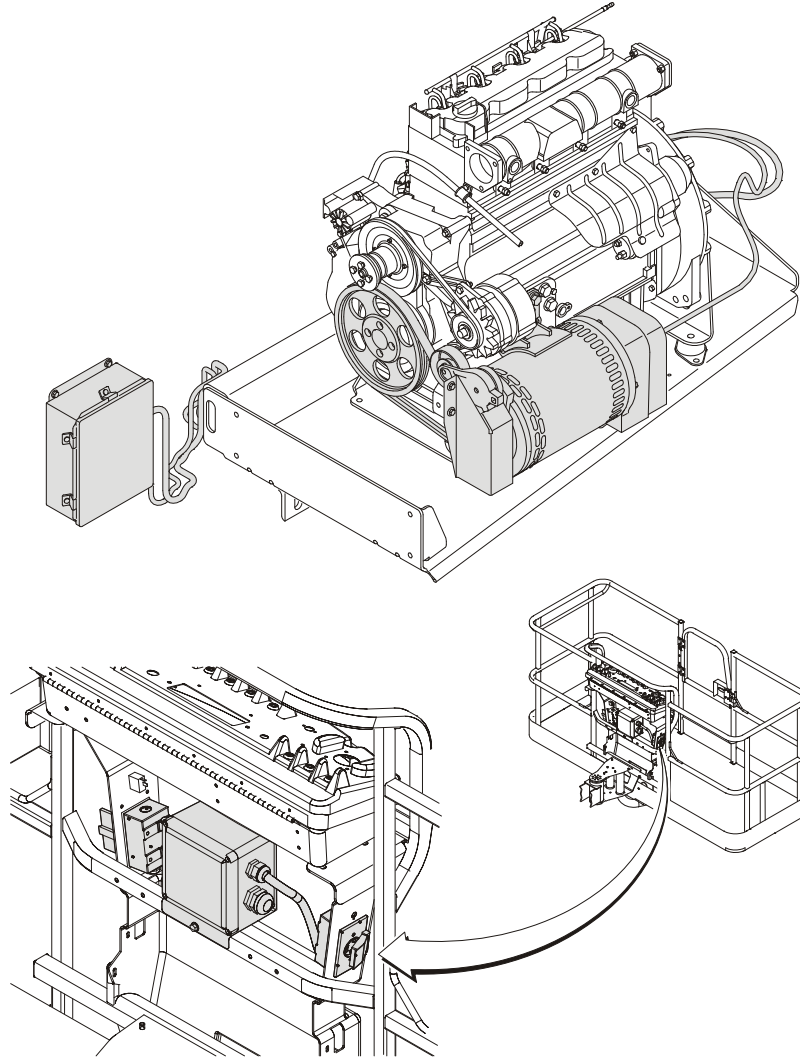
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 1-2.		SKYGLAZIER™ INSTALLATIONS	Ref.	
		E/M600/J/JP - S/N 0300105629 to Present Only	Ref.	
	0275945	ANSI & CSA Specs	Ref.	A
	1001091433	Brazil (Portuguese Language) Spec	Ref.	A
	1001091434	Latin American (Spanish Language) Spec	Ref.	A
		450A/AJ Series II & 510AJ	Ref.	
	1001101423	ANSI, CSA & Australian Specs (without LSS)	Ref.	A
	1001102648	Australian Spec (with LSS)	Ref.	A
1		Glazier Tray Assembly (See Items 101-110 for Breakdown) E/M600J/JP - S/N 0300105629 to Present Only	1	
	0275928	ANSI & CSA Specs		
	1001091431	Brazil (Portuguese Language) Spec		
	1001091432	Latin American (Spanish Language) Spec		
	1001101424	450A/AJ Series II & 510AJ		
2		Bolt Options:	4	
	0642012	5/8"-11NC x 1 1/2" (without LSS)		
	0642026	5/8"-11NC x 3 1/4" (with LSS)		
3	0940199	Bumper Kit	1	
4	3312005	Nut 5/8"-11NC	4	
5	4240149	Strap Kit	1	
6	4420014	Tape, Plastic	A/R	
7	4712000	Flatwasher 5/8" Narrow	8	
		GLAZIER TRAY ASSEMBLY	Ref.	
		E/M600/J/JP - S/N 0300105629 to Present Only	Ref.	
	0275928	ANSI & CSA Spec	Ref.	A
	1001091431	Brazil (Portuguese Language) Spec	Ref.	A
	1001091432	Latin American (Spanish Language) Spec	Ref.	A
	1001101424	450A/AJ Series II & 510AJ	Ref.	A
101	0100081	Adhesive, #454	A/R	
102	1120555	Cap, Manual Storage Tube	2	
103	1701509	Decal - Manual	1	
104	Not Available	Nameplate - Serial Number	1	
105		Manual, Technical Options (English Language Manual comes standard. Other must be ordered separately):	1	
	3124242	English Language		
	3122470	Danish Language		
	3122394	Dutch Language		
	3122392	French Language		
	3122393	German Language		
	3122395	Italian Language		
	3122396	Spanish Language		
106	3340956	Pad Kit	1	
107	3460334	Tube, Manual Storage	1	
108	Purchase Item 1	Tray	1	
109	4420066	Tape, Double Sided (Not Shown)	A/R	

SECTION 1 - SKYGLAZIER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
110	1707192 1001091429 1001091430 1001102446	Decal - Capacity Options: E/M600J/JP - S/N 0300105629 to Present Only ANSI & CSA Specs Brazil (Portuguese Language) Spec Latin American (Spanish Language) Spec 450A/AJ Series II & 510AJ	1	
	0272418	SKYGLAZIER™ DECAL INSTALLATION	Ref.	4
201	1705358	Decal - SkyGlazier™ (Not Shown - Located on Hood)	2	

SECTION 2 SKYPOWER™ (BELT DRIVEN)

Boom Lift Platform - Generator



PRODUCT USE

This product is available for use on the following JLG products

400S	450A Series II	450AJ Series II	460SJ	510AJ ¹	600A ¹
600AJ ¹	600S	600SC	600SJ	660SJ	660SJ
660SJC	800A	800AJ	800S	860SJ	1100SJP ^{1,2}
1200SJP ²	1250AJP ²	1350SJP ²	1500SJ ²	18RS ¹	24RS ¹

Footnotes: ¹ See Accessory - Model Application Chart for Market Availability.

² INSTALLING OR REMOVING APPROVED ACCESSORIES OR CHANGING PLATFORM SIZE REQUIRES RECALIBRATION OF THE BOOM CONTROL SYSTEM.(SEE MODEL SERVICE AND MAINTENANCE MANUAL).

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

DESCRIPTION

This belt-driven generator supplies AC power to the platform to run tools, lights, cutting and welding equipment through an AC receptacle. All power regulation components are located in a watertight box that is connected by cable to the generator. The generator supplies power when running at the specified speed with the power switch on (switch is located on platform). A three-pole, 30 Amp circuit breaker protects the generator from overload.

Generator Output

ANSI Specs:

240V;60Hz; 3-Phase; 7.5kW and 240V/120V:60Hz; Single Phase:6kW.

CE Specs:

3-phase, 240-volt, 7.5kw, 18.3-amps, 1.0-pf

1-phase, 240 volt, 6.0kw, 26-amps, 1.0-pf

1-phase, 120 volt, 6.0kw, 50-amps, 1.0-pf

Peak:

3-phase 8.5kw

1-phase 6.0kw

ACCESSORY RATINGS

Model	Drive -Type	Generator Speed
18RS/24RS/400S/450A Series II 450AJ Series II/460SJ 510AJ/600A/600AJ 600S/600SC/600SJ 660SJ/660SJC 800A/800AJ/800S 860SJ/1100SJP/1200SJP 1250AJP/1350SJP/1500SJP	Belt-Drive/Pulley	3000rpm (50 Hz) 3600 rpm (60 Hz)

SAFETY PRECAUTIONS

General

NOTICE

READ AND UNDERSTAND THE OPERATORS MANUAL FOR THE SPECIFIC JLG MODEL BEING USED.

⚠ WARNING

DO NOT OVER LOAD PLATFORM.

1. Make sure no personnel are beneath platform.
2. This factory installed option is available only on models specified.
3. Keep lanyard attached at all times.
4. Do not use electrical tools in extremely wet conditions.
5. Use correct voltage for tool being used.
6. Do not over load circuit.

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

PREPARATION AND INSPECTION

Ensure generator is secure, check condition of belt and wiring.

OPERATION

Start engine, turn on generator begin using.

SERVICE AND MAINTENANCE

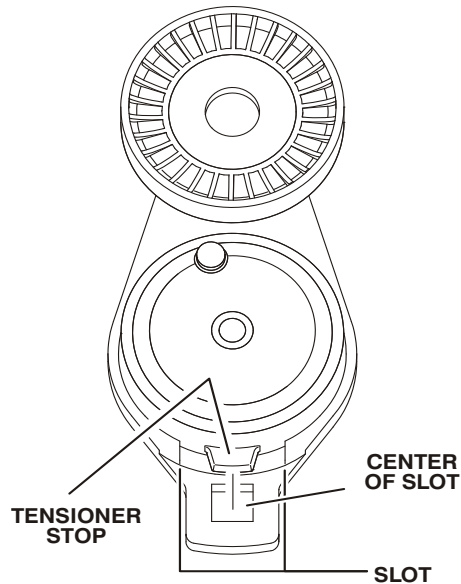
Generator Service & Maintenance

Refer to Miller Generator Service and Maintenance Manual.

Generator Belt Tensioner Adjustment - GM Engines

When belt is properly installed, the tensioner stop should be centered in the slot to allow for belt wear/stretch.

Re-adjust position as necessary to allow correct positioning of belt tensioner stop. See illustration to the left.



SECTION 2 - SKYPOWER™ (BELT DRIVEN)

PARTS (CATERPILLAR & 2011 SERIES DEUTZ ENGINE MACHINES)

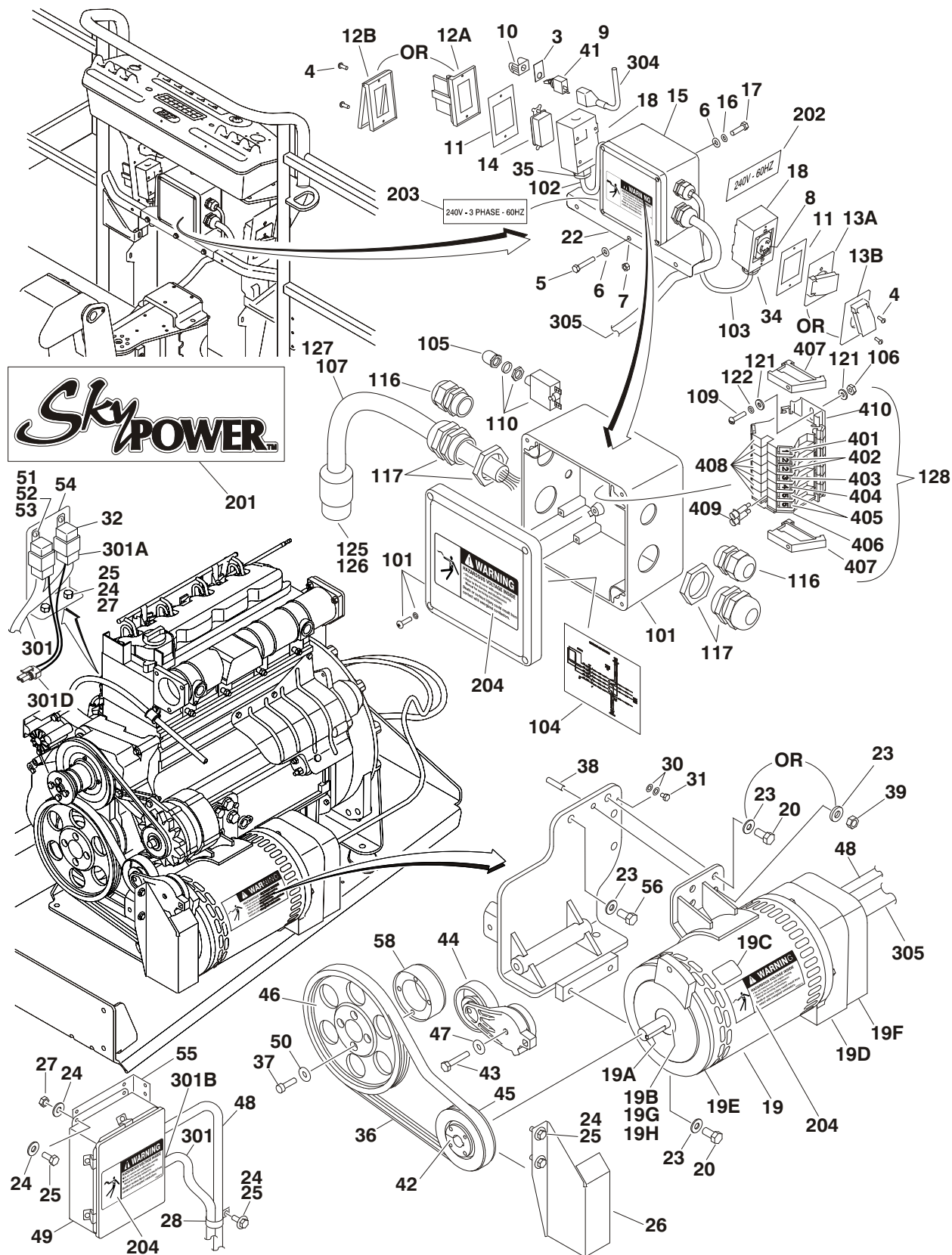


Figure 2-1. SkyPower™ Parts Drawing - Belt Driven Generator (Caterpillar & 2011 Series Deutz Engine Machines)

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 2-1.		SKYPOWER™ BELT DRIVEN (CATERPILLAR & 2011 SERIES DEUTZ ENGINE MACHINES)	Ref.	
		Caterpillar Engines Machines without UGM:	Ref.	
	0273003	400S/460SJ 60Hz Spec	Ref.	K
	0273004	400S/460SJ 50Hz Spec	Ref.	G
	0274711	450A Series II/450AJ Series II 60Hz Spec	Ref.	E
	Not Available	450A Series II/450AJ Series II 50Hz Spec	Ref.	
	Not Available	510AJ	Ref.	
	0273576	600A/600AJ 60Hz Spec	Ref.	I
	0273577	600A/600AJ 50Hz Spec	Ref.	G
	0273540	600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ/ 800S/860SJ 60Hz Spec	Ref.	J
	0273541	600S/600SJ/660SJ/800A/800AJ/800S/860SJ 50Hz Spec	Ref.	I
	Not Available	1100SJP/1200SJP/1250AJP/1350SJP/1500SJ	Ref.	
		Caterpillar Engines Machines with UGM:	Ref.	
	1001112101	400S/460SJ 60Hz Spec	Ref.	A
	1001112408	400S/460SJ 50Hz Spec	Ref.	A
	1001111404	450A Series II/450AJ Series II 60Hz Spec (Prior to S/N 0300160835)	Ref.	B
	1001146620	450A Series II/450AJ Series II 60Hz Spec (S/N 0300160835 to Present)	Ref.	A
	Not Available	450A Series II/450AJ Series II 50Hz Spec	Ref.	
	Not Available	510AJ	Ref.	
	1001115401	600A/600AJ 60Hz Spec	Ref.	C
	1001115402	600A/600AJ 50Hz Spec	Ref.	C
	1001115398	600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ/800S/ 860SJ 60Hz Spec	Ref.	C
	1001115400	600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ/800S/ 860SJ 50Hz Spec	Ref.	C
	1001117508	1100SJP/1200SJP/1350SJP/1500SJ 60Hz Spec	Ref.	D
	Not Available	1100SJP/1200SJP/1350SJP/1500SJ 50Hz Spec	Ref.	
	1001117508	1250AJP 60Hz Spec	Ref.	D
	1001121889	1250AJP 50Hz Spec	Ref.	B
		Deutz Engines Machines without UGM:	Ref.	
	0272597	400S/460SJ 60Hz Spec	Ref.	L
	0272596	400S/460SJ 50Hz Spec	Ref.	J
	0273160	450A Series II/450AJ Series II 60Hz Spec	Ref.	G
	0273420	450A Series II/450AJ Series II 110V/50Hz Spec	Ref.	G
	0275661	450A Series II/450AJ Series II 220V/50Hz Spec	Ref.	C
	0272746	510AJ 50Hz Spec	Ref.	E
	0272618	600A/600AJ 60Hz Spec	Ref.	K
	0272619	600A/600AJ 50Hz Spec	Ref.	G
	0272255	600S/600SC/600SJ/660SCJ/660SJ 60Hz Spec (Except Brazil Spec)	Ref.	L
	0272640	600S/600SC/600SJ/660SCJ/660SJ 60Hz Brazil Spec Only	Ref.	H
	0272492	600S/600SC/600SJ/660SCJ/660SJ 50Hz Spec	Ref.	J
	0272255	800A/800AJ 60Hz Spec	Ref.	L
0272492	800A/800AJ 50Hz Specs	Ref.	J	
0272344	800S/860SJ 60Hz Spec	Ref.	I	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0272643	800S/860SJ 50Hz Specs	Ref.	F
	0273455	1100SJP 60Hz Spec	Ref.	H
	0273455	1200SJP/1350SJP S/N 80338 to Present 60Hz Spec	Ref.	H
	0273456	1200SJP/1350SJP S/N 80338 to Present 50Hz Specs	Ref.	F
	0273455	1250AJP 60Hz Spec	Ref.	H
	0273456	1250AJP 50Hz Specs	Ref.	F
		Deutz Engines Machines with UGM:	Ref.	
	1001141956	18RS/24RS 60Hz Spec	Ref.	D
	1001141957	18RS/24RS 50Hz Spec	Ref.	B
	1001115390	400S/460SJ 60Hz Spec	Ref.	B
	1001115721	400S/460SJ 50Hz Spec	Ref.	B
	1001115395	450A Series II/450AJ Series II 60Hz Spec (Prior to S/N 0300160835)	Ref.	C
	1001146619	450A Series II/450AJ Series II 60Hz Spec (S/N 0300160835 to Present)	Ref.	A
	1001115396	450A Series II/450AJ Series II 110V/50Hz Spec (Prior to S/N 0300160835)	Ref.	D
	1001146618	450A Series II/450AJ Series II 110V/50Hz Spec (S/N 0300160835 to Present)	Ref.	A
	1001115408	450A Series II/450AJ Series II 220V/50Hz Spec	Ref.	B
	Not Available	510AJ 50Hz Spec	Ref.	
	1001115391	600A/600AJ 60Hz Spec	Ref.	C
	1001115392	600A/600AJ 50Hz Spec	Ref.	B
	1001115387	600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ 60Hz Spec (Except Brazil Spec)	Ref.	B
	1001115393	600S/600SC/600SJ/660SCJ/660SJ 60Hz Brazil Spec Only	Ref.	B
	1001115389	600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ 50Hz Spec	Ref.	B
	1001115388	800S/860SJ 60Hz Spec	Ref.	B
	1001115394	800S/860SJ 50Hz Specs	Ref.	B
	1001125427	1100SJP/1200SJP/1250AJP/1350SJP/1500SJ 60Hz Spec	Ref.	A
	1001125428	1100SJP/1200SJP/1250AJP/1350SJP/1500SJ 50Hz Spec	Ref.	A
1	0100011	Locking, Compound	A/R	
2	Not Used			
3		Nameplate Options:	1	
	3252764	All Models except 1100SJP,1200SJP,1350SJP, 1250AJP & 1500SJ		
	3251102	1100SJP,1200SJP,1350SJP, 1250AJP & 1500SJ Only		
4		Screw #6-32NC Options:	8	
	3910606	Screw #6-32NC x 3/8"		
	3910612	Screw #6-32NC x 3/4"		
5		Hardware Options:	A/R	
	0641516	Bolt 5/16"-18NC x 2"	3	
	1320302	U-Clamp	2	
6		Flatwasher Options:	A/R	
	4751400	Flatwasher 1/4"		
	4751500	Flatwasher 5/16"		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
7		Nut Options:	A/R	
	3311505	5/16"-18NC (Locking)	3	
	3311508	5/16"-18NC (Serrated Flange)	3	
	3311401	1/4"-20NC	2	
8		Receptacle, Female Twist-Lock Options (220-240V Single):	1	
	4460958	60Hz		
	Not Available	50Hz (Supply Locally)		
9	4360336	Switch, Toggle	1	
	4740397	Spacer, Washer (Not Shown)	1	
10	4060802	Guard, Switch	1	
11		Gasket Options:	2	
	3960422	60Hz		
	Not Available	50Hz (Supply Locally)		
12		Cover, Receptacle Options:	1	
	Not Available	50Hz (Supply Locally)		
12A	4060700	60Hz Cover, Side Hinged		
12B	1001110873	60Hz Cover, Top Hinged		
13		Cover, Receptacle Options (All Models except 18RS/24RS):	1	
13A	Not Available	50Hz (Supply Locally)		
13B	4061043	60Hz Cover, Side Hinged		
	1001110872	60Hz Cover, Top Hinged		
14		Receptacle, Female Options (110-120V):	1	
	4460346	60Hz		
	Not Available	50Hz (Supply Locally)		
15		Junction Box Assembly Options (See Items 101-128 for Breakdown):	1	
	0861542	60Hz Spec (All Models except 18RS/24RS)		
	1001142914	60Hz Spec (18RS/24RS Only)		
	0861567	50Hz Spec		
16	4761500	Lockwasher 5/16"	A/R	
17		Bolt Options:	4	
	0641505	Bolt 5/16"-18NC x 5/8"		
	0641508	Bolt 5/16"-18NC x 1"		
18		Box, Switch Options:	2	
	0860038	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
19		Generator Assembly Options:	1	
	2460048	Caterpillar Engine (400S/460SJ/450A Series II/450AJ Series II) (was p/n 7024493)		
	2460050	Caterpillar Engine (600A/600AJ/600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ/800S/860SJ)		
	1001119250 Use 2460048	Caterpillar Engine (1200SJP/1250AJP/1350SJP) Deutz Engine with 60Hz Generator (400S/460SJ/600A/600AJ/600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ/800S/860SJ) (was p/n 2460041Kit which included p/n 7024493 Replacement Generator Prior to S/N0300075304)		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
19 Cont'd	Use 2460048	Deutz Engine with 50Hz Generator (400S/460SJ/510AJ/600A/600AJ/600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ/800S/860SJ) (was p/n 2460045 which included p/n 7024493 Replacement Generator Prior to S/N 0300075304)		
	2460048	Deutz Engine with 60Hz Generator (450A Series II/450AJ Series II/1100SJP/1200SJP/ 1250AJP/1350SJP)		
	2460048	Deutz Engine with 50Hz Generator (18RS/24RS/450A Series II/450AJ Series II/1200SJP/ 1250AJP/1350SJP)		
	Use 70003631	Brushholder Assembly (Not Shown) (was p/n 7024484)	1	
	7024485	Breaker, Circuit 30Amp (Not Shown)	1	
	70001696	Boot, Breaker (was p/n 7024486 - Not Shown)	1	
	7027799	Block, Connection - 6 Position (Not Shown)	1	
	70002460	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	6	
	7026597	Connector, W/Lead (Not Shown)	1	
	7026188	Connector, Clamp (Not Shown)	1	
	See Note	Panel, End (Not Shown)	1	
		(Note: Was p/n 70002255 - Use p/n 70004169 Kit as replacement for Deutz Engine Machines & p/n 70004170 for Caterpillar Engine Machines)		
		Stator Options (Not Shown):	1	
	70001969	2460050 Generator	1	
	70002088	2460048 Generator	1	
	70003451	1001119250 Generator	1	
	70001974	Decal - Terminal Connections (Not Shown)	1	
	70000863	Fan (Not Shown)	1	
	70002297	Stud (Not Shown)	4	
	70001100	Armature, Generator (Includes Radial Ball Bearing on End with Brushes and Fan)	1	
	70001384	Bearing, Ball Radial	1	
19A	Use 70004171	Key (was p/n 7024561)	1	
19B	70001966	Bearing, Radial Ball	1	
19C	70001973	Decal - Warning Moving Parts	1	
19D	See Note	Endbell, Brush Block	1	
		(Note: Was p/n 70001385 - Use p/n 70004169 Kit as replacement for Deutz Engine Machines & p/n 70004170 for Caterpillar Engine Machines)		
19E	70001953	Endbell, Belt Tensioner	1	
19F	See Note	Endbell, Shroud Assembly	1	
		(Note: Was p/n 70002290 - Use p/n 70004169 Kit as replacement for Deutz Engine Machines & p/n 70004170 for Caterpillar Engine Machines)		
19G	70003708	Ring, Retaining (Internal)	1	
19H	70003709	Ring, Retaining (External)	1	
20		Bolt Options:	A/R	
		Bolt 1/2"-13NC Options:		
	0641808	Caterpillar Engine (All except 1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)	3	
	0641810	Caterpillar Engine (1100SJP/1200SJP/1250AJP/1350SJP/ 1500SJ Only)	2	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
20 Cont'd	0641808	Deutz Engine (All except 1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)	2	
	0641810	Deutz Engine (1100SJP/1200SJP/1350SJP/1500SJ Only)	3	
	0641812	Deutz Engine (1250AJP Prior to S/N 79823 Only)	3	
	0641810	Deutz Engine (1250AJP S/N 79823 to Present Only)	3	
	0761214	Bolt, Metric M12 x 30mm (Required Only on 18RS/24RS)	2	
	0771416	Bolt, Metric M14 x 40mm (Required Only on 18RS/24RS)	2	
21	4071091	Shim (1250AJP Prior to S/N 79823 Only) (Not Shown)	6	
22		Bracket, Box Mounting Options:	1	
	Use 0902888	All except 18RS/24RS (was p/n 3573668)		
	1001141958	Required Only on 18RS/24RS		
23		Flatwasher Options:	A/R	
	4711800	1/2"Thin		
	4891800	1/2"Hardened (Required on 1100SJP/1200SJP/ 1250AJP/1350SJP/1500SJ)		
	4812100	12mm (Required Only on 18RS/24RS)		
	4812200	14mm (Required Only on 18RS/24RS)		
24		Flatwasher Options:	A/R	
	4711400	1/4" Thin (1/16" Thick)		
	4751400	1/4" Wide (1/8" Thick)		
	4711600	3/8"		
	4811702	6mm (Required Only on 18RS/24RS)		
25		Bolt Options:	A/R	
	0641404	Bolt 1/4"-20NC x 1/2"		
	0641405	Bolt 1/4"-20NC x 5/8"		
	0641407	Bolt 1/4"-20NC x 7/8"		
	0641408	Bolt 1/4"-20NC x 1"		
	0641610	Bolt 3/8"-16NC x 1 1/4"		
	0760610	Bolt, Metric M6 x 20mm (Required Only on 18RS/24RS)		
26		Shield Options:	A/R	
	Not Required	Caterpillar Engine without UGM	0	
	Not Required	Caterpillar Engine with UGM (400S/460S/450A Series II/450AJ Series II/510A)	1	
	1001118599	Caterpillar Engine with UGM (Not Shown - Mounts on opposite side) (600A/600AJ/600S/600SC/600SJ/660SJC/800A/800AJ/800S/860SJ/1100SJP/1200SJP/1250AJP/1350SJP/1500SJ) (USA Built Machines Prior to S/N 0300168212 & China Built Machines Prior to S/N B300000734)	1	
	Not Required	Deutz Engine (18RS/24RS/400S/460S/450A Series II/450AJ Series II/510AJ/1100SJP/1200SJP/ 1250AJP/1350SJP/1500SJ)	0	
	4061049	Deutz Engine (Shown) (600A/600AJ/600S/600SC/600SJ/660SJC/660SJC/800A/800AJ/800S/860SJ) (USA Built Machines Prior to S/N 0300168212 & China Built Machines Prior to S/N B300000734)	1	
27		Nut Options:	A/R	
	3311405	Nut 1/4"-20NC		
	3311605	Nut 3/8"-16NC		
	3300454	Nut 1/4"-20NC (U-Style) (Required Only on 450A Series II/450AJ Series II S/N 0300160834 to Present)		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
27 Cont'd	3290605	Nut, Metric M6 x 1 (Required Only on 18RS/24RS)		
28		Clamp Options:	A/R	
	1320318	400S/460SJ with Caterpillar Engine (was p/n 1320169)	1	
	1320318	400S/460SJ with Deutz Engine (was p/n 1320041 & 1320224)	1	
	Not Required	18RS/24RS/450A Series II/450AJ Series II/510AJ/600A/600AJ/1100SJP/1200SJP/ 1250AJP/1350SJP/1500SJ	0	
	1320318	600S/600SC/600SJ/660SJC/660SJ/800A/800AJ/800S/860SJ with Caterpillar Engine (was p/n 1320224)	1	
	1320318	600S/600SC/600SJ/660SJC/660SJ/800A/800AJ with Deutz Engine (was p/n 1320041 & 1320224)	1	
	Not Required	800S/860SJ with Deutz Engine	0	
29	4240018	Tie-Strap (Not Shown)	A/R	
30		Starwasher Options:	A/R	
	4791400	1/4"		
	8310687	M6 (Required Only on 18RS/24RS)		
31		Bolt Options:	A/R	
	0641403	Bolt 1/4"-20NC x 3/8"		
	0641405	Bolt 1/4"-20NC x 5/8"		
	0760606	Bolt, Metric M6 x 12mm (Required Only on 18RS/24RS)		
32	3740080	Relay	A/R	
		400S/460SJ/450A Series II/450AJ Series II/510AJ/600A/600AJ	2	
		600S/600SC/600SJ/660SJC/660SJ/800A/800AJ/800S/860SJ	1	
		18RS/24RS/1100SJP/1200SJP/ 1250AJP/1350SJP/1500SJ	0	
33	0100019	Locking, Compound	A/R	
34		Connector, Strain Relief Options:	1	
	4460051	60Hz (All Models except 450A Series II/450AJ Series II/1100SJP/1200SJP/ 1250AJP/1350SJP/1500SJ)		
	4460071	60Hz (450A Series II/450AJ Series II/1100SJP/1200SJP/1250AJP/1350SJP/1500SJ Only)		
	Not Available	50Hz (Supply Locally)		
35		Connector, Strain Relief Options:	1	
	4460071	60Hz (All Models except 1100SJP/1200SJP/ 1250AJP/1350SJP/1500SJ)		
	4460051	60Hz (1100SJP/1200SJP/ 1250AJP/1350SJP/1500SJ Only)		
	Not Available	50Hz (Supply Locally)		
36		Belt, Drive Options:	1	
		60Hz Generator Belts:		
	0480128	Caterpillar Engine (400S/460SJ) (Prior to S/N 77701)		
	0480129	Caterpillar Engine (400S/460SJ/450A Series II/450AJ Series II) (S/N 0300077701 to Present)		
	0480129	Caterpillar Engine (600A/600AJ/600S/600SC/600SJ/660SJC/660SJ/800A/800AJ/800S/860S)		
	1001119966	Caterpillar Engine (1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)		
	0480128	Deutz Engine (400S/460SJ/450A Series II/450AJ Series II)		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
36 Cont'd	0480125	Deutz Engine with Generator Prior to S/N LC263840 (600A/600AJ/600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ/800S/860S)		
	0480129	Deutz Engine with Generator S/N LC263840 to Present (18RS/24RS/600A/600AJ/600S/600SC/600SJ/660SJC/660SJ/800A/800AJ/800S/860S)		
	0480128	Deutz Engine (All 1100SJP/1200SJP/1350SJP/1500SJ)		
	0480136	Deutz Engine (1250AJP Prior to S/N 0300079823)		
	0480128	Deutz Engine (1250AJP S/N 0300079823 to Present)		
		50Hz Generators Belts:		
	0480126	Caterpillar Engine (400S/460SJ)		
	0480125	Caterpillar Engine (600A/600AJ/600S/600SC/600SJ/660SJC/660SJ/800A/800AJ/800S/860S)		
	1001121931	Caterpillar Engine (1250AJP)		
	0480129	Deutz Engine (400S/460SJ/450A Series II/450AJ Series II/510AJ)		
	0480126	Deutz Engine (18RS/24RS/600A/600AJ/600S/600SC/600SJ/660SJC/660SJ/800A/800AJ/800S/860S)		
	Not Required	Deutz Engine (1100SJP)		
	0480129	Deutz Engine (All 1200SJP/1350SJP/1500SJ)		
	0480125	Deutz Engine (1250AJP Prior to S/N 0300079156)		
	0480129	Deutz Engine (1250AJP S/N 0300079156 to Present)		
37		Bolt, Metric Options:	A/R	
	0701217	Caterpillar Engine (Bolt M12 x 45mm) (400S/460SJ/450A Series II/450AJ Series II)	3	
	0700815	Caterpillar Engine (Bolt M8 x 35mm) (600A/600AJ/600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ/800S/860S)	4	
	0700822	Caterpillar Engine (Bolt M8 x 70mm) (1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)	4	
	4032015	Deutz Engine (Capscrew M10 x 55mm) (All Models)	4	
38		Stud Options:		
	Not Required	Caterpillar Engine	0	
	4300157	Deutz Engine (All Models except 1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)	1	
	Not Required	Deutz Engine (1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)	0	
39	3311801	Nut 1/2"-13NC	1	
40	0100062	Loctite, #RC/680	1	
41	2820031	Insulator (USA Built S/N 0300070226 to Present & All Belgium & China Built Machines)	1	
42	0962520	Bushing, Split Taper (was p/n 7024562)	1	
43	0641618	Bolt 3/8"-16NC x 2 1/4" (was p/n 3931632)	1	
		Note: This bolt requires flatwasher p/n 4711600.	Ref.	
44	Use 70001975	Tensioner, Belt (was p/n 7024482 & p/n 3580317)	1	
45		Pulley Options:	1	
	3580318	60Hz Generator (was p/n 7024563)		
	3580319	50Hz Generator (was p/n 7026187)		
46		Pulley Options:	1	
	3580316	Caterpillar Engine (400S/460SJ/450A Series II/450AJ Series II)		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.	
46 Cont'd	3580321	Caterpillar Engine (600A/600AJ/600S/600SC/600SJ/ 660SCJ/660SJ/800A/800AJ/800S/860SJ/1100SJP/ 1200SJP/1250AJP/1350SJP/1500SJ)			
	3580320	Deutz Engine (All Models except 1100SJP/1200SJP/ 1250AJP/1350SJP/1500SJ)			
	Not Available	Deutz Engine (1100SJP/1200SJP/ 1250AJP/1350SJP/ 1500SJ)			
47	4711600	Flatwasher 3/8" Note: This flatwasher requires bolt p/n 0641618.	1 Ref.		
48		Harness, Generator Options:	1		
	4922925	All Models except 1100SJP/1200SJP,1350SJP, 1250AJP & 1500SJ (was p/n 7024490)			
49	4922972	1100SJP/1200SJP,1350SJP, 1250AJP & 1500SJ Only			
		Control Box Assembly Options:	1		
	0861538	60Hz Generator (was p/n 7024487)			
	0861572	50Hz Generator (was p/n 7024487)			
	7024488	Card, Circuit - Generator Power	1		
	Not Available	Fuse (Purchase Locally)	1		
	7024489	Card, Circuit - Control Note: Same Circuit Card (P/N 7024489) is used for both 60Hz & 50Hz. When replacing card, rocker switch on card must be set for required application.	1 Ref.		
	70000619	Harness, Circuit Card	1		
50	4811900	Flatwasher	A/R		
51		Fastener Options:	2		
	0721004	Screw #10-24NC 1/2"			
	0641405	Bolt 1/4"-20NC x 5/8"			
52	4751000	Flatwasher #10	4		
53	3311005	Locknut #10-24NC	2		
54		Bracket, Relay Mounting Options:	A/R		
	3574163	Caterpillar Engine (400S/460SJ/450A Series II/450AJ Series II) (was p/n 0902907)	1		
	Not Required	Caterpillar Engine (600A/600AJ/600S/600SC/600SJ/ 600SJ/660SCJ/660SJ/800A/800AJ/800S/860SJ/1100SJP/ 1200SJP/ 1250AJP/1350SJP/1500SJ)	0		
	Not Required	Deutz Engine (18RS/24RS/400S/460SJ/600A/600AJ/ 600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ/800S/ 860S/1100SJP/1200SJP/ 1250AJP/1350SJP)	0		
	3574163	Deutz Engine (450A Series II/450AJ Series IIAJ/510AJ)	1		
	55		Bracket, Control Box Mounting Options:	A/R	
	3574523	450A Series II/450AJ Series II (Prior to S/N 0300160835)	2		
Not Required	450A Series II/450AJ Series II (S/N 0300160835 to Present)	0			
	Not Required	All Models Except 450A Series II/450AJ Series II	0		
56		Bolt Options:	A/R		
	0641808	Caterpillar Engine	1		
	0771415	Deutz Engine (All Models except 1100SJP/1200SJP/ 1250AJP/1350SJP/1500SJ)	1		
	0641810	Deutz Engine (1100SJP/1200SJP/1350SJP/1500SJ Only)	1		
	0641812	Deutz Engine (1250AJP Prior to S/N 0300079823 Only)	1		
	0641810	Deutz Engine (1250AJP S/N 0300079823 to Present Only)	1		
	0771414	Deutz Engine (Required Only on 18RS/24RS)	2		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
57	0100020	Sealant, Pipe	A/R	
58	1001117500	Spacer, Pulley(1100SJP/1200SJP/1250AJP/1350SJP/ 1500SJ with Caterpillar Engine Only)	1	
		JUNCTION BOX ASSEMBLY	Ref.	
	0861542	60Hz Specs (All Models except 18RS/24RS)	Ref.	D
	1001142914	60Hz Specs (18RS/24RS Only)	Ref.	A
	0861567	50Hz Specs	Ref.	B
101	0861541	Box, Junction	1	
102		Cable, Electrical 12/3	2 ft/.6m	
	1060494	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
103		Cable, Electrical 10/3	2.5ft/.76m	
	1060708	60Hz Spec (All Models except 18RS/24RS)		
	Not Required	60Hz Spec (Required Only on 18RS/24RS)		
	Not Available	50Hz Spec (Supply Locally)		
104	1705376	Decal - Wiring Schematic	1	
105	3300396	Cover, Fuse	1	
106	3310601	Nut 6-32NC	2	
107	1060343	Cable, Electrical 10/4 (60Hz Spec Only)	1.5ft/.46m	
108	Not Used			
109	3910610	Bolt 6-32NC x 5/8	2	
110	4360070	Circuit Breaker - 15 Amp	1	
111 to 115	Not Used			
116	4460425	Strain Relief, Terminal	2	
	3520192	Plug, Hole (18RS/24RS - 60Hz Spec Only)	1	
117	4460426	Connector, Strain Relief	2	
118 to 120	Not Used			
121	4750600	Flatwasher, #6 Wide	4	
122	4760600	Lockwasher #6	2	
123 to 124	Not Used			
125	1671092	Cover (60Hz Spec Only)	1	
126	4460963	Connector (60Hz Spec Only)	1	
127	3520189	Plug (50Hz Spec Only)	1	
128		Terminal Block Assembly Options (See Items 401-410 for Breakdown):	1	
	NPN	Gray Terminal Block Assembly		
	1001121340	Tan Terminal Block Assembly		
		DECAL INSTALLATION	Ref.	
	0272435	60Hz Specs (All models except 450A Series II/450AJ Series II)	Ref.	B
	0273380	60Hz Specs (450A Series II/450AJ Series II Only)	Ref.	A
	1001143682	60Hz Specs (18RS/24RS Only)	Ref.	A
	1001143681	50Hz Specs (18RS/24RS Only)	Ref.	A
	0272589	50Hz Specs	Ref.	A
201	1705460	Decal - SkyPower™	2	
202	1705374	Decal - 240V - 60Hz (60Hz Spec Only)	1	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
203		Decal - 240V - 3 Phase Options:	1	
	1705375	60Hz Spec	1	
	1705461	50Hz Spec	1	
204		Decal, Hazardous Voltage Options:	3	
	1705387	60Hz Spec		
	1705489	50Hz Spec		
		ELECTRICAL DIAGRAM COMPONENTS	Ref.	
	4933264	Machines without UGM	Ref.	C
	1001112586	Machines with UGM (All Models except 1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)	Ref.	A
	1001122528	Machines with UGM (1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)	Ref.	A
	1001112586	Deutz Engine Machines with UGM	Ref.	A
	1001145950	Deutz Engine Machines with UGM (18RS/24RS Only)	Ref.	B
301		Generator Harness Options:	1	
	4922757	All Models without UGM		3/C
	1001112587	Machines with UGM (All Models except 1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)		A
	See Item 302	Caterpillar Engine Machines with UGM (1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)		
	1001112587	Deutz Engine Machines with UGM		A
301A	4460374	Plug, Sealed Relay	2	
	4460375	Terminal	7	
301B	4460967	Plug, Male - 3 Position	1	
	4460465	Socket, Female	3	
301C	2400060	Fuseholder (Not Shown)	1	
	2400064	Fuse - 5 Amp (Not Shown)	1	
301D	4460742	Plug, Male 2 Position (With UGM Only)	1	
	4460743	Terminal, Female (With UGM Only)	2	
	4460458	Seal (With UGM Only)	2	
302	1001119968	Machines with UGM (Not Shown - Connects to Generator Control Box) (18RS/24RS/1100SJP/1200SJP/1250AJP/1350SJP/1500SJ)	1	B
	1001117078	Fuseholder (Not Shown)	1	
	2400064	Fuse - 5 Amp (Not Shown)	1	
	4460967	Plug, Male 3 Position	1	
	4460465	Socket, Female	3	
303	Not Used			
304	4922641	Switch Harness	1	
305	See Note	Cable, Electrical (Note: See Model Specific Parts Manual for Call-out.)	A/R	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		TERMINAL BLOCK ASSEMBLY	Ref.	
	NPN	Gray Terminal Block Assembly (Complete Assembly Not Available - Purchase Individual Components)	Ref.	
	1001121340	Tan Terminal Block Assembly	Ref.	A
401		Marker Strip #1 Options:	2	
	4460411	Gray Terminal Block Assembly		
	70002818	Tan Terminal Block Assembly		
402		Marker Strip #2 Options:	A/R	
	4460412	Gray Terminal Block Assembly	A/R	
		USA Built Machines Prior to S/N 0300072911	2	
		USA Built Machines S/N 0300072911 to Present	4	
		All Belgium & China Built Machines	4	
	70002819	Tan Terminal Block Assembly	4	
403		Marker Strip #3 Options:	2	
	4460413	Gray Terminal Block Assembly		
	70002820	Tan Terminal Block Assembly		
404		Marker Strip #4 Options:	2	
	4460414	Gray Terminal Block Assembly		
	70002821	Tan Terminal Block Assembly		
405		Marker Strip #5 Options:	A/R	
	4460415	Gray Terminal Block Assembly	A/R	
		USA Built Machines Prior to S/N 0300072911	2	
		USA Built Machines S/N 0300072911 to Present	4	
		All Belgium & China Built Machines	4	
	70002822	Tan Terminal Block Assembly	4	
406		Terminal, End Barrier Options:	1	
	4460956	Gray Terminal Block Assembly		
	70002823	Tan Terminal Block Assembly		
407		Terminal, End Block Options:	2	
	4460607	Gray Terminal Block Assembly		
	70002824	Tan Terminal Block Assembly		
408		Terminal, Block Options:	A/R	
	4460957	Gray Terminal Block Assembly	A/R	
		USA Built Machines Prior to S/N 0300072911	5	
		USA Built Machines S/N 0300072911 to Present	7	
		All Belgium & China Built Machines	7	
	70002825	Tan Terminal Block Assembly	7	
409		Terminal, Cross Connector Jumper Options:	2	
	4461001	Gray Terminal Block Assembly		
	70002826	Tan Terminal Block Assembly		
410		Rail, Relay Options:	1	
	3640986	USA Built Machines Prior to S/N 0300072911		
	3641533	USA Built Machines S/N 0300072911 to Present		
	3641533	All Belgium & China Built Machines		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

PARTS (TCD/TD2.9L4 DEUTZ ENGINE MACHINES)

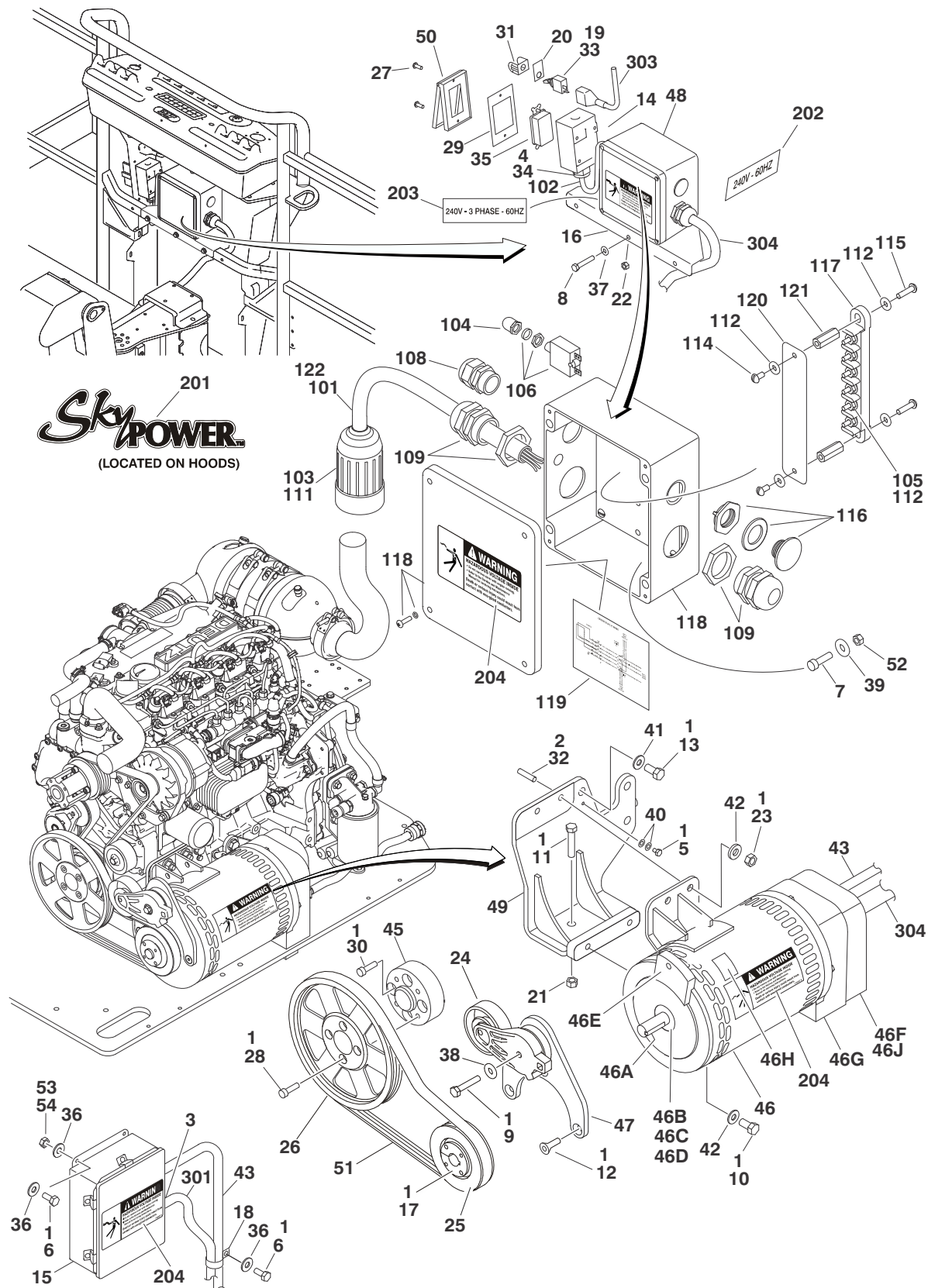


Figure 2-2. SkyPower™ Parts Drawing - Belt Driven Generator (TCD/TD2.9L4 Deutz Engine Machines)

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 2-2.		SKYPOWER™ BELT DRIVEN (TCD/TD2.9L4 DEUTZ ENGINE MACHINES)	Ref.	
	1001147018	400S/460SJ 60Hz Spec	Ref.	C
	Not Available	400S/460SJ 50Hz Spec	Ref.	
	1001146637	450A Series II/450AJ Series II 60Hz Spec	Ref.	E
	Not Available	450A Series II/450AJ Series II 110V/50Hz Spec	Ref.	
	Not Available	450A Series II/450AJ Series II 220V/50Hz Spec	Ref.	
	Not Available	510AJ 50Hz Spec	Ref.	
	1001145227	600A/600AJ 60Hz Spec	Ref.	D
	Not Available	600A/600AJ 50Hz Spec	Ref.	
	1001141421	600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ 60Hz	Ref.	D
	Not Available	600S/600SC/600SJ/660SCJ/660SJ/800A/800AJ 50Hz	Ref.	
	1001148563	800S/860SJ 60Hz Spec	Ref.	B
	Not Available	800S/860SJ 50Hz Specs	Ref.	
	1001137590	1100SJP/1200SJP/1250AJP/1350SJP/1500SJ 60Hz Spec	Ref.	A
	1001137591	1100SJP/1200SJP/1250AJP/1350SJP/1500SJ 50Hz Spec	Ref.	A
1	0100011	Locking, Compound	A/R	
2	0100019	Locking, Compound	A/R	
3	0100048	Grease, Dielectric	A/R	
4	0100079	Sealant, Pipe	A/R	
5	0641404	Bolt 1/4"-20NC x 1/2"	A/R	
6		Bolt Options:	A/R	
	0641404	Bolt 1/4"-20NC x 1/2"		
	0641406	Bolt 1/4"-20NC x 3/4"		
7	3931016	Screw #10-24 x 1	4	
8	0641516	Bolt 5/16"-18NC x 2"	3	
9		Bolt Options:	1	
	0641616	Bolt 3/8"-16NC x 2"		
	0641618	Bolt 3/8"-16NC x 2 1/4"		
10		Bolt Options:	2	
	0641808	Bolt 1/2"-13 x 1"		
	0641810	Bolt 1/2"-13 x 1 1/4"		
11	0681822	Bolt 1/2"-13 x 2 3/4" (400S/460SJ/450A Series II/450AJ Series II)	1	
12	0741607	Screw, Flat Head 3/8in-16NC x 7/8in	3	
13	0771414	Bolt 14mm x 30mm Grade 10.9 (400S/460SJ/450A Series II/450AJ Series II)	3	
14	0860038	Box, Switch	1	
15		Control Box Assembly Options:	1	
	0861538	60Hz Generator		
	0861572	50Hz Generator		
	7024488	Card, Circuit - Generator Power	1	
	Not Available	Fuse (Purchase Locally)	1	
	7024489	Card, Circuit - Control	1	
		Note: Same Circuit Card (P/N 7024489) is used for both 60Hz & 50Hz. When replacing card, rocker switch on card must be set for required application.	Ref.	
	70000619	Harness, Circuit Card	1	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
16	0902888	Bracket, Box Mounting	1	
17	0962520	Bushing, Split Taper	1	
18	1320318	Clamp (400S/460SJ/450A Series II/450AJ Series II)	1	
19	2820031	Insulator	1	
20		Nameplate Options:	1	
	3252764	All Except 1100SJP/1200SJP/1250AJP/1350SJP/1500SJ		
	3251102	1100SJP/1200SJP/1250AJP/1350SJP/1500SJ Only		
21	3271801	Nut 1/2"-13NC (Grade 8) (400S/460SJ/450A Series II/450AJ Series II)	1	
22		Nut Options:	3	
	3311505	5/16"-18NC (Locking)		
	3311508	5/16"-18NC (Serrated Flange)		
23	3311801	Nut 1/2"-13NC	2	
24	Use 70001975	Tensioner, Belt (was p/n 7024482 & p/n 3580317)	1	
25		Pulley Options:	1	
	3580318	60Hz Generator		
	3580319	50Hz Generator		
26	3580320	Pulley (400S/460SJ/450A Series II/450AJ Series II)	1	
27	3910606	Screw #6-32NC x 3/8"	4	
28	3931628	Screw 3/8"-16NC x 1 3/4" (400S/460SJ/450A Series II/450AJ Series II)	4	
29	3960422	Gasket	1	
30	4032014	Bolt M10 x 50mm (400S/460SJ/450A Series II/450AJ Series II)	4	
31	4060802	Guard, Switch	1	
32		Stud Options:	2	
	1001163599	All Except 1100SJP/1200SJP/1250AJP/1350SJP/1500SJ		
	4300157	1100SJP/1200SJP/1250AJP/1350SJP/1500SJ Only		
33	4360336	Switch, Toggle	1	
34	4460071	Connector, Strain Relief	1	
35	4460346	Receptacle	1	
36	4711400	Flatwasher 1/4" Narrow	A/R	
37		Flatwasher Options:	A/R	
	4711500	Flatwasher 5/16" Narrow		
	4751500	Flatwasher 5/16" Wide		
37	4711500	Flatwasher 5/16" Narrow	6	
38	4711600	Flatwasher 3/8" Narrow	1	
39	4751000	Flatwasher #10	4	
40	4791400	Starwasher 1/4"	2	
41	4812200	Flatwasher 14mm (400S/460SJ/450A Series II/450AJ Series II)	3	
42	4891800	Flatwasher 1/2" Hardened	4	
43		Harness, Generator Options:	1	
	4922925	All Models except 1100SJP/1200SJP,1350SJP, 1250AJP/1500SJ		
	4922972	1100SJP/1200SJP,1350SJP, 1250AJP/1500SJ Only		
44	Not Used			
45	1001135679	Adapter (400S/460SJ & 450A Series II/450AJ Series II)	1	
46	1001136988	Generator Assembly	1	
	70001100	Armature, Generator (Includes Radial Ball Bearing on End with Brushes and Fan) (Not Shown)	1	
	70003631	Brushholder Assembly (Not Shown)	1	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.	
46 Cont'd	7024485	Breaker, Circuit 30Amp (Not Shown)	1		
	70001696	Boot, Breaker (was p/n 7024486 - Not Shown)	1		
	7027799	Block, Connection - 6 Position (Not Shown)	1		
	7026597	Connector, W/Lead (Not Shown)	1		
	70004098	Connector, Clamp (Not Shown)	1		
	70001974	Decal - Terminal Connections (Not Shown)	1		
	70004095	Panel, End (Not Shown)	1		
	70004093	Stator (Not Shown)	1		
	70002297	Stud (Not Shown)	4		
	70001384	Bearing, Ball Radial	1		
	46A	70004099	Key	1	
	46B	70003708	Ring, Retaining (Internal)	1	
	46C	70003709	Ring, Retaining (External)	1	
	46D	70001966	Bearing, Radial Ball	1	
46E	70001953	Endbell, Belt Tensioner	1		
46F	70004094	Endbell, Shroud Assembly	1		
46G	70004096	Endbell, Brush Block	1		
46H	70001973	Decal - Warning Moving Parts	1		
46J	2820031	Insulator, Endbell	1		
47		Bracket, Support Options:	1		
	1001142643	All Models except 1100SJP/1200SJP,1350SJP, 1250AJP/ 1500SJ			
	1001138011	1100SJP/1200SJP,1350SJP, 1250AJP/1500SJ Only			
48		Junction Box Assembly Options (See Items 101-122 for Break- down):	1		
	1001157592	60Hz Generator			
	1001157525	50Hz Generator			
49	1001146670	Generator/Engine Mount (400S/460SJ/450A Series II/450AJ Series II)	1		
50	1001110873	Cover, Receptacle	1		
51		Belt Options:	1		
	1001142646	All Models except 1100SJP/1200SJP,1350SJP, 1250AJP/ 1500SJ			
		1100SJP/1200SJP,1350SJP, 1250AJP/1500SJ Only			
	1001142645	60Hz Generator			
	1001136357	50Hz Generator			
52	3311005	Locknut #10-24NC	4		
53	3311405	Locknut 1/4"-20NC (450A Series II/450AJ Series II/800S/860SJ)	4		
54	3300454	Nut 1/4"-20NC (U-Style) (Required Only on 600A/600AJ)	4		
55	4240018	Tie-Strap (Not Shown)	A/R		
56	1001145330	Bracket, ECM Mounting (Not Shown) (Required Only on 600A/ 600AJ)	1		
57	0641410	Bolt 1/4"-20NC x 1 1/4" (Required Only on 600A/600AJ)	4		
58	1001110425	Spacer (Required Only on 600A/600AJ)	4		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		JUNCTION BOX ASSEMBLY	Ref.	
	1001157592	60Hz Specs	Ref.	A
	1001157525	50Hz Specs	Ref.	A
101	1060343	Cable, Electrical 10/4 (60Hz Spec Only)	1.5ft/.46m	
102		Cable, Electrical 12/3	2 ft/.6m	
	1060494	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
103	1671092	Cover (60Hz Spec Only)	1	
104	3300396	Cover, Fuse	1	
105	3311001	Nut 10-24NC	6	
106	4360070	Circuit Breaker - 15 Amp	1	
107	Not Used			
108	4460425	Strain Relief, Terminal	1	
	3520192	Plug (50Hz Spec Only)	1	
109	4460426	Connector, Strain Relief	2	
110	Not Used			
111	4460963	Connector (60Hz Spec Only)	1	
112	4711000	Flatwasher 10 (Narrow)	10	
113	Not Used			
114	10702077	Screw 10-32NC x 3/8"	2	
115	10702082	Screw 10-32NC x 3/4"	2	
116	1001152525	Plug	1	
117	1001157520	Block, Terminal	1	
118	1001157521	Box, Junction	1	
119	1001157528	Decal - Wiring Schematic	1	
120	1001158007	Plate, Cover	1	
121	1001158008	Standoff, Threaded	2	
122	3520189	Plug (50Hz Spec Only)	1	
		DECAL INSTALLATION	Ref.	
	0272435	60Hz Specs (All models except 450A Series II/450AJ Series II)	Ref.	B
	0273380	60Hz Specs (450A Series II/450AJ Series II Only)	Ref.	A
	0272589	50Hz Specs	Ref.	A
201	1705460	Decal - SkyPower™	2	
202	1705374	Decal - 240V - 60Hz (60Hz Spec Only)	1	
203		Decal - 240V - 3 Phase Options:	1	
	1705375	60Hz Spec	1	
	1705461	50Hz Spec	1	
204		Decal, Hazardous Voltage Options:	3	
	1705387	60Hz Spec		
	1705489	50Hz Spec		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	1001157770	ELECTRICAL DIAGRAM COMPONENTS	Ref.	A
301	1001119968	Generator Harness Options:	1	
	1001117078	Fuseholder (Not Shown)	1	
	2400064	Fuse - 5 Amp (Not Shown)	1	
	4460967	Plug, Male 3 Position	1	
	4460465	Socket, Female	3	
302	Not Used			
303	4922641	Switch Harness	1	
304	See Note	Cable, Electrical	A/R	
		(Note: See Model Specific Parts Manual for Call-out.)		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

PARTS (PERKINS ENGINE MACHINES)

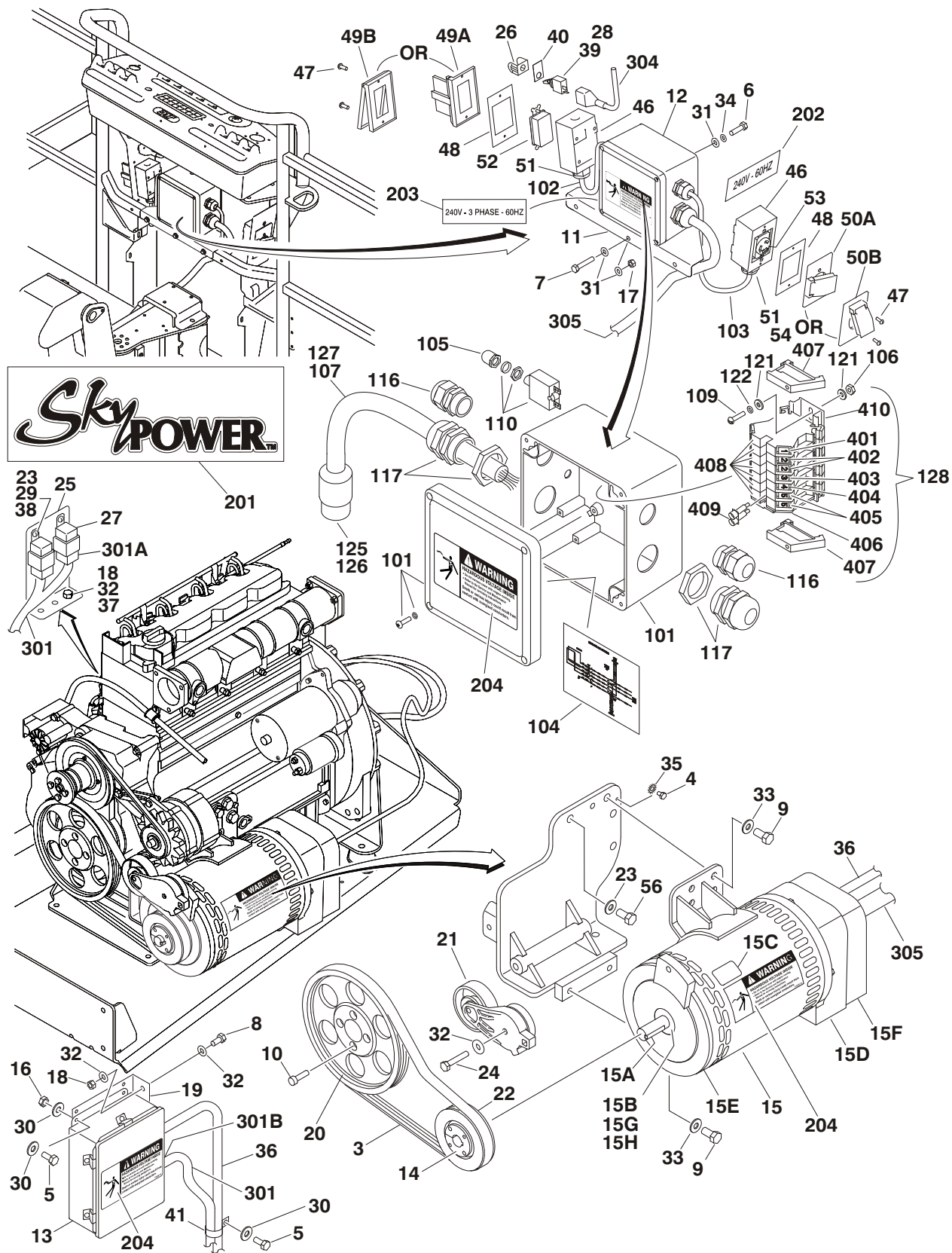


Figure 2-3. SkyPower™ Parts Drawing - Belt Driven Generator (Perkins Engine Machines)

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 2-3.		SKYPOWER™ BELT DRIVEN (PERKINS ENGINE MACHINES)	Ref.	
		Machines without UGM:	Ref.	
		1001097331 400S/460SJ 60Hz Spec	Ref.	D
		1001097332 400S/460SJ 50Hz Spec	Ref.	C
		1001097400 450A Series II/450AJ Series II 60Hz Spec	Ref.	D
		1001097401 450A Series II 50Hz Spec	Ref.	D
		1001097401 450AJ Series II/510AJ 50Hz Spec (ANSI Export & Japanese Specs Only)	Ref.	D
		1001097583 450AJ Series II/510AJ 50Hz Spec (CE & Australian Specs Only)	Ref.	C
		1001097512 510AJ 50Hz Spec	Ref.	C
		Machines with UGM:	Ref.	
		1001112101 400S/460SJ 60Hz Spec	Ref.	A
		1001112408 400S/460SJ 50Hz Spec	Ref.	A
		1001111404 450A Series II/450AJ Series II 60Hz Spec (Prior to S/N 0300160835)	Ref.	B
		1001146620 450A Series II/450AJ Series II 60Hz Spec (S/N 0300160835 to Present)	Ref.	A
		1001111818 450A Series II/450AJ Series II/510AJ 50Hz Spec	Ref.	A
		1001112044 450A Series II/450AJ Series II/510AJ 50Hz (CE & Australian Specs Only)	Ref.	A
		1001111910 510AJ 50Hz Spec	Ref.	A
			Note: See Model Specific Parts Manual for Boom Cable Callouts.	Ref.
1	0100011	Locking, Compound	A/R	
2	0100019	Locking, Compound	A/R	
3		Belt, Drive Options:	1	
	0480129	60Hz Generator		
	0480126	50Hz Generator		
4	0641403	Bolt 1/4"-20NC x 3/8"	1	
5		Bolt 1/4"-20NC Options:	4	
	0641404	1/2" Length		
	0641407	7/8" Length		
	0641408	1" Length		
6		Bolt 5/16"-18NC Options:	4	
	0641505	5/8" Length		
	0641508	1" Length		
7	0641516	Bolt 5/16"-18NC x 2"	3	
8	0641614	Bolt 3/8"-16NC x 1 3/4" (Not Required on 510AJ)	2	
9	0641808	Bolt 1/2"-13NC x 1"	4	
10	0701217	Bolt M12 x 45mm	3	
11	0902888	Bracket, Junction Box Mounting	1	
12		Junction Box Assembly Options (See Items 101-128 for Breakdown):	1	
	0861542	60Hz Spec		
	0861567	50Hz Spec		
13		Control Box Assembly Options:	1	
	0861538	60Hz Generator		
	0861572	50Hz Generator		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
13 Cont'd	7024488	Card, Circuit - Generator Power	1	
	Not Available	Fuse (Purchase Locally)	1	
	7024489	Card, Circuit - Control	1	
		Note: Same Circuit Card (P/N 7024489) is used for both 60Hz & 50Hz. When replacing card, rocker switch on card must be set for required application.	Ref.	
	70000619	Harness, Circuit Card	1	
14	0962520	Bushing, Split Taper	1	
15	2460048	Generator Assembly	1	
	Use 70003631	Brushholder Assembly (Not Shown) (was p/n 7024484)	1	
	7024485	Breaker, Circuit 30Amp (Not Shown)	1	
	70001696	Boot, Breaker (was p/n 7024486 - Not Shown)	1	
	7027799	Block, Connection - 6 Position (Not Shown)	1	
	70002460	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	6	
	7026597	Connector, W/Lead (Not Shown)	1	
	7026188	Connector, Clamp (Not Shown)	1	
	See Note	Panel, End (Not Shown)	1	
		(Note: Was p/n 70002255 - Use p/n 70004170 Kit as replacement for Perkins Engine Machines.)		
		Stator Options (Not Shown):	1	
	70001969	2460050 Generator	1	
	70002088	2460048 Generator	1	
	70001974	Decal - Terminal Connections (Not Shown)	1	
	70000863	Fan (Not Shown)	1	
	70002297	Stud (Not Shown)	4	
	70001100	Armature, Generator (Includes Radial Ball Bearing on End with Brushes and Fan)	1	
	70001384	Bearing, Ball Radial	1	
15A	Use 70004171	Key (was p/n 7024561)	1	
15B	70001966	Bearing, Radial Ball	1	
15C	70001973	Decal - Warning Moving Parts	1	
15D	See Note	Endbell, Brush Block	1	
		(Note: Was p/n 70001385 - Use p/n 70004170 Kit as replacement for Perkins Engine Machines.)		
15E	70001953	Endbell, Belt Tensioner	1	
15F	See Note	Endbell, Shroud Assembly	1	
		(Note: Was p/n 70002290 - Use p/n 70004170 Kit as replacement for Perkins Engine Machines.)		
15G	70003708	Ring, Retaining (Internal)	1	
15H	70003709	Ring, Retaining (External)	1	
16	3311405	Locknut 1/4"-20NC	4	
	3300454	Nut 1/4"-20NC (U-Style) (Required Only on 450A Series II/ 450AJ Series II S/N 0300160834 to Present)		
17	3311505	Locknut 5/16"-18NC	3	
18	3311605	Locknut 3/8"-18NC	A/R	
19	3574523	Bracket, Control Box Mounting (Not Required on 510AJ)	2	
20	3580316	Pulley, Crankshaft	1	
21	Use 70001975	Tensioner, Belt (was p/n 3580317)	1	
22		Pulley, Generator Options:	1	
	3580318	60Hz Generator		
	3580319	50Hz Generator		

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FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
23	3311005	Locknut #10-24NC	2	
24	0641618	Bolt 3/8"-16NC x 2 1/4"	1	
25	3574163	Bracket, Relay Mounting	1	
26	4060802	Guard, Switch	1	
27	3740080	Relay	2	
28	4360336	Switch, Toggle	1	
29	4751000	Flatwasher #10	4	
30	4711400	Flatwasher 1/4" Narrow	A/R	
31	4711500	Flatwasher 5/16" Narrow	10	
32	4711600	Flatwasher 3/8" Narrow	A/R	
33	4711800	Flatwasher 1/2" Narrow	4	
34	4761500	Lockwasher 5/16"	4	
35	4791400	Starwasher 1/4"	A/R	
36	4922925	Harness, Generator	1	
37	0641610	Bolt 3/8"-16NC x 1 1/4"	1	
38	0721004	Screw #10-24NC x 1/2"	2	
39	2820031	Heat Shrink	A/R	
40	3252764	Nameplate	1	
41	1320318	Clamp, Hose	A/R	
42	4240018	Strap, Tie (Not Shown)	A/R	
43 to 45	Not Used			
		Note: Items #46 - #54 used on all installations except #1001097512, #1001097583, #1001111910 & #1001112044.	Ref.	
46	0860038	Box, Switch	2	
47	3910606	Screw #6-32NC x 3/8"	8	
48	3960422	Gasket	2	
49		Cover, Receptacle Options:	1	
49A	4060700	Cover, Side Hinged		
49B	1001110873	Cover, Top Hinged		
50		Cover, Receptacle Options:	1	
50A	4061043	Cover, Side Hinged		
50B	1001110872	Cover, Top Hinged		
51	4460071	Connector, Strain Relief	A/R	
52	4460346	Receptacle, Female (110-120V)	1	
53	4460958	Receptacle, Female Twist-Lock (220-240V Single)	1	
54	4460051	Connector, Strain Relief	A/R	
		JUNCTION BOX ASSEMBLY	Ref.	
	0861542	60Hz Specs	Ref.	D
	0861567	50Hz Specs	Ref.	B
101	0861541	Box, Junction	1	
102		Cable, Electrical 12/3	2 ft/.6m	
	1060494	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
103		Cable, Electrical 10/3	2.5ft/.76m	
	1060708	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
104	1705376	Decal - Wiring Schematic	1	
105	3300396	Cover, Fuse	1	
106	3310601	Nut 6-32NC	2	
107	1060343	Cable, Electrical 10/4 (60Hz Spec Only)	1.5ft/.46m	
108	Not Used			
109	3910610	Bolt 6-32NC x 5/8	2	
110	4360070	Circuit Breaker - 15 Amp	1	
111 to 115	Not Used			
116	4460425	Strain Relief, Terminal	2	
117	4460426	Connector, Strain Relief	2	
118 to 120	Not Used			
121	4750600	Flatwasher, #6 Wide	4	
122	4760600	Lockwasher #6	2	
123 to 124	Not Used			
125	1671092	Cover (60Hz Spec Only)	1	
126	4460963	Connector (60Hz Spec Only)	1	
127	3520189	Plug (50Hz Spec Only)	1	
128		Terminal Block Assembly Options (See Items 401-410 for Breakdown):	1	
	NPN	Gray Terminal Block Assembly		
	1001121340	Tan Terminal Block Assembly		
		DECAL INSTALLATION	Ref.	
	0272435	60Hz Specs (400S/460SJ)	Ref.	B
	0273380	60Hz Specs (450A Series II/450AJ Series II)	Ref.	A
	0272589	50Hz Specs	Ref.	A
201	1705460	Decal - SkyPower™	2	
202	1705374	Decal - 240V - 60Hz (60Hz Spec Only)	1	
203		Decal - 240V - 3 Phase Options:	1	
	1705375+	60Hz Spec	1	
	1705461	50Hz Spec	1	
204		Decal, Hazardous Voltage Options:	3	
	1705387	60Hz Spec		
	1705489	50Hz Spec		
		ELECTRICAL DIAGRAM COMPONENTS	Ref.	
	4933264	Machines without UGM	Ref.	C
	1001112586	Machines with UGM	Ref.	A
301		Generator Harness Options:	1	
	4922757	Machines without UGM		3/C
	1001112587	Machines with UGM		A
301A	4460374	Plug, Sealed Relay	2	
	4460375	Terminal	7	
301B	4460967	Plug, Male - 3 Position	1	
	4460465	Socket, Female	3	
301C	2400060	Fuseholder (Not Shown)	1	
	2400064	Fuse - 5 Amp (Not Shown)	1	

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FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
301D	4460742	Plug, Male 2 Position (With UGM Only)	1	
	4460743	Terminal, Female (With UGM Only)	2	
	4460458	Seal (With UGM Only)	2	
302 to 303	Not Used			
304	4922641	Switch Harness	1	
305	See Note	Cable, Electrical (Note: See Model Specific Parts Manual for Call-out.)	A/R	
		TERMINAL BLOCK ASSEMBLY	Ref.	
	NPN	Gray Terminal Block Assembly (Complete Assembly Not Available - Purchase Individual Components)	Ref.	
	1001121340	Tan Terminal Block Assembly	Ref.	A
401		Marker Strip #1 Options:	2	
	4460411	Gray Terminal Block Assembly		
	70002818	Tan Terminal Block Assembly		
402		Marker Strip #2 Options:	A/R	
	4460412	Gray Terminal Block Assembly	A/R	
		Prior to S/N 0300072911	2	
		S/N 0300072911 to Present	4	
	70002819	Tan Terminal Block Assembly	4	
403		Marker Strip #3 Options:	2	
	4460413	Gray Terminal Block Assembly		
	70002820	Tan Terminal Block Assembly		
404		Marker Strip #4 Options:	2	
	4460414	Gray Terminal Block Assembly		
	70002821	Tan Terminal Block Assembly		
405		Marker Strip #5 Options:	A/R	
	4460415	Gray Terminal Block Assembly	A/R	
		Prior to S/N 0300072911	2	
		S/N 0300072911 to Present	4	
	70002822	Tan Terminal Block Assembly	4	
406		Terminal, End Barrier Options:	1	
	4460956	Gray Terminal Block Assembly		
	70002823	Tan Terminal Block Assembly		
407		Terminal, End Block Options:	2	
	4460607	Gray Terminal Block Assembly		
	70002824	Tan Terminal Block Assembly		
408		Terminal, Block Options:	A/R	
	4460957	Gray Terminal Block Assembly	A/R	
		Prior to S/N 0300072911	5	
		S/N 0300072911 to Present	7	
	70002825	Tan Terminal Block Assembly	7	
409		Terminal, Cross Connector Jumper Options:	2	
	4461001	Gray Terminal Block Assembly		
	70002826	Tan Terminal Block Assembly		
410		Rail, Relay Options:	1	
	3640986	Prior to S/N 0300072911		
	3641533	S/N 0300072911 to Present		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

PARTS (FORD ENGINE MACHINES)

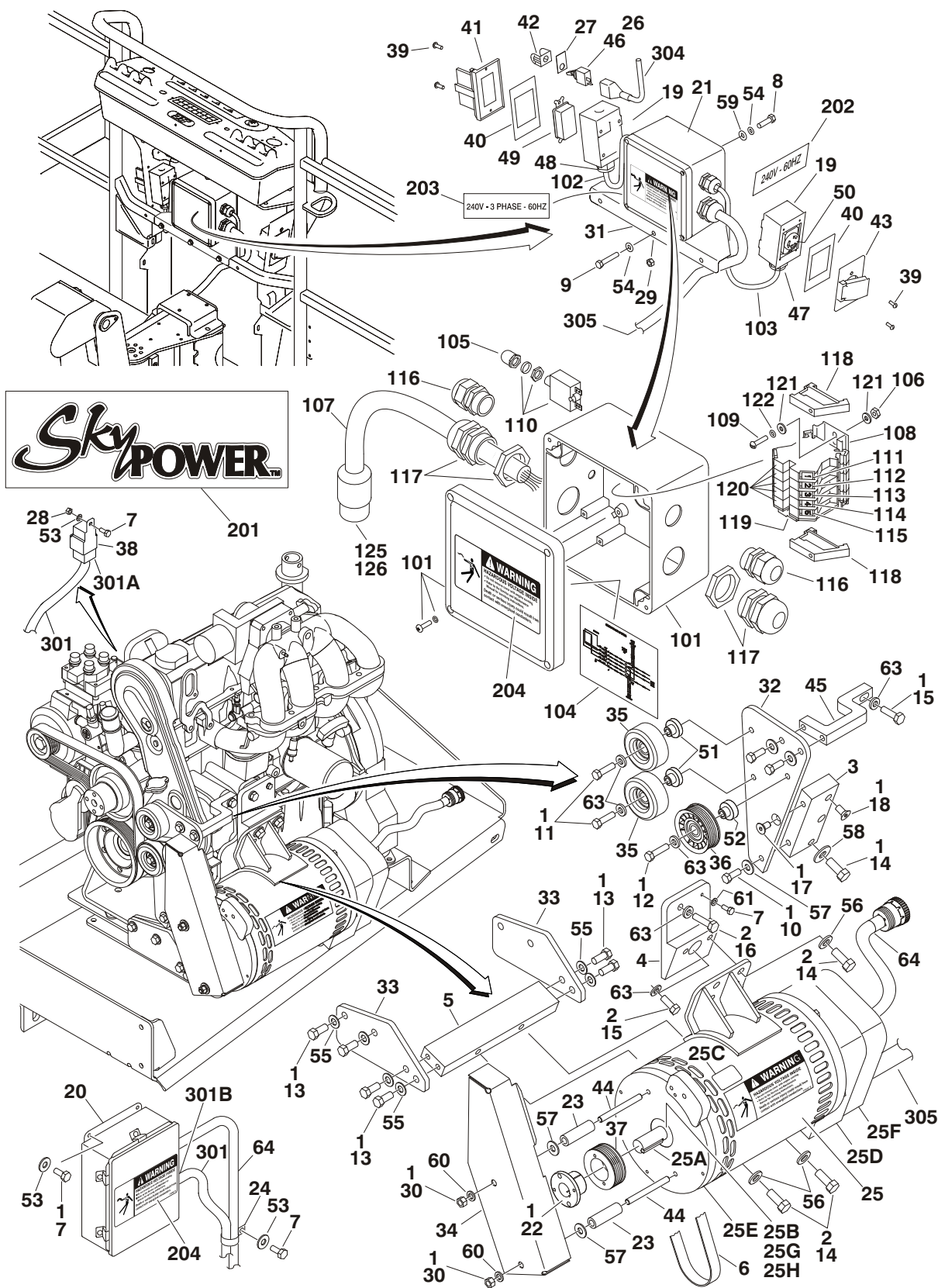


Figure 2-4. SkyPower™ Parts Drawing - Belt Driven Generator (Ford Engine Machines)

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 2-4.		SKYPOWER™ BELT DRIVEN (FORD ENGINES)	Ref.	
		400S/460SJ	Ref.	F
		450A/450AJ Series II	Ref.	B
		600A/600AJ	Ref.	F
		600S/600SJ/660SJ/800A/800AJ/800S/860SJ	Ref.	F
		Note: See Model Specific Parts Manual for Boom Cable Callouts.	Ref.	
1	0100011	Locking, Compound	A/R	
2	0100019	Locking, Compound	A/R	
3	0363097	Bar, Pulley Mount	1	
4	0363201	Bar, Generator Mount (Top)	1	
5	0363202	Bar, Generator Mount (Bottom)	1	
6		Belt, Generator Options:	1	
	0480130	400S/460SJ		
	0480131	450A Series II/450AJ Series II/600A/600AJ/600S/600SJ/ 660SJ/800A/800AJ/800S/860SJ		
7	0641405	Bolt 1/4"-20NC x 5/8"	8	
8	0641505	Bolt 5/16"-18NC x 5/8"	4	
9	0641516	Bolt 5/16"-18NC x 2"	3	
10	0641608	Bolt 3/8"-16NC x 1"	3	
11	0641611	Bolt 3/8"-16NC x 1 3/8"	2	
12	0641612	Bolt 3/8"-16NC x 1 1/2"	1	
13	0641708	Bolt 7/16"-14NC x 1"	8	
14	0641810	Bolt 1/2"-13NC x 1 1/4"	5	
15	0701015	Bolt, Metric M10 x 35mm	2	
16	0701016	Bolt, Metric M10 x 40mm	1	
17	0741606	Screw, Flathead Countersunk 3/8"-16NC x 3/4"	1	
18	0741808	Screw, Flathead Countersunk 1/2"-13NC x 1"	1	
19	0860038	Box, Switch	2	
20	Use 0861538	Control Box Assembly (was p/n 7024487):	1	
	7024488	Card, Circuit - Generator Power	1	
	Not Available	Fuse (Purchase Locally)	1	
	7024489	Card, Circuit - Control	1	
	70000619	Harness, Circuit Card	1	
	3574523	Bracket, Control Box Mounting (450A Series II/450AJ Series II Only)	1	
21	0861542	Junction Box Assy (See Items 101-126 for Breakdown)	1	
22	0962520	Bushing, Split Taper	1	
23		Spacer, Tube Options:	A/R	
	Not Required	400S/450A Series II/450AJ Series II/460SJ	0	
	0962521	600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ	2	
24		Clamp Options:	A/R	
	1320224	400S/460SJ (was p/n 1320169)	1	
	Not Required	450A Series II/450AJ Series II/600A/600AJ	0	
	1320224	600S/600SJ/660SJ/800A/800AJ/800S/860SJ (was p/n 1320041)	1	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
25	2460048	Generator Assembly	1	
	Use 70003631	Brushholder Assembly (Not Shown) (was p/n 7024484)	1	
	7024485	Breaker, Circuit 30Amp (Not Shown)	1	
	70001696	Boot, Breaker (was p/n 7024486 - Not Shown)	1	
	7027799	Block, Connection - 6 Position (Not Shown)	1	
	70002460	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	6	
	7026597	Connector, W/Lead (Not Shown)	1	
	7026188	Connector, Clamp (Not Shown)	1	
	See Note	Panel, End (Not Shown)	1	
		(Note: Was p/n 70002255 - Use p/n 70004169 Kit as replacement for Ford Engine Machines)		
		Stator Options (Not Shown):	1	
	70001969	2460050 Generator	1	
	70002088	2460048 Generator	1	
	70001974	Decal - Terminal Connections (Not Shown)	1	
	70000863	Fan (Not Shown)	1	
	70002297	Stud (Not Shown)	4	
	70001100	Armature, Generator (Includes Radial Ball Bearing on End with Brushes and Fan)	1	
	70001384	Bearing, Ball Radial	1	
25A	Use 70004171	Key (was p/n 7024561)	1	
25B	70001966	Bearing, Radial Ball	1	
25C	70001973	Decal - Warning Moving Parts	1	
25D	See Note	Endbell, Brush Block	1	
		(Note: Was p/n 70001385 - Use p/n 70004169 Kit as replacement for Ford Engine Machines)		
25E	70001953	Endbell, Belt Tensioner	1	
25F	See Note	Endbell, Shroud Assembly	1	
		(Note: Was p/n 70002290 - Use p/n 70004169 Kit as replacement for Ford Engine Machines)		
25G	70003708	Ring, Retaining (Internal)	1	
25H	70003709	Ring, Retaining (External)	1	
26	2820031	Insulator	1	
27	3252764	Nameplate	1	
28	3311405	Locknut 1/4"-20NC	6	
29	3311505	Locknut 5/16"-18NC	3	
30		Nut 3/8"-16NC Options:	A/R	
	Not Required	400S/450A Series II/450AJ Series II/460SJ	0	
	3311601	600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ	2	
31		Bracket, Box Mounting Options:	1	
	Use 0902888	400S/460SJ Prior to S/N 0300075078 (was p/n 3573668)		
	0902888	400S/460SJ S/N 0300075078 to Present		
	0902888	450A Series II/450AJ Series II/		
	Use 0902888	600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ Prior to S/N 0300075304 (was p/n 3573668)		
	0902888	600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ S/N 0300075304 to Present		
32	3574225	Plate, Pulley Mounting	1	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
33		Plate, Gusset Generator Mounting Options:	2	
	3574230	400S/460SJ		
	3574224	450A Series II/450AJ Series II/		
	3574229	600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ		
34		Plate, Shield Options:	A/R	
	Not Required	400S/450A Series II/450AJ Series II/460SJ	0	
	3574262	600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ	2	
35	3580312	Pulley, Idler	2	
36	3580313	Pulley, Idler Grooved	1	
37	3580314	Pulley, Drive Grooved	1	
38	3740080	Relay Options:	A/R	
		Prior to S/N 78196	1	
		S/N 78196 to Present	2	
	3574163	Bracket, Relay Mounting (450A Series II/450AJ Series II Only)	1	
39	3910606	Screw #6-32NC x 3/8"	8	
40	3960422	Gasket	2	
41	4060700	Cover, Receptacle	1	
42	4060802	Guard, Switch	1	
43	4061043	Cover, Receptacle	1	
44		Stud Options:	A/R	
	Not Required	400S/450A Series II/450AJ Series II/460SJ	0	
	4300111	600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ	2	
45	4340738	Support, Idler Pulley Mount	1	
46	4360336	Switch, Toggle	1	
47	4460051	Connector, Strain Relief	1	
48	4460071	Connector, Strain Relief	1	
49	4460346	Receptacle	1	
50	4460958	Receptacle, Female Twist-Lock	1	
51	4568734	Tube, Spacer Pulley	2	
52	4568735	Tube, Spacer Pulley Grooved	1	
53	4711400	Flatwasher 1/4" Narrow	10	
54	4711500	Flatwasher 5/16" Narrow	10	
55		Flatwasher 7/16" Options:	8	
	4711700	Narrow Flatwasher 400S/450A Series II/450AJ Series II/ 460SJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ		
	4891700	Hardened Flatwasher 600A/600AJ		
56		Flatwasher 1/2" Options:	4	
	4711800	Narrow Flatwasher 400S/450A Series II/450AJ Series II/ 460SJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ		
	4891800	Hardened Flatwasher 600A/600AJ		
57	4751600	Flatwasher 3/8" Wide	5	
58	4751800	Flatwasher 1/2" Wide	1	
59	4761500	Lockwasher 5/16"	4	
60		Lockwasher 3/8"	A/R	
	Not Required	400S/450A Series II/450AJ Series II/460SJ	0	
	4761600	600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ	2	
61	4791400	Starwasher 1/4"	1	
62	Not Used			
63	4891600	Washer, Hardened 3/8"	6	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
64		Harness, Generator Options:	1	
	4922925	400S/450A Series II/450AJ Series II/460SJ/600S/600SJ/		
	4922905	660SJ/800A/800AJ/800S/860SJ		
		600A/600AJ		
	0861542	JUNCTION BOX ASSEMBLY	Ref.	C
101	0861541	Box, Junction	1	
102	1060494	Cable, Electrical 12/3	2ft/.6m	
103	1060708	Cable, Electrical 10/3	2.5ft/.76m	
104	1705376	Decal - Wiring Schematic	1	
105	3300396	Cover, Fuse	1	
106	3310601	Nut 6-32NC	2	
107	1060343	Cable, Electrical 10/4	1.5ft/.46m	
108		Rail, Relay Options:	1	
	3640986	Prior to S/N 0300072911		
	3641533	S/N 0300072911 to Present		
109	3910610	Bolt 6-32NC x 5/8	2	
110	4360070	Circuit Breaker - 15 Amp	1	
111	4460411	Marker Strip #1	2	
112	4460412	Marker Strip #2	A/R	
		Prior to S/N 0300072911	2	
		S/N 0300072911 to Present	4	
113	4460413	Marker Strip #3	2	
114	4460414	Marker Strip #4	2	
115	4460415	Marker Strip #5	A/R	
		Prior to S/N 0300072911	2	
		S/N 0300072911 to Present	4	
116	4460425	Strain Relief, Terminal	2	
117	4460426	Connector, Strain Relief	2	
118	4460607	Terminal, End Stop	2	
119	4460956	Terminal, Block End	1	
120	4460957	Terminal, Block	A/R	
		Prior to S/N 0300072911	5	
		S/N 0300072911 to Present	7	
121	4750600	Flatwasher, #6 Wide	4	
122	4760600	Lockwasher #6	2	
123	4461001	Connector, Terminal (Not Shown - Located on Terminal Block) (S/N 72911 to Present Only)	2	
124	Not Used			
125	1671092	Cover	1	
126	4460963	Connector	1	
	0272435	DECAL INSTALLATION	Ref.	A
201	1705460	Decal - SkyPower™	2	
202	1705374	Decal - 240V - 60Hz	1	
203	1705375	Decal - 240V - 3 Phase	1	
204	1705387	Decal, Hazardous Voltage	3	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		ELECTRICAL DIAGRAM COMPONENTS	Ref.	
	4933283	400S/460SJ/ 600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ	Ref.	2/B
	4933316	450A/450AJ Series II	Ref.	1/A
301		Generator Harness Options:	1	
	4922905	Harness for 400S/460SJ/ 600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ		1/A
	4923199	Harness for 450A/450AJ Series II		1/A
301A	4460374	Plug, Sealed Relay	1	
	4460375	Terminal	4	
301B	4460967	Plug, Male - 3 Position	1	
	4460465	Socket, Female	3	
301C	2400060	Fuseholder (Not Shown)	2	
	2400064	Fuse - 5 Amp (Not Shown)	2	
302 to 303	Not Used			
304	4922641	Switch Harness	1	
305	See Note	Cable, Electrical (Note: See Model Specific Parts Manual for Call-out.)	A/R	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

PARTS (GM ENGINE MACHINES)

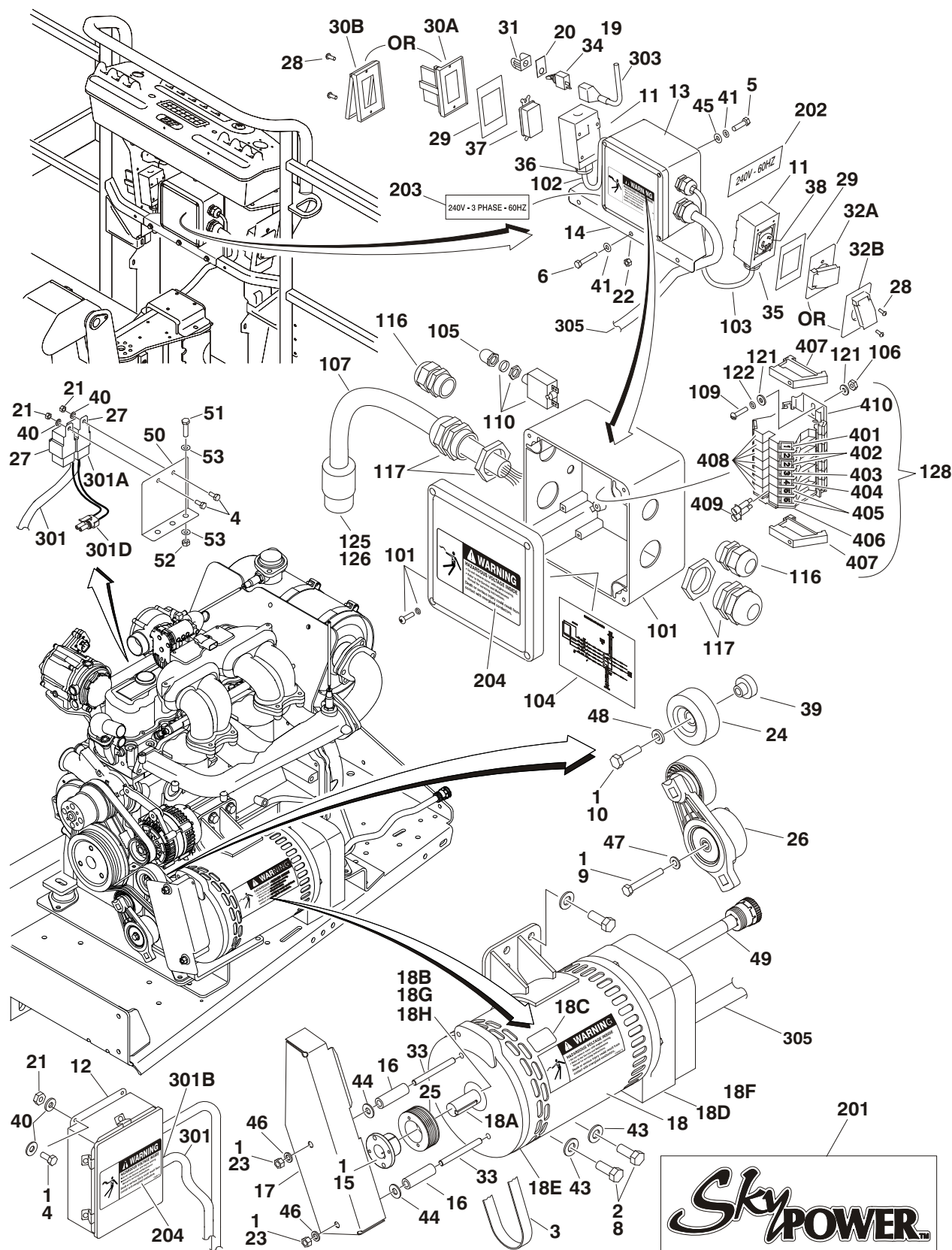


Figure 2-5. SkyPower™ Parts Drawing - Belt Driven Generator (GM Engine Machines)

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 2-5.		SKYPOWER™ BELT DRIVEN (GM ENGINES)	Ref.	
		0275057 400S/460SJ	Ref.	G
		0275035 450A/450AJ Series II (Prior to S/N 0300160835)	Ref.	G
		1001146621 450A/450AJ Series II (S/N 0300160835 to Present)	Ref.	A
		0275257 600A/600AJ/600S/600SJ/660SJ/800A/800AJ/800S/860SJ	Ref.	E
		Note: See Model Specific Parts Manual for Boom Cable Callouts.	Ref.	
1	0100011	Locking, Compound	A/R	
2	0100019	Locking, Compound	A/R	
3	0480142	Belt, Generator	1	
4		Bolt Options:	A/R	
	0641404	1/4"-20NC x 1/2" (400/460SJ)	5	
	0641405	1/4"-20NC x 5/8" (All except 400/460SJ)	A/R	
	0641408	1/4"-20NC x 1" (450A/450AJ Series II) (Prior to S/N 0300160835)	4	
	0641407	1/4"-20NC x 7/8" (450A/450AJ Series II) (S/N 0300160835 to Present)	4	
	0721004	#10-24 x 1/2" (450A/450AJ Series II)	2	
5	0641505	Bolt 5/16"-18NC x 5/8"	4	
6	0641516	Bolt 5/16"-18NC x 2"	3	
7	Not Used			
8	0641808	Bolt 1/2"-13NC x 1 1/4"	4	
9	0700820	Bolt, Metric M8 x 60mm	1	
10	0701016	Bolt, Metric M10 x 40mm	1	
11	0860038	Box, Switch	2	
12	0861538	Control Box Assembly	1	
	7024488	Card, Circuit - Generator Power	1	
	Not Available	Fuse (Purchase Locally)	1	
	7024489	Card, Circuit - Control	1	
	70000619	Harness, Circuit Card	1	
13	0861542	Junction Box Assembly (See Items 101-128 for Breakdown)	1	
14	0902888	Bracket, Box Mounting	1	
15	0962520	Bushing, Split Taper	1	
16	0962521	Spacer, Tube (USA Built Machines Prior to S/N 0300168212 & China Built Machines Prior to S/N B300000734)	2	
17	1671311	Cover, Generator Belt (USA Built Machines Prior to S/N 0300168212 & China Built Machines Prior to S/N B300000734)	1	
18	2460048	Generator Assembly	1	
	Use 70003631	Brushholder Assembly (Not Shown) (was p/n 7024484)	1	
	7024485	Breaker, Circuit 30Amp (Not Shown)	1	
	70001696	Boot, Breaker (was p/n 7024486 - Not Shown)	1	
	7027799	Block, Connection - 6 Position (Not Shown)	1	
	70002460	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	6	
	7026597	Connector, W/Lead (Not Shown)	1	
	7026188	Connector, Clamp (Not Shown)	1	
	See Note	Panel, End (Not Shown)	1	
		(Note: Was p/n 70002255 - Use p/n 70004169 Kit as replacement for GM Engine Machines)		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
18 Cont'd		Stator Options (Not Shown):	1	
	70001969	2460050 Generator	1	
	70002088	2460048 Generator	1	
	70001974	Decal - Terminal Connections (Not Shown)	1	
	70000863	Fan (Not Shown)	1	
	70002297	Stud (Not Shown)	4	
	70001100	Armature, Generator (Includes Radial Ball Bearing on End with Brushes and Fan)	1	
	70001384	Bearing, Ball Radial	1	
18A	Use 70004171	Key (was p/n 7024561)	1	
18B	70001966	Bearing, Radial Ball	1	
18C	70001973	Decal - Warning Moving Parts	1	
18D	See Note	Endbell, Brush Block (Note: Was p/n 70001385 - Use p/n 70004169 Kit as replacement for GM Engine Machines)	1	
18E	70001953	Endbell, Belt Tensioner	1	
18F	See Note	Endbell, Shroud Assembly (Note: Was p/n 70002290 - Use p/n 70004169 Kit as replacement for GM Engine Machines)	1	
18G	70003708	Ring, Retaining (Internal)	1	
18H	70003709	Ring, Retaining (External)	1	
19	2820031	Insulator	1	
20	3252764	Nameplate	1	
21		Locknut Options:	A/R	
	3311405	1/4"-20NC	6	
	3311005	#10-24NC	2	
	3300454	1/4"-20NC (U-Style)	4	
22	3311505	Locknut 5/16"-18NC	3	
23	3311601	Nut 3/8"-16NC	2	
24	3580312	Pulley, Idler	2	
25	3580314	Pulley, Drive Grooved	1	
26	3580348	Pulley, Belt Tensioner	1	
27	3740080	Relay	2	
28	3910606	Screw #6-32NC x 3/8"	8	
29	3960422	Gasket	2	
30		Cover, Receptacle Options:	1	
30A	4060700	Cover, Side Hinged		
30B	1001110873	Cover, Top Hinged		
31	4060802	Guard, Switch	1	
32		Cover, Receptacle Options:	1	
32A	4061043	Prior to S/N 0300137766		
32B	1001110872	S/N 0300137766 to Present		
33	4300111	Stud, Chain Assembly (USA Built Machines Prior to S/N 0300168212 & China Built Machines Prior to S/N B300000734)	2	
34	4360336	Switch, Toggle	1	
35	4460051	Connector, Strain Relief	1	
36	4460071	Connector, Strain Relief	1	
37	4460346	Receptacle	1	
38	4460958	Receptacle, Female Twist-Lock	1	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
39	4568735	Tube, Spacer Pulley Grooved	1	
40		Flatwasher Options:	A/R	
	4711400	1/4" Narrow	10	
	4751000	#10 Wide	4	
41	4711500	Flatwasher 5/16" Narrow	10	
42	Not Used			
43	4711800	Flatwasher 1/2" Narrow	4	
44	4751600	Flatwasher 3/8" Wide	2	
45	4761500	Lockwasher 5/16"	4	
46	4761600	Lockwasher 3/8"	2	
47	4811900	Flatwasher 8mm	1	
48	4891600	Washer, Hardened 3/8"	1	
49	4922925	Harness, Generator	1	
50	3574163	Bracket, Relay Mounting (450A/450AJ Series II Only)	1	
51	0641610	Bolt, 3/8"-16NC x 1 3/4" (450A/450AJ Series II Only)	3	
52	3311605	Locknut, 3/8"-16NC (450A/450AJ Series II Only)	3	
53	4711600	Flatwasher 3/8" Narrow (450A/450AJ Series II Only)	6	
54	0641614	Bolt, 3/8"-16NC x 1 3/4" (Not Shown - 400/460SJ Only)	2	
55	3574523	Bracket, Control Box Mounting (Not Shown - 400/460SJ Only)	2	
56	1320318	Clamp (Not Shown - 400/460SJ Only)	1	
57	4240018	Strap, Tie (Not Shown - 400/460SJ Only)	1	
	0861542	JUNCTION BOX ASSEMBLY	Ref.	D
101	0861541	Box, Junction	1	
102	1060494	Cable, Electrical 12/3	2ft/.6m	
103	1060708	Cable, Electrical 10/3	2.5ft/.76m	
104	1705376	Decal - Wiring Schematic	1	
105	3300396	Cover, Fuse	1	
106	3310601	Nut 6-32NC	2	
107	1060343	Cable, Electrical 10/4	1.5ft/.46m	
108	Not Used			
109	3910610	Bolt 6-32NC x 5/8	2	
110	4360070	Circuit Breaker - 15 Amp	1	
111 to 115	Not Used			
116	4460425	Strain Relief, Terminal	2	
117	4460426	Connector, Strain Relief	2	
118 to 120	Not Used			
121	4750600	Flatwasher, #6 Wide	4	
122	4760600	Lockwasher #6	2	
123 to 124	Not Used			
125	1671092	Cover	1	
126	4460963	Connector	1	
127	Not Used			
128		Terminal Block Assembly Options (See Items 401-410 for Breakdown):	1	
	NPN	Gray Terminal Block Assembly		
	1001121340	Tan Terminal Block Assembly		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

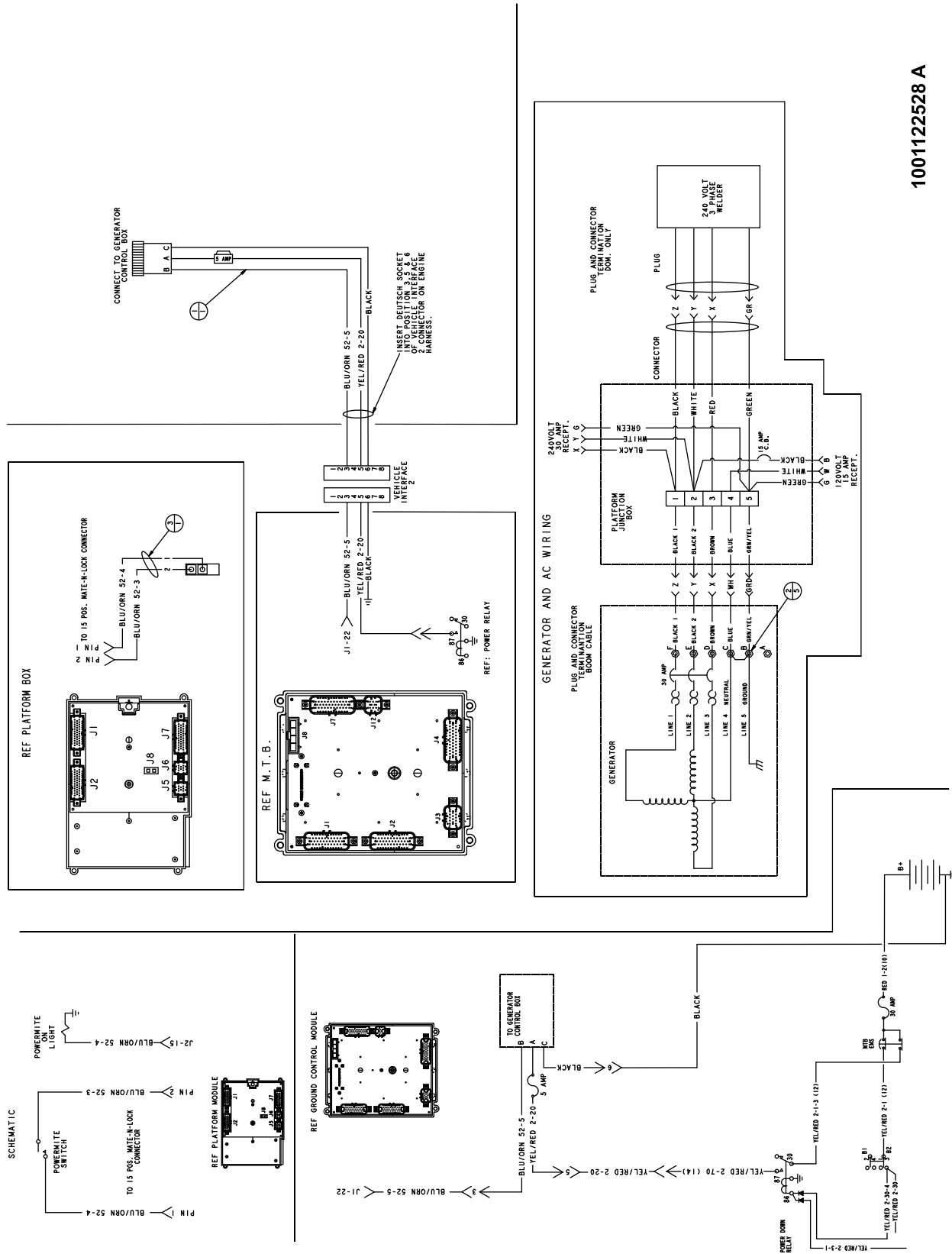
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0272435	DECAL INSTALLATION	Ref.	B
201	1705460	Decal - SkyPower™	2	
202	1705374	Decal - 240V - 60Hz	1	
203	1705375	Decal - 240V - 3 Phase	1	
204	1705387	Decal, Hazardous Voltage	3	
	4933349	ELECTRICAL DIAGRAM COMPONENTS	Ref.	B
301	4923420	Generator Harness	1	A
301A	4460374	Plug, Sealed Relay	2	
	4460375	Terminal	8	
301B	4460967	Plug, Male - 3 Position	1	
	4460465	Socket, Female	3	
301C	2400060	Fuseholder (Not Shown)	2	
	2400064	Fuse - 5 Amp (Not Shown)	2	
301D	4460742	Connector - 2 Position	1	
	4460743	Socket, Female	2	
	4460458	Seal	2	
302	Not Used			
303	4922641	Switch Harness	1	
304	Not Used			
305	See Note	Cable, Electrical (Note: See Model Specific Parts Manual for Call-out.)	A/R	
		TERMINAL BLOCK ASSEMBLY	Ref.	
	NPN	Gray Terminal Block Assembly (Complete Assembly Not Available - Purchase Individual Components)	Ref.	
	1001121340	Tan Terminal Block Assembly	Ref.	A
401		Marker Strip #1 Options:	2	
	4460411	Gray Terminal Block Assembly		
	70002818	Tan Terminal Block Assembly		
402		Marker Strip #2 Options:	A/R	
	4460412	Gray Terminal Block Assembly	A/R	
		Prior to S/N 0300072911	2	
		S/N 0300072911 to Present	4	
	70002819	Tan Terminal Block Assembly	4	
403		Marker Strip #3 Options:	2	
	4460413	Gray Terminal Block Assembly		
	70002820	Tan Terminal Block Assembly		
404		Marker Strip #4 Options:	2	
	4460414	Gray Terminal Block Assembly		
	70002821	Tan Terminal Block Assembly		
405		Marker Strip #5 Options:	A/R	
	4460415	Gray Terminal Block Assembly	A/R	
		Prior to S/N 0300072911	2	
		S/N 0300072911 to Present	4	
	70002822	Tan Terminal Block Assembly	4	

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
406	4460956	Terminal, End Barrier Options: Gray Terminal Block Assembly	1	
	70002823	Tan Terminal Block Assembly		
407	4460607	Terminal, End Block Options: Gray Terminal Block Assembly	2	
	70002824	Tan Terminal Block Assembly		
408	4460957	Terminal, Block Options: Gray Terminal Block Assembly	A/R	
		Prior to S/N 0300072911	A/R	
		S/N 0300072911 to Present	5	
	70002825	Tan Terminal Block Assembly	7	
409	4461001	Terminal, Cross Connector Jumper Options: Gray Terminal Block Assembly	2	
	70002826	Tan Terminal Block Assembly		
410		Rail, Relay Options:	1	
	3640986	Prior to S/N 0300072911		
	3641533	S/N 0300072911 to Present		

SECTION 2 - SKYPOWER™ (BELT DRIVEN)

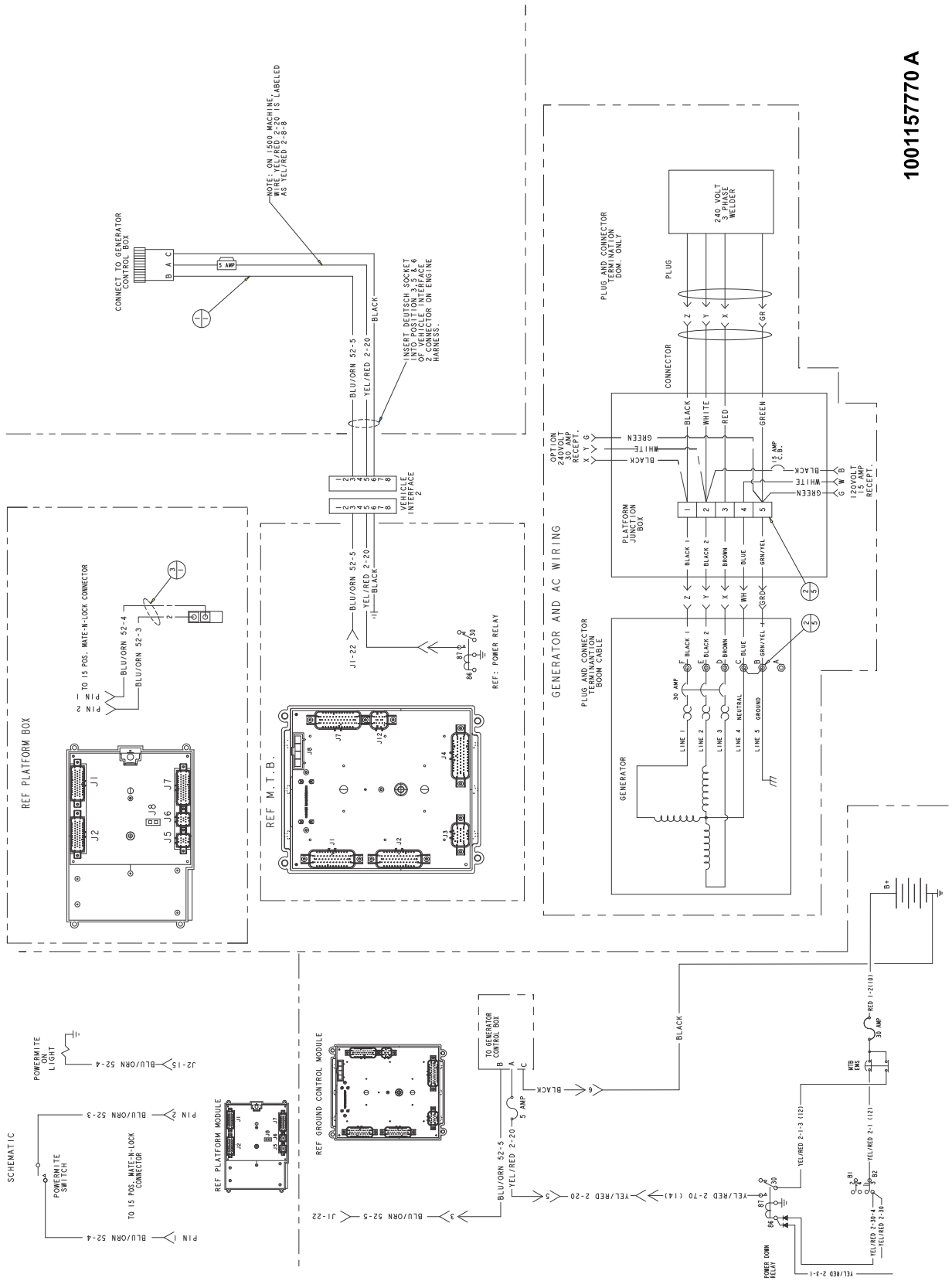
ELECTRIC SCHEMATIC



1001122528 A

Figure 2-8. SkyPower™ Electrical Schematic (Caterpillar/2011 Series Deutz Engine Machines with UGM) (1100SJP/1200SJP/1250AJP/1350SJP/1500SJP)

ELECTRIC SCHEMATIC

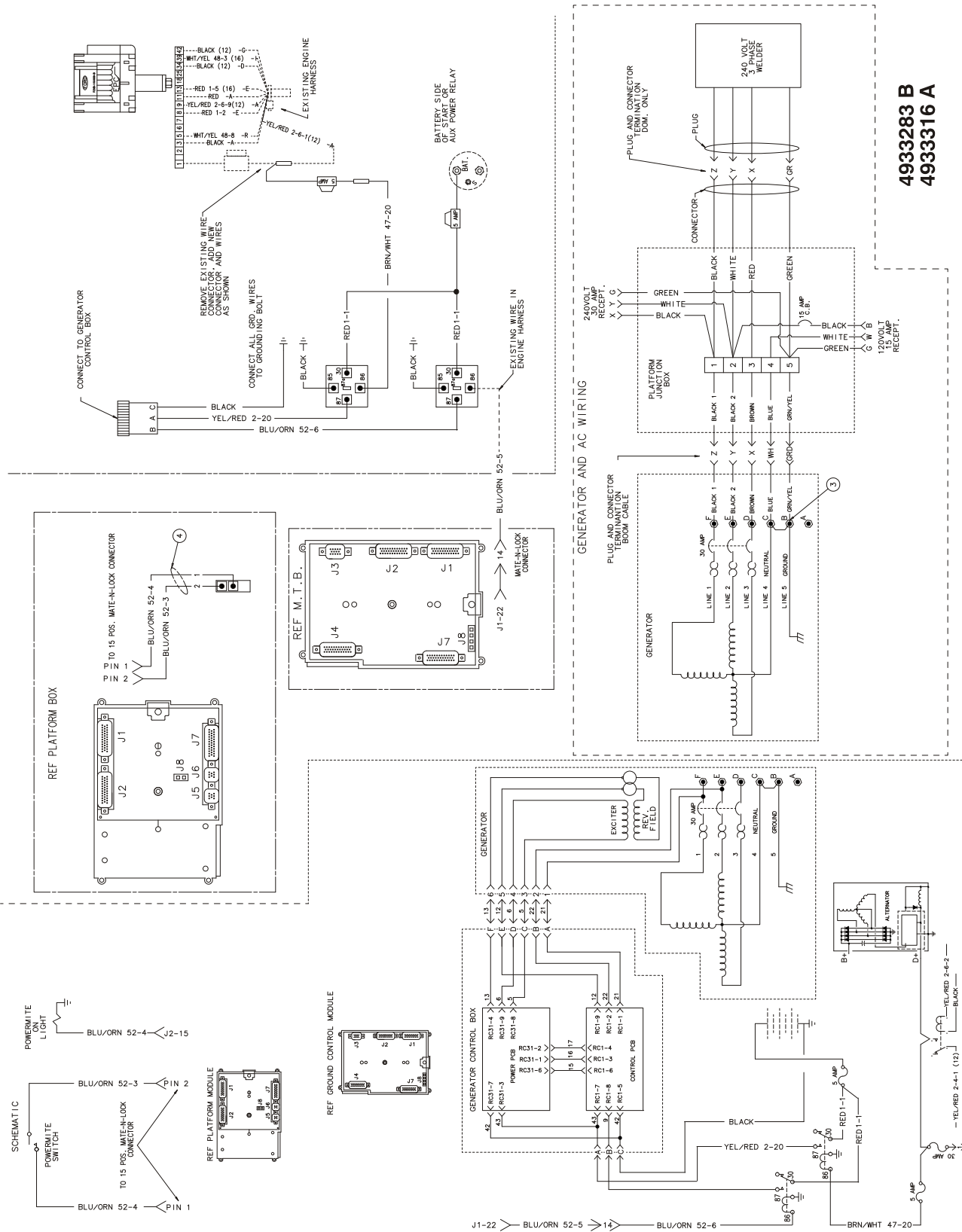


1001157770 A

Figure 2-9. SkyPower™ Electrical Schematic (TCD/TD2.9L4 Deutz Engine Machines with UGM)

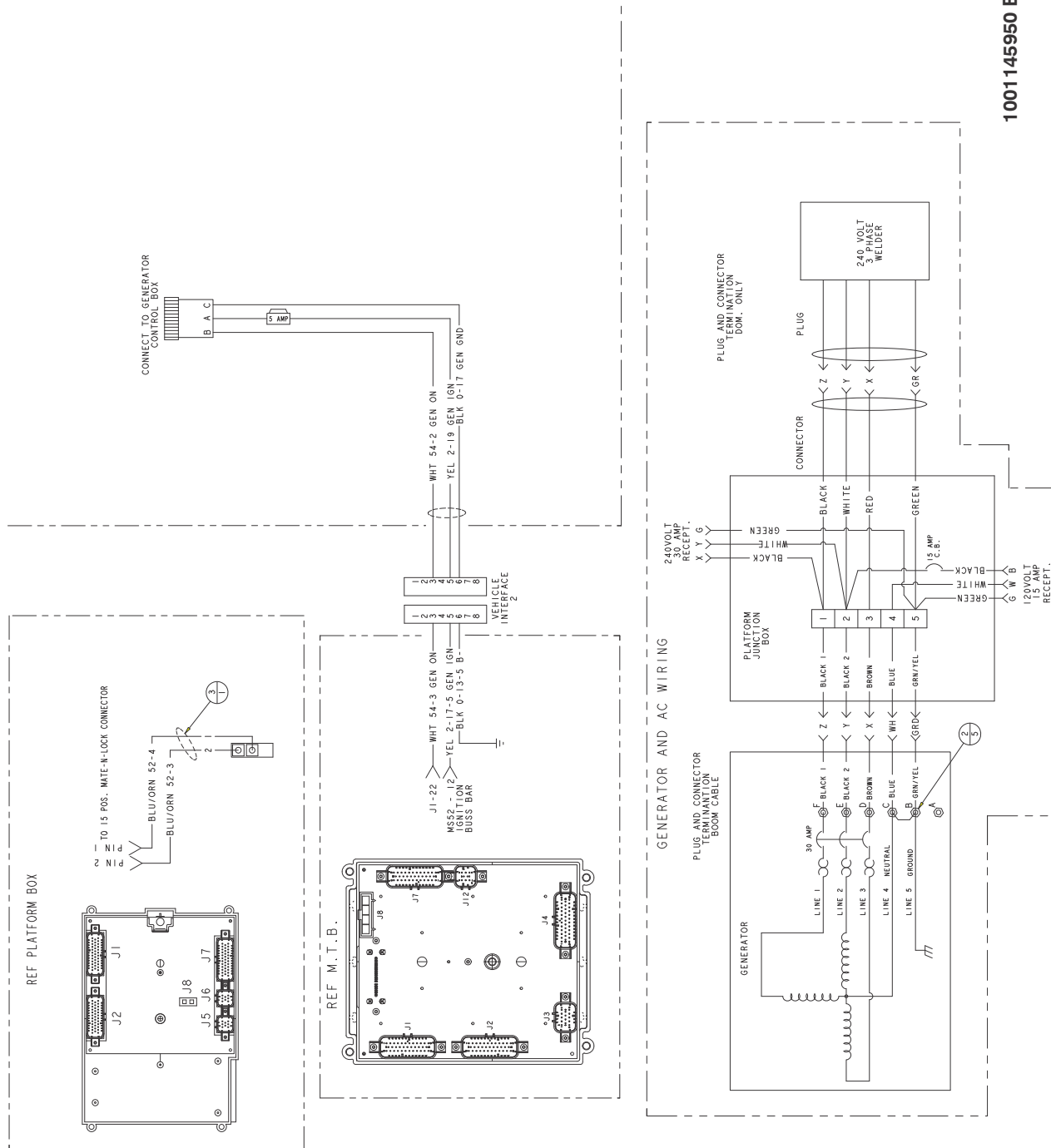
SECTION 2 - SKYPOWER™ (BELT DRIVEN)

ELECTRIC SCHEMATIC



SECTION 2 - SKYPOWER™ (BELT DRIVEN)

ELECTRIC SCHEMATIC

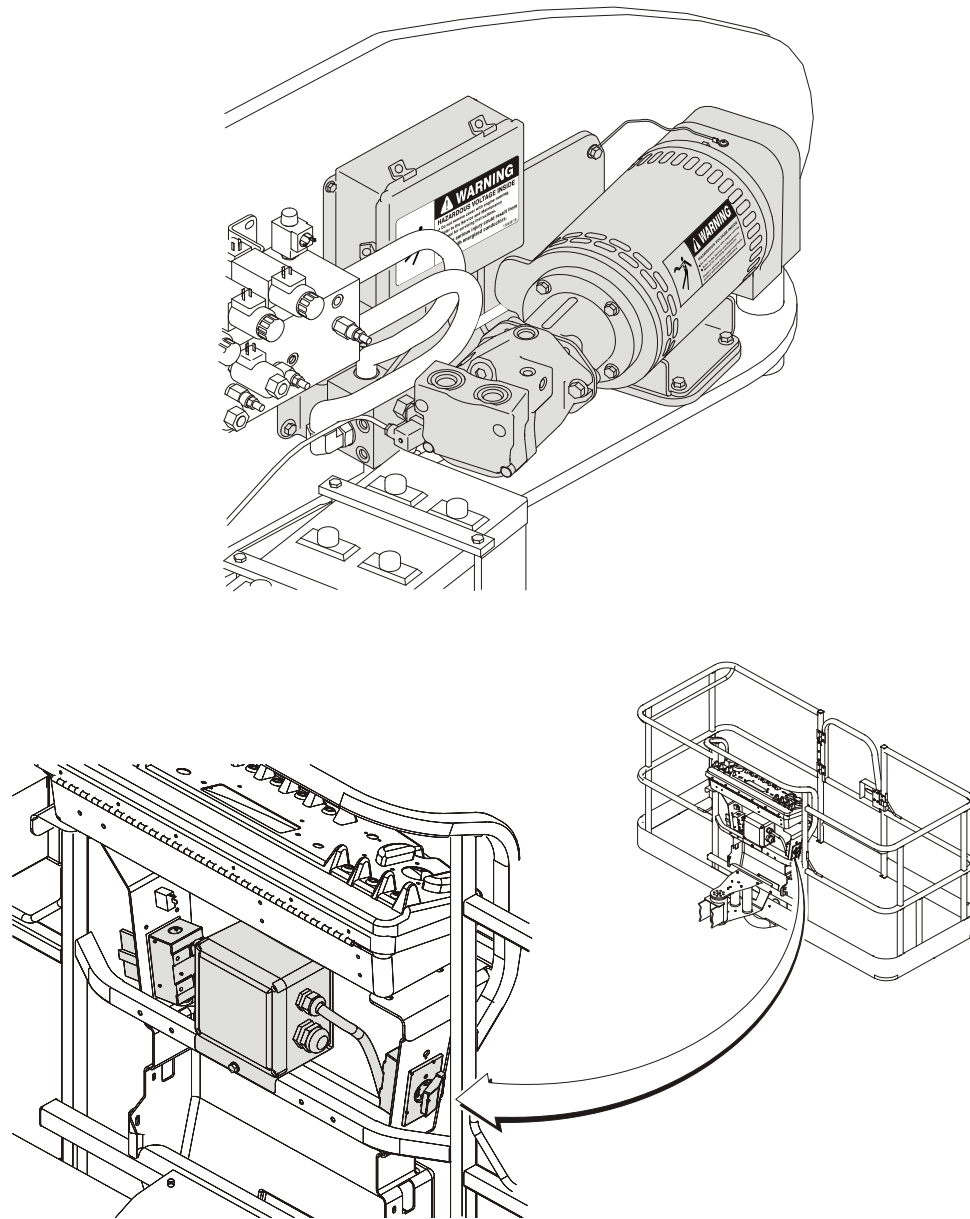


1001145950 B

Figure 2-12. SkyPower™ Electrical Schematic (Deutz Engine Machines) (18RS/24RS)

SECTION 3 SKYPOWER™ (HYDRAULICALLY DRIVEN)

Boom Lift Platform - Generator



PRODUCT USE

This product is available for use on the following JLG products

1200SJP¹

1350SJP¹

Footnotes: ¹ INSTALLING OR REMOVING APPROVED ACCESSORIES OR CHANGING PLATFORM SIZE REQUIRES RECALIBRATION OF THE BOOM CONTROL SYSTEM.(SEE MODEL SERVICE AND MAINTENANCE MANUAL).

SECTION 3 - SKYPOWER™ (HYDRAULICALLY DRIVEN)

DESCRIPTION

This hydraulic-driven generator supplies AC power to the platform to power tools, lights, cutting and welding equipment through an AC receptacle. All power regulation components are located in a watertight box that is connected by cable to the generator. The generator supplies power when running at the specified speed with the power switch on (switch is located on platform). A three-pole, 30 Amp circuit breaker protects the generator from overload.

Generator Output

Engine Speed of 1800 rpm +/- 10%.

ANSI Specs:

3-phase, 240-volt, 60Hz, 7.5kW

1-phase, 240/120-volt, 60Hz, 6kW

CE Spec:

3-phase, 400-volts, 60Hz, 7.5kW

1-phase, 220-volt, 50Hz, 6kW

Electrical Receptacles

GFI receptacle will be available for both ANSI and CE machines.

ACCESSORY RATINGS

Model	Drive -Type	Generator Speed
1350SJP 1200SJP	Hydraulic	3000rpm (50 Hz) 3600 rpm (60 Hz)

SAFETY PRECAUTIONS

General

NOTICE

READ AND UNDERSTAND THE OPERATORS MANUAL FOR THE SPECIFIC JLG MODEL BEING USED.

⚠ WARNING

DO NOT OVER PLATFORM.

1. Make sure no personnel are beneath platform.
2. This factory installed option is available only on models specified.
3. Keep lanyard attached at all times.
4. Do not use electrical tools in extremely wet conditions.
5. Use correct voltage for tool being used.
6. Do not over load circuit.

PREPARATION AND INSPECTION

Ensure generator is secure, check condition of belt and wiring.

SECTION 3 - SKYPOWER™ (HYDRAULICALLY DRIVEN)

OPERATION

Start engine, turn on generator begin using.

SERVICE AND MAINTENANCE

Refer to Miller Generator Service and Maintenance Manual.

SECTION 3 - SKYPOWER™ (HYDRAULICALLY DRIVEN)

PARTS

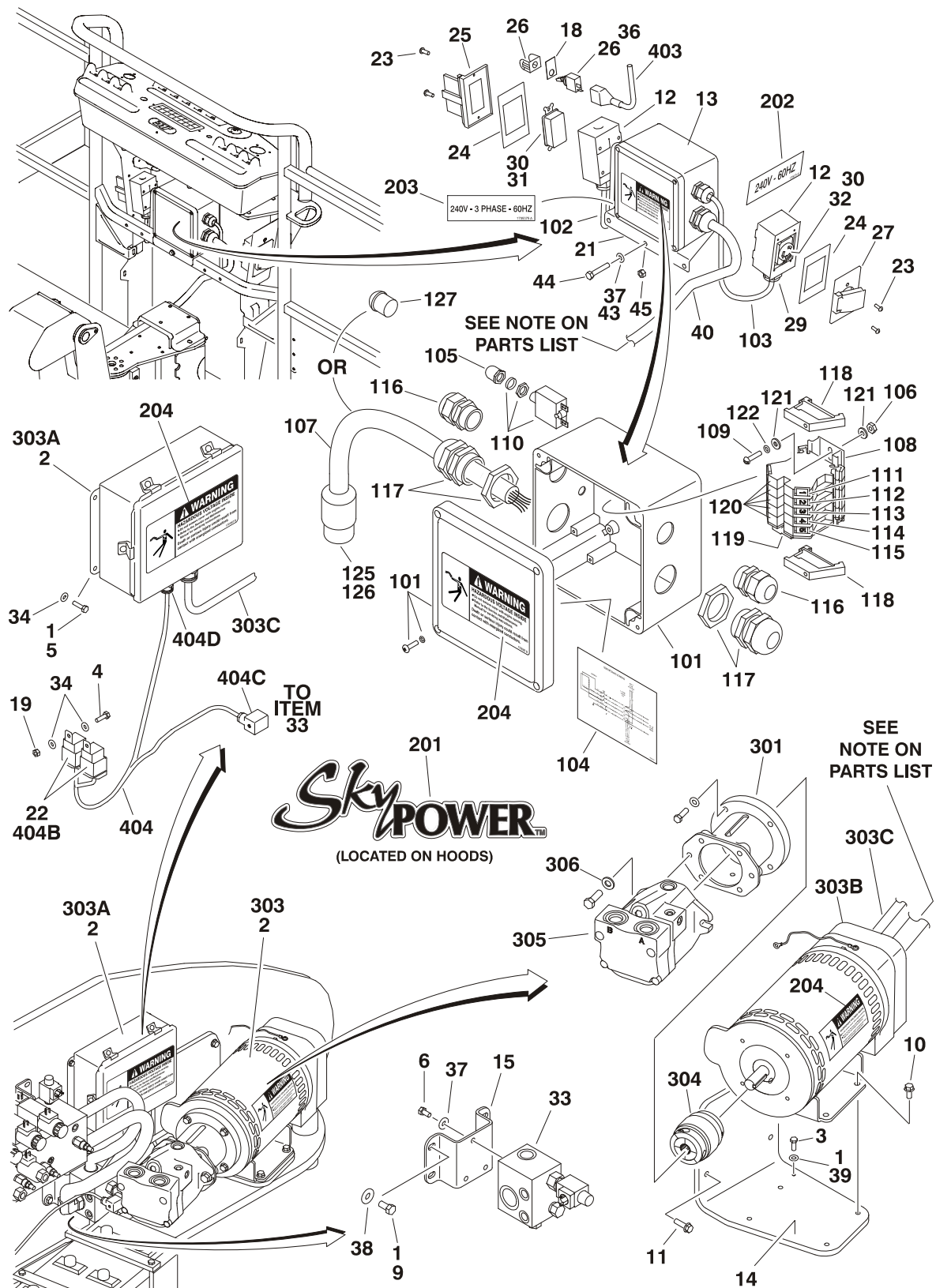


Figure 3-1. SkyPower™ (Hydraulic Driven) Parts Drawing

SECTION 3 - SKYPOWER™ (HYDRAULICALLY DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 3-1.		SKYPOWER™ (HYDRAULICALLY DRIVEN)	Ref.	
	0272375	1200SJP 60Hz Spec Prior to S/N 80338	Ref.	D
	0272629	1200SJP 50Hz Spec Prior to S/N 80338	Ref.	C
	0272208	1350SJP 60Hz Spec Prior to S/N 80338	Ref.	D
	0272628	1350SJP 50Hz Spec Prior to S/N 80338	Ref.	C
		Note: See Model Specific Parts Manual for Boom Cable Callouts.	Ref.	
1	0100011	Locking, Compound	A/R	
2		Generator Assembly (See Items 301-306 for Breakdown)	1	
	0272207	60Hz Spec		
	0272631	50Hz Spec		
3	0641405	Bolt, 1/4"-20NC x 5/16"	1	
4	0641407	Bolt, 1/4"-20NC x 7/8"	2	
5	0641408	Bolt, 1/4"-20NC x 1"	4	
6	0641505	Bolt, 5/16"-18NC x 5/8"	3	
7	0641508	Bolt, 5/16"-8NC x 1"	4	
8	Not Used			
9	0641606	Bolt, 3/8"-16NC x 3/4"	4	
10	0791606	Bolt, 3/8" -16NC x 3/4	4	
11	0791610	Bolt, 3/8"-16NC x 1 1/4"	4	
12		Box, Switch Options:	2	
	0860038	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
13		Box, Junction Assembly (See Items 101-127 for Breakdown)	1	
	0861542	60Hz Spec		
	0861567	50Hz Spec		
14	0902857	Bracket	1	
15	0902858	Bracket	1	
16	Not Used			
17	2820031	Insulator, Heat Shrink	.33ft/10cm	
18	3251102	Nameplate, Generator	1	
19	3311405	Locknut, 1/4-20NC	2	
20	Not Used			
21		Bracket Options:	1	
	Use 0902888	Prior to S/N 70981 (was p/n 3573668)		
	0902888	S/N 70981 to Present		
22	3740080	Relay	2	
23	3910612	Bolt, #6-32NF x 3/4"	4	
24		Gasket, Receptacle Options:	2	
	3960422	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
25		Shield, Receptacle Cover Options:	1	
	4060700	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
26	4060802	Guard, Switch	1	
27		Cover, Receptacle Options:	1	
	4061043	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		

SECTION 3 - SKYPOWER™ (HYDRAULICALLY DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
28	4360336	Switch, SPST	1	
29		Connector Options:	2	
	4460051	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
30		Terminal, Spade Options:	2	
	4460315	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
31		Terminal, Receptacle Options:	1	
	4460346	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
32	4460958	Receptacle, Twistlock Options:	1	
	4460958	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
33		Valve, Generator Options:	1	
	4641239	Prior to S/N 70981		
	4641270	S/N 70981 to Present		
34	4711400	Washer, 1/4" Narrow	8	
35	Not Used			
36	4740397	Spacer, Washer	1	
37	4751500	Flatwasher 5/16"	13	
38	4751600	Flatwasher 3/8"	4	
39	4791400	Starwasher 1/4	2	
40		Harness, Generator Cable Options:	1	
	4922796	1200SJP		
	4922795	1350SJP		
41 to 42	Not Used			
43	4751400	Flatwasher 1/4" (Prior to S/N 70981 Only)	1	
44		Bolt Options:	A/R	
	0641408	Bolt 1/4"-20NC x 1" (Prior to S/N 70981)	1	
	0641516	Bolt 5/16"-18NC x 2" (S/N 70981 to Present)	3	
45		Nut Options:	A/R	
	2080044	Rivnut (Prior to S/N 70981)	1	
	3311505	Nut 5/16"-18NC (S/N 70981 to Present)	3	
46	0100048	Grease, Dielectric (Not Shown)	A/R	
		JUNCTION BOX ASSEMBLY	Ref.	
	0861542	60Hz Specs	Ref.	C
	0861567	50Hz Specs	Ref.	B
101	0861541	Box, Junction	1	
102		Cable, Electrical 12/3	2 ft/.6m	
	1060494	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
103		Cable, Electrical 10/3	2.5ft/.76m	
	1060708	60Hz Spec		
	Not Available	50Hz Spec (Supply Locally)		
104	1705376	Decal - Wiring Schematic	1	
105	3300396	Cover, Fuse	1	
106	3310601	Nut 6-32NC	2	

SECTION 3 - SKYPOWER™ (HYDRAULICALLY DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
107	1060343	Cable, Electrical 10/4 (60Hz Spec Only)	1.5ft/.46m	
108		Rail, Relay Options:	1	
	3640986	Prior to S/N 72911		
	3641533	S/N 72911 to Present		
109	3910610	Bolt 6-32NC x 5/8	2	
110	4360070	Circuit Breaker - 15 Amp	1	
111	4460411	Marker Strip #1	2	
112	4460412	Marker Strip #2	A/R	
		Prior to S/N 72911	2	
		S/N 72911 to Present	4	
113	4460413	Marker Strip #3	2	
114	4460414	Marker Strip #4	2	
115	4460415	Marker Strip #5	A/R	
		Prior to S/N 72911	2	
		S/N 72911 to Present	4	
116	4460425	Strain Relief, Terminal	2	
117	4460426	Connector, Strain Relief	2	
118	4460607	Terminal, End Stop	2	
119	4460956	Terminal, Block End	1	
120	4460957	Terminal, Block	A/R	
		Prior to S/N 72911	5	
		S/N 72911 to Present	7	
121	4750600	Flatwasher, #6 Wide	4	
122	4760600	Lockwasher #6	2	
123	4461001	Connector, Terminal (Not Shown - Located on Terminal Block) (S/N 72911 to Present Only)	2	
124	Not Used			
125	1671092	Cover (60Hz Spec Only)	1	
126	4460963	Connector (60Hz Spec Only)	1	
127	3520189	Plug (50Hz Spec Only)	1	
		DECAL INSTALLATION	Ref.	
	0272435	60Hz Spec	Ref.	A
	0272589	50Hz Spec	Ref.	A
201	1705460	Decal - SkyPower™	2	
202	1705374	Decal - 240V - 60Hz (60Hz Spec Only)	1	
203		Decal - 240V - 3 Phase Options	1	
	1705375	60Hz Spec	1	
	1705461	50Hz Spec	1	
204		Decal, Hazardous Voltage Option	3	
	1705387	60Hz Spec		
	1705489	50Hz Spec		
		GENERATOR ASSEMBLY	Ref.	
	0272207	60Hz Spec	Ref.	B
	0272631	50Hz Spec	Ref.	A
301	0080239	Adapter	1	
302	0100011	Locking, Compound (Not Shown)	A/R	

SECTION 3 - SKYPOWER™ (HYDRAULICALLY DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
303		Generator Kit Options:	1	
	0272478	60Hz Spec		
	0272630	50Hz Spec		
303A		Control Box Assembly Options:	1	
	0861538	60Hz Control Box Assembly		
	0861572	50Hz Control Box Assembly		
	7024488	Card, Circuit - Generator Power	1	
	Not Available	Fuse (Purchase Locally)	1	
	7024489	Card, Circuit - Control	1	
		Note: Same Circuit Card is used for both 60Hz & 50Hz. When replacing card, rocker switch on card must beset for required application.		
	70000619	Harness, Circuit Card	1	
303B	2460040	Generator Assembly	1	A
	Use 70003631	Brushholder Assembly (Not Shown) (was p/n 7024484)	1	
	7024485	Breaker, Circuit 30Amp (Not Shown)	1	
	7024486	Boot, Breaker (Not Shown)	1	
303C	4922735	Harness	1	
304	1660254	Coupling	1	
305	3160204	Motor, Hydraulic	1	
	2900788	Seal Kit - 3160204 Motor	1	
306	4891800	Flatwasher 1/2" Hardened	2	
	4933267	ELECTRICAL DIAGRAM COMPONENTS	Ref.	D
401 to 402	Not Used			
403	4922641	Switch Harness	1	
404	4922788	Generator Harness	1	C
	3990010	Diode 6 Amp	1	
404A	2400060	Fuseholder (Not Shown)	1	
	2400064	Fuse - 5 Amp (Not Shown)	1	
404B	4460374	Plug, Sealed Relay	2	
	4460375	Terminal	7	
404C	4460880	Connector, DIN	1	
404D	4460967	Plug, Male - 3 Position	1	
	4460465	Socket, Female	3	

SECTION 3 - SKYPOWER™ (HYDRAULICALLY DRIVEN)

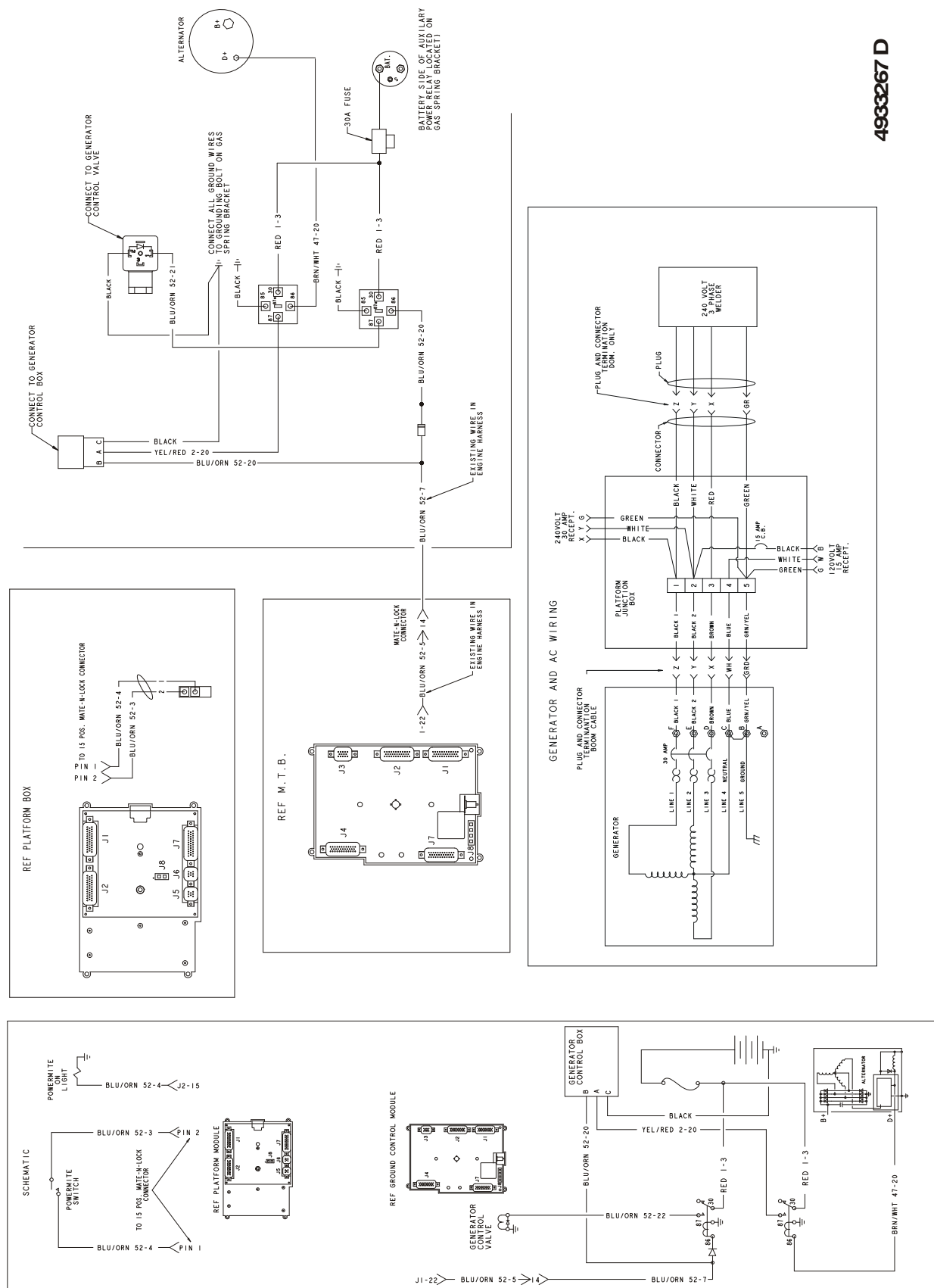
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION 3 - SKYPOWER™ (HYDRAULICALLY DRIVEN)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 3-2.	2792568	GENERATOR HYDRAULIC DIAGRAM	Ref.	4/C
1	2110404	Fitting, Straight	2	
2	Not Used			
3	Not Used			
4	2151012	Fitting, 45°	1	
5	Not Used			
6	2111216	Fitting, Straight	3	
7	Not Used			
8	2130810	Fitting, 90°	1	
9	Not Used			
10	Not Used			
11	2170712	Fitting, Tee	1	
12	2753539	Hose	1	
13	2753862	Hose	1	
14	2753861	Hose	1	
15	2753863	Hose	1	
16	2753842	Hose	2	
17	2753850	Hose	1	

SECTION 3 - SKYPOWER™ (HYDRAULICALLY DRIVEN)

ELECTRIC SCHEMATIC

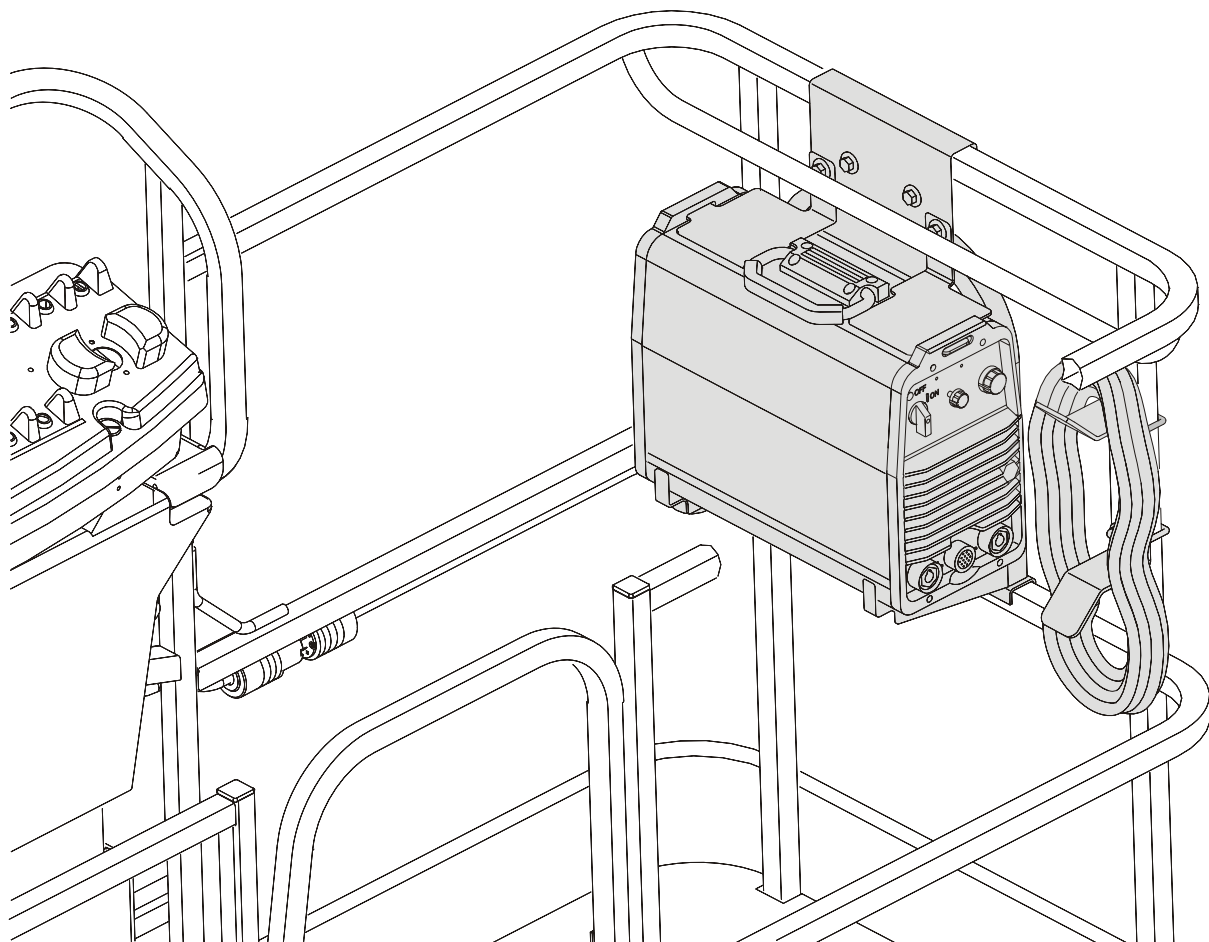


4933267 D

Figure 3-3. SkyPower Electrical Diagram (Hydraulic Driven SkyPower™)

SECTION 4 SKYWELDER™

Boom Lift Platform - Welding Metal



PRODUCT USE

This product is available for use on the following JLG products. (Must be equipped with SkyPower™ unless otherwise approved.)

400S	460SJ	600S	660SJ	800AJ	1100SJP ^{1,2}	1350SJP ²
450A Series II ¹	600A ¹	600SC	660SJC	800S	1200SJP ²	1500SJ ²
450AJ Series II	600AJ ¹	600SJ	800A	860SJ	1250AJP ²	18RS ¹
24RS ¹						

Footnotes: ¹ See Accessory - Model Application Chart for Market Availability.

² INSTALLING OR REMOVING APPROVED ACCESSORIES OR CHANGING PLATFORM SIZE REQUIRES RECALIBRATION OF THE BOOM CONTROL SYSTEM. (SEE MODEL SERVICE AND MAINTENANCE MANUAL).

SECTION 4 - SKYWELDER™

DESCRIPTION

Welder

The welder will be capable of TIG and Stick welding. This welder will be capable at producing 200 Amps at 100% duty cycle or 250 Amps at 50% duty cycle.

(see: Safety Precautions when performing TIG welding)

Generator Output

ANSI Specs:240V;60Hz; 3-Phase; 7.5kW and 240V/120V:60Hz; Single Phase:6kW.

CE Specs: 400V; 50Hz; 3-Phase; 7.5kW and 220V; 50Hz; Single Phase;6kW.

Engine Speed of 1800 rpm +/- 10%.

Welding Accessories

The platform will provide provisions for storing 12 ft. welding leads consisting of a clamp and a stinger. A fire extinguisher will also be provided.

ACCESSORY RATINGS

Table 1. - Welding Characteristics

Welding Mode	Input Power	Rated Output	Welding Amperage Range	Maximum Open Circuit Voltage	Amps Input At Rated Load Output. 50/60 Hz				
					230 V	460 V	575 V	KVA	KW
Stick (SMAW)	3-Phase	5-250 Amp at 30V. 50% Duty Cycle	5-250Amp	80 VDC	30.5	14.7	11.6	11.7	8.6
		200 Amp at 28V. 100% Duty Cycle			21.7	11.4	9.2	9.1	6.4
TIG (GTAW)	1-Phase	200 Amp at 28V. 50% Duty Cycle	5-200 Amp	65 VDC	42.6	-----	-----	9.8	6.5
		150 Amp at 28V. 100% Duty Cycle			304	-----	-----	6.9	4.4

SAFETY PRECAUTIONS

General

NOTICE

READ AND UNDERSTAND THE OPERATORS MANUAL FOR THE SPECIFIC JLG MODEL BEING USED.

⚠ WARNING

DO NOT OVER LOAD PLATFORM.

⚠ WARNING

DE-RATE THE PLATFORM BY 70LBS/32KG WHEN WELDER IS INSTALLED IN THE PLATFORM.

1. Check for cracked welds and damage to welder supports.
2. Check for proper and secure installation of welder and bracket.
3. Be certain no personnel are beneath platform.
4. Do not exit platform over rails or stand on rails.
5. Only use this option on models specified.
6. Keep lanyard attached at all times.
7. Ensure correct polarity of leads.
8. Use proper welding apparel.
9. Use correct rod size and current settings.
10. Do not use electrical cords without ground.
11. Do not use electrical tools in water.
12. Do not weld to platform.
13. Do not ground through the platform.
14. Do not use a high frequency arc starter with TIG welder

PREPARATION AND INSPECTION

Connect ground clamp to metal being welded, make sure there is a good ground connection and observe proper polarity, begin welding.

OPERATION

Start engine turn on generator then turn on welder.

Wear proper welding apparel. Set welder to proper amperage and voltage settings for thickness and type of metal being welded. Begin welding.

Refer to Miller Welder Operators Manual.

NOTE: Generator will not start under an electrical load.

SERVICE AND MAINTENANCE

Refer to Miller Welder Service and Maintenance Manual.

SECTION 4 - SKYWELDER™

INSTALLATION AND REMOVAL

Removal

1. Unplug SkyWelder™ at twistlock plug.
2. Unbolt SkyWelder™ from bracket.
3. Remove for storage.

Installation

1. Place SkyWelder™ in weldment support.
2. Bolt top plate weldment support.
3. Connect twistlock plug.



NOTES:

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SECTION 4 - SKYWELDER™

PARTS

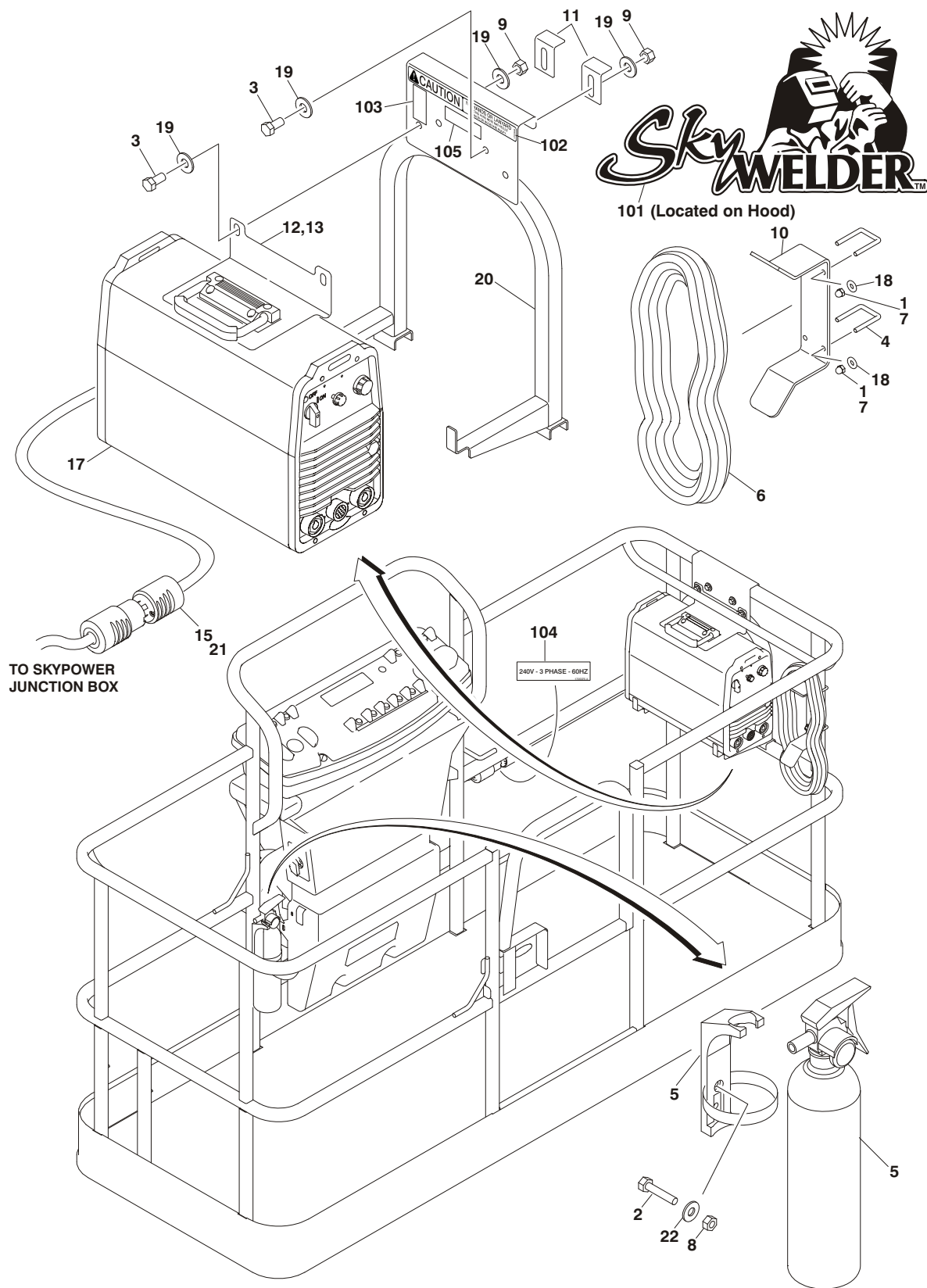


Figure 4-1. SkyWelder™ Parts Drawing

SECTION 4 - SKYWELDER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 4-1.		SKYWELDER™ INSTALLATION	Ref.	
	0272254	60Hz Power Supply (18RS/24RS/400S/450A Series II/450AJ Series II/460SJ/600A/600AJ/600S/600SC/600SJ/660SJ/660SJC/800A/860AJ)	Ref.	H
	Use 0272254	60Hz Power Supply (800S/860SJ/1100SJP/1200SJP/1250AJP/1350SJP) (was p/n 0272374)	Ref.	F
	0272521	50Hz Power Supply (All Except 1100SJP)	Ref.	F
	Use 0272521	50Hz Power Supply (1200SJP/1250AJP/1350SJP Only) (was p/n 0272658)	Ref.	D
	0273353	60Hz SkyWelder/SkyCutter Combo (Not Available on 450A Series II/450AJ Series II/1100SJP)	Ref.	F
	0274448	50Hz SkyWelder/SkyCutter Combo (1250AJP Only - No Longer Available)	Ref.	D
	0275528	50Hz SkyWelder/SkyCutter Combo (800S/860SJ/1200SJP/1350SJP Only - No Longer Available)	Ref.	C
1	0100011	Locking, Compound	A/R	
2		Bolt Options:	2	
	0641406	Bolt 1/4"-20NC x 3/4" (Prior to S/N 0300138115)		
	0630518	Screw #10-24NC x 3/4" (S/N 0300138115 to Present)		
	0630407	Bolt 1/4"-20NC x 5/8"		
3	0641606	Bolt 3/8"-16NC x 3/4"	4	
4	1320302	U-Clamp	2	
5	2030010	Extinguisher, Fire	1	
6	2902217	Platform Weld Leads Kit	1	
7	3300151	Nut, Acorn 1/4"-20	4	
8		Locknut Options:	2	
	3311405	Locknut 1/4"-20 (Prior to S/N 0300138115)		
	3311005	Locknut #10-24 (S/N 0300138115 to Present)		
9	3311605	Locknut 3/8"-16	4	
10	3573400	Plate, Gusset	1	
11	3577121	Plate, Clamp Back (was p/n 3573641)	2	
12	3573642	Plate, Clamp Top	1	
13	4420037	Tape, Insulation	31in	
14	4240099	Tie, Wire 11" (Not Shown)	A/R	
15		Plug, Male Twistlock Options:	1	
	4460962	60Hz Power Supply		
	Not Required	50Hz Power Supply (Wired Directly to Junction Box)		
	4460962	SkyWelder/SkyCutter Combo		
16	Not Used			
17		Miller Welder Assembly Options (See Following Figures):	1	
	4530022	Miller Model CST250 (Used Prior to S/N 83533)		
	4530028	Miller Model CST280 (Used S/N 83533 to Present)		
18	4751400	Flatwasher 1/4"	4	
19	4751600	Flatwasher 3/8"	A/R	
20	4846627	Support	1	
21	1671093	Cover, Plug (60Hz Power Supply & Welder/Cutter Combos Only)	1	

SECTION 4 - SKYWELDER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
22		Flatwasher Options:	2	
	4751400	Flatwasher 1/4" (Prior to S/N 0300138115)		
	4751000	Flatwasher #10 (S/N 0300138115 to Present)		
		DECAL INSTALLATION	Ref.	
	0272448	60Hz Power Supply	Ref.	A
	1001143673	60Hz Power Supply (18RS/24RS Only)	Ref.	A
	0272588	50Hz Power Supply	Ref.	A
	1001143672	50Hz Power Supply (18RS/24RS Only)	Ref.	A
101	1705355	Decal - SkyWelder™	2	
102		Decal - No Hands Options:	A/R	
	1702868	60Hz Power Supply	1	
	Not Required	50Hz Power Supply	0	
103	1705305	Decal - Weld Lead	1	
104	1705375	Decal - 240V - 3 Phase - 60Hz (60Hz Power Supply Only)	1	
105	1705466	Decal, Weight	1	

SECTION 4 - SKYWELDER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION 4 - SKYWELDER™

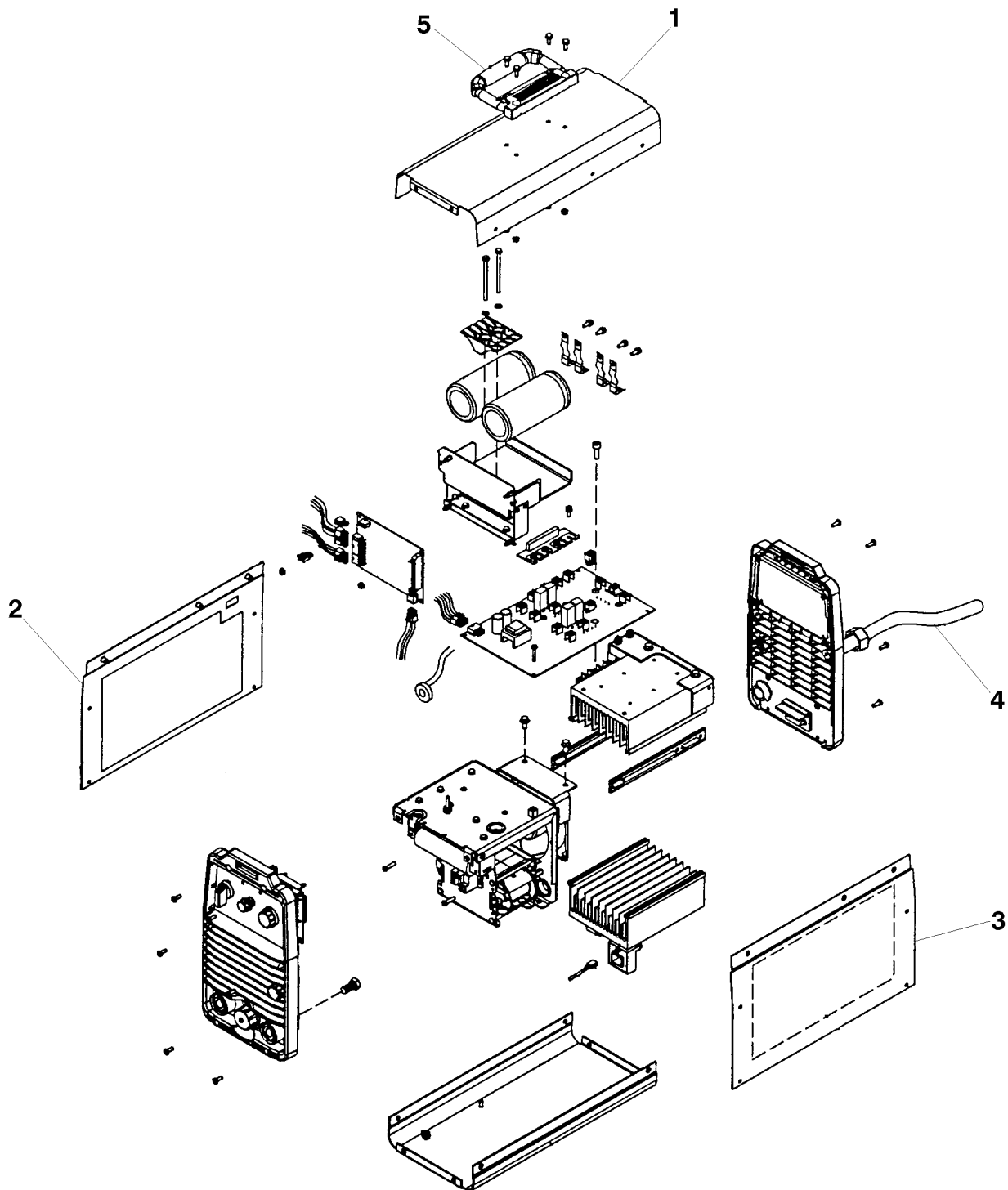


Figure 4-2. SkyWelder™ Main Assembly Parts Drawing

SECTION 4 - SKYWELDER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 4-2.	4530022	SKYWELDER™ MAIN ASSEMBLY	Ref.	
	4530028	Miller Model CST 250 (Used Prior to S/N 83533) Miller Model CST 280 (Used S/N 83533 to Present) Note: For Other Components see your Miller Welder Dealer.	Ref. Ref. Ref.	
1	7024464 7027773 7027774	Cover, Top Options: Miller Model CST 250 (Used Prior to S/N 83533) Miller Model CST 280 (Used S/N 83533 to Present) Static Precautionary Warning Decal Used on Miller Model CST 280 (Used S/N 83533 to Present) (Not Shown)	1	
2	7024465 Not Required	Panel, Side LH Options: Miller Model CST 250 (Used Prior to S/N 83533) Miller Model CST 280 (Used S/N 83533 to Present) (Side Panel is part of Item 1 Cover)	1	
3	7024466 Not Required	Panel, Side RH Options: Miller Model CST 250 (Used Prior to S/N 83533) Miller Model CST 280 (Used S/N 83533 to Present) (Side Panel is part of Item 1 Cover)	1	
4	7024467 7027775	Cable, Power Decal - Electric Shock Warning (Used on Miller Model CST 280 - Used S/N 83533 to Present) (Not Shown)	1 1	
5	7024468 7027776	Handle, Rubberized Carrying Options: Miller Model CST 250 (Used Prior to S/N 83533) Miller Model CST 280 (Used S/N 83533 to Present)	1	

SECTION 4 - SKYWELDER™

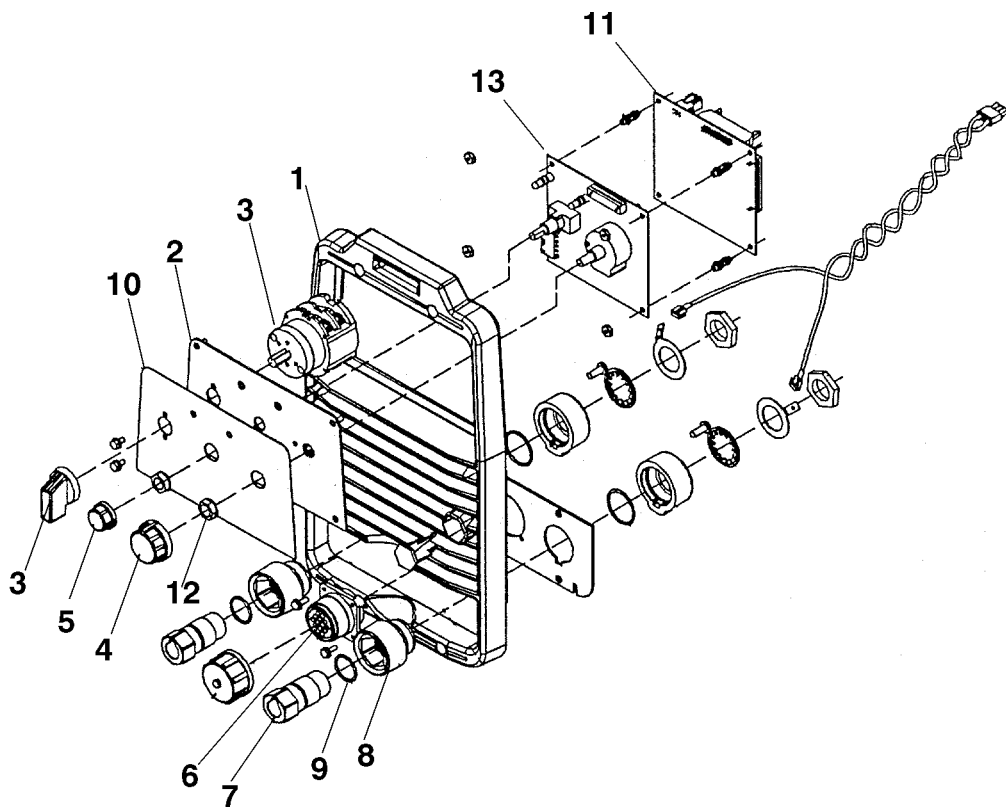


Figure 4-3. SkyWelder™ Front Panel Components Parts Drawing

SECTION 4 - SKYWELDER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 4-3.		SKYWELDER™ FRONT PANEL COMPONENTS Note: For Other Components see your Miller Welder Dealer.	Ref. Ref.	
1	7024462	Panel, Front	1	
2	7024463	Panel, Front Console	1	
3	7024469	Switch with Lead	1	
4	7024470	Knob, Pointer	1	
5	7024471	Knob, Pointer	1	
6	7024472	Receptacle with Leads and Plugs	1	
7	7024473	Receptacle, Twist Lock Female	2	
8	7024474	Insulator, Bulkhead Front	2	
9	7024475	O-Ring	2	
10		Nameplate Options:	1	
	7024476	Miller Model CST 250 (Used Prior to S/N 83533)		
	7027777	Miller Model CST 280 (Used S/N 83533 to Present)		
11		Circuit Card Assembly (Process Control) Options:	1	
	7024477	Miller Model CST 250 (Used Prior to S/N 83533)		
	7027779	Miller Model CST 280 (Used S/N 83533 to Present)		
12	7024478	Nut	1	
13		Circuit Card Assembly (Operator Interface) Options:	1	
	Not Available	Miller Model CST 250 (Used Prior to S/N 83533)		
	7027778	Miller Model CST 280 (Used S/N 83533 to Present)		

SECTION 4 - SKYWELDER™

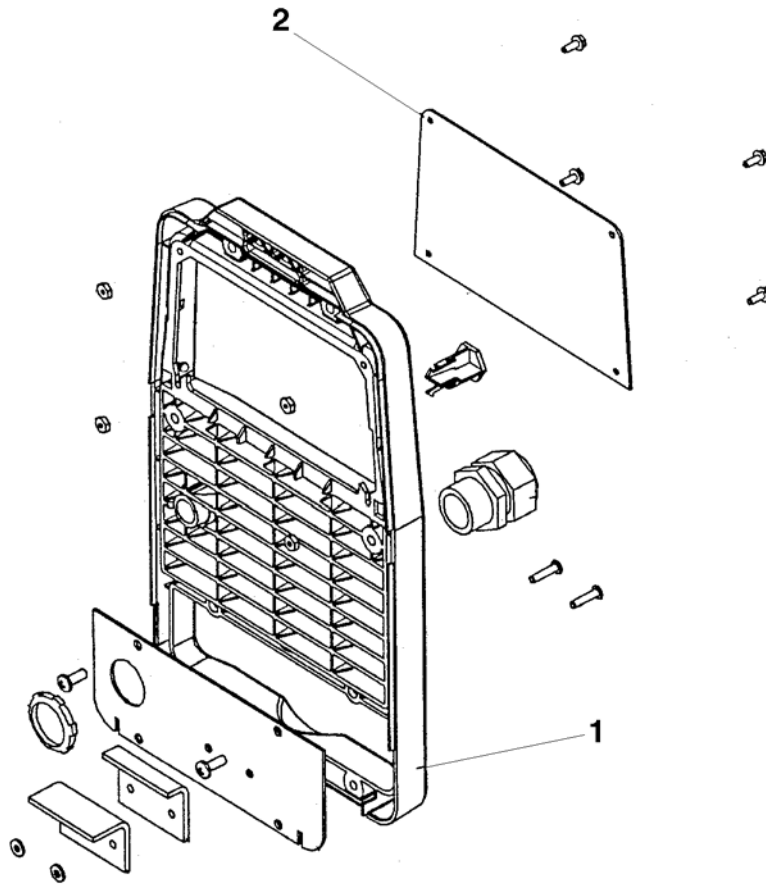


Figure 4-4. SkyWelder™ Rear Panel Components Parts Drawing

SECTION 4 - SKYWELDER™

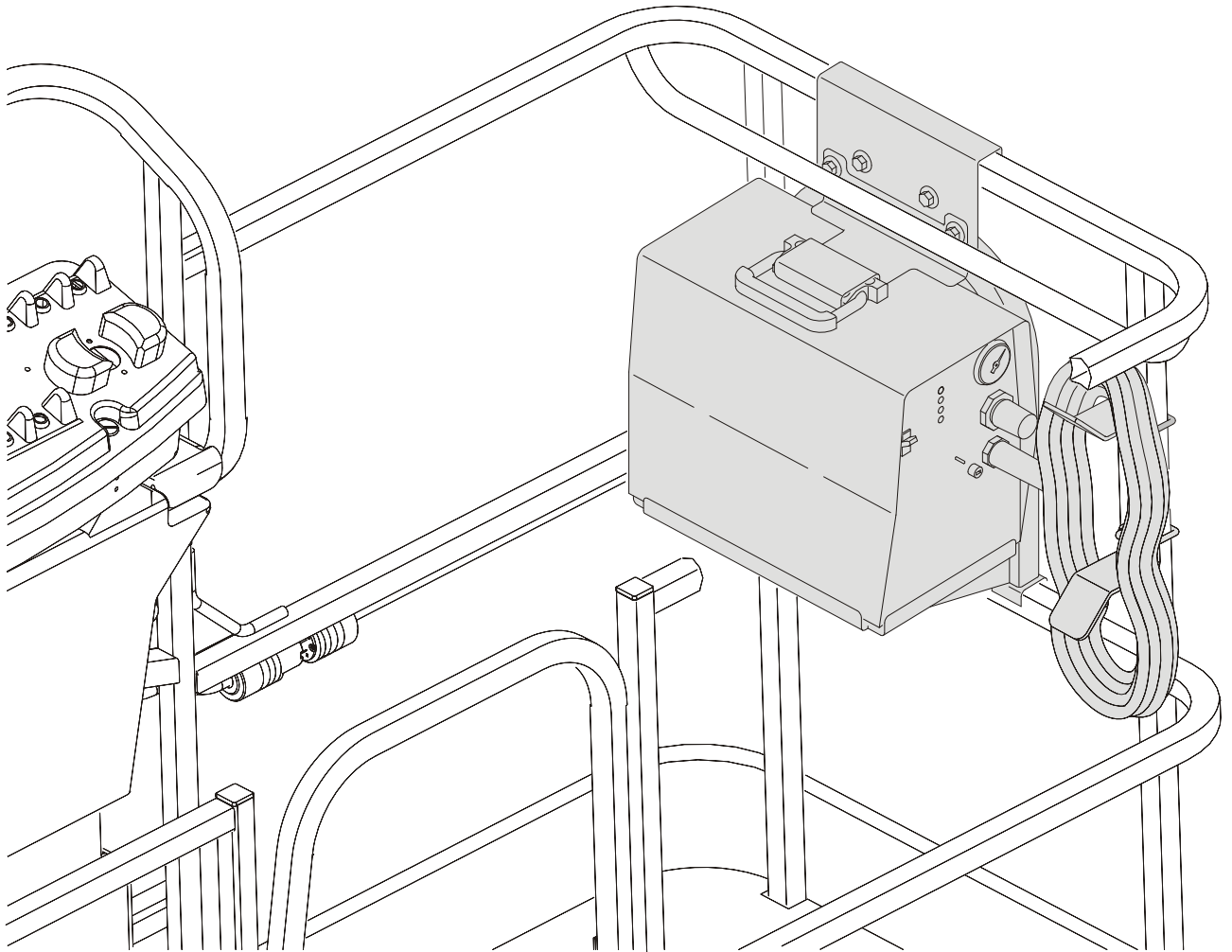
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 4-4.		SKYWELDER™ REAR PANEL Note: For Other Components see your Miller Welder Dealer.	Ref. Ref.	
1	7024462	Panel, Front/Rear	1	
2	7024479	Panel, Cover Options: Miller Model CST 250 (Used Prior to S/N 83533)	1	
	7027780	Miller Model CST 280 (Used S/N 83533 to Present)		

SECTION 4 - SKYWELDER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION 5 SKYCUTTER™

Boom Lift Platform - Cutting Metal



PRODUCT USE

400S ¹	460SJ ¹	600S ¹	660SJ ¹	800AJ ¹	1200SJP ^{1,2}	1500SJ ^{1,2}
450A Series II ¹	600A ¹	600SC ¹	660SJC ¹	800S ¹	1250AJP ^{1,2}	
450AJ Series II ¹	600AJ ¹	600SJ ¹	800A ¹	860SJ ¹	1350SJP ^{1,2}	

Footnotes: ¹ See Accessory - Model Application Chart for Market Availability.

² INSTALLING OR REMOVING APPROVED ACCESSORIES OR CHANGING PLATFORM SIZE REQUIRES RECALIBRATION OF THE BOOM CONTROL SYSTEM. (SEE MODEL SERVICE AND MAINTENANCE MANUAL).

SECTION 5 - SKYCUTTER™

DESCRIPTION

Plasma Cutter

The Plasma Cutter will be capable of cutting up to a thickness of 3/8 in. metal. This cutter will be capable of producing 27A at 92 VDC @ 35% duty cycle or 14A at 92 VDC @ 60% duty cycle.

Generator Output

ANSI Specs:240V;60Hz; 3-Phase; 7.5kW and 240V/120V:60Hz; Single Phase:6kW.

CE Specs: 400V; 50Hz; 3-Phase; 7.5kW and 220V; 50Hz; Single Phase;6kW.

Engine Speed of 1800 rpm +/- 10%.

ACCESSORY RATINGS

Table 1. - Plasma Cutter Characteristics - P/N's-4530024 and 4530025

Spec.	Rated Output	115 V (+/- 15%)	230 V (+/- 15%)	115 V KVA/KW	230 V KVA/KW	Plasma Gas	Plasma Gas Flow/Pressure	Rated Cutting Capacity @ 10 IPM	Max. OCV
ANSI P/N 4530024		Amperes Input @ Rated Output, 60 Hz, Single-Phase							
	27 A @ 92 VDC @ 35% Duty Cycle	28 max; 0.33*	14 max; 0.13*	3.32 KVA 3.25 KW	3.25 KVA 3.19 KW	Air or Nitrogen Only	4.5 CFM (129 L/Min) @ 60 PSI (414 kpa)	3/8 in. (10 mm)	288 VDC
	14 A @ 92 VDC @ 60% Duty Cycle	17 max; 0.30*	8.4 max; 0.13*						
CE P/N 4530025		Amperes Input @ Rated Output, 50 Hz, Single-Phase							
	27 A @ 92 VDC @ 35% Duty Cycle	27 max; 0.33*	13 max; 0.13*	3.11 KVA 3.09 KW	3.04 KVA 3.04 KW	Air or Nitrogen Only	4.5 CFM (129 L/Min) @ 60 PSI (414 kpa)	3/8 in. (10 mm)	288 VDC
	14 A @ 92 VDC @ 60% Duty Cycle	16 max; 0.33*	7.8 max; 0.17*						

*While Idling.

Table 2. - Plasma Cutter Characteristics - P/N-1001098012

Spec.	Rated Output	Amperes Input @ Rated Output, 60 Hz, Single-Phase	KVA/KW	Plasma Gas	Plasma Gas Flow/Pressure	Rated Cutting Capacity @ 10 IPM	Max. OCV
120 Volts ±10% (20A)	27 A @ 91 VDC @ 20% Duty Cycle	28.8 max; 0.30*	3.4 KVA 3.2 KW	Air or Nitrogen Only @ 90 - 120 PSI (621 - 827 kPa)	4.5 CFM (129 L/Min) @ 60 PSI (414 kpa)	3/8 in. (10 mm)	400 VDC
120 Volts ±10% (15A)	20 A @ 88 VDC @ 35% Duty Cycle	20.6 max; 0.30*	2.5 KVA 2.3 KW				
240 Volts ±10% (27A)	27 A @ 91 VDC @ 35% Duty Cycle	13.9 max; 0.13*	3.3 KVA 3.0 KW				

*While idling.

SAFETY PRECAUTIONS

General

NOTICE

READ AND UNDERSTAND THE OPERATORS MANUAL FOR THE SPECIFIC JLG MODEL BEING USED.

⚠ WARNING

DO NOT OVER LOAD PLATFORM.

⚠ WARNING

DE RATE THE PLATFORM BY 70LBS/32KG WHEN PLASMA CUTTER IS IN THE PLATFORM

1. Check for cracked welds and damage to plasma supports.
2. Check for proper and secure installation of welder and bracket.
3. Make sure no personnel are beneath platform.
4. Do not exit platform over rails or stand on rails.
5. Only use this option on models specified.
6. Keep lanyard attached at all times.
7. Ground connect is made.
8. Use proper cutting apparel.
9. Use correct cutting settings.
10. Do not use electrical cords without ground.
11. Do not use electrical tools in water.
12. Do not cut platform.
13. Do not ground through the platform.
14. Wear proper cutting apparel.
15. Do not drive machine while connecting external air/gas sources.

PREPARATION AND INSPECTION

Connect ground clamp to metal being cut, make sure there is a good ground connection, begin cutting.

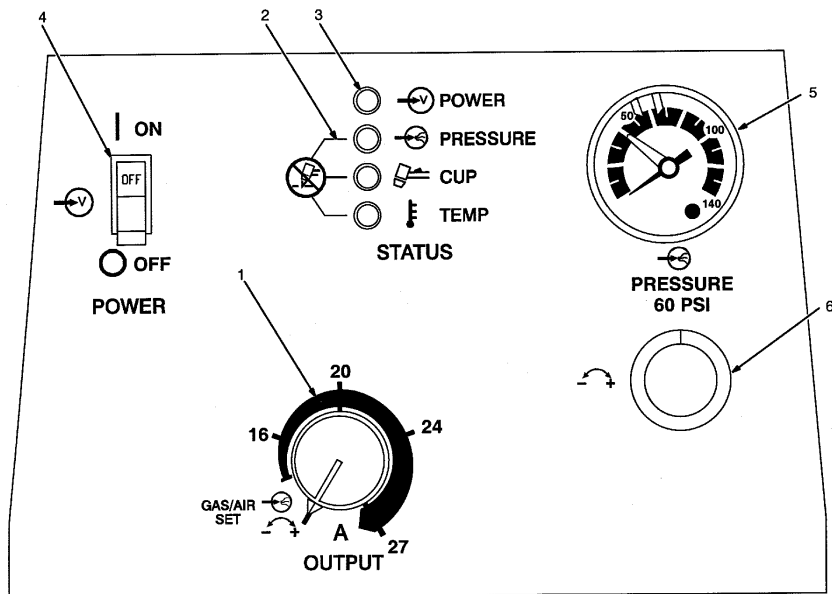
OPERATION

Controls Settings

1. Use output control to set cutting output.
2. Place control in gas/air set position to safely adjust gas/air pressure. Only gas/air circuit is activated.

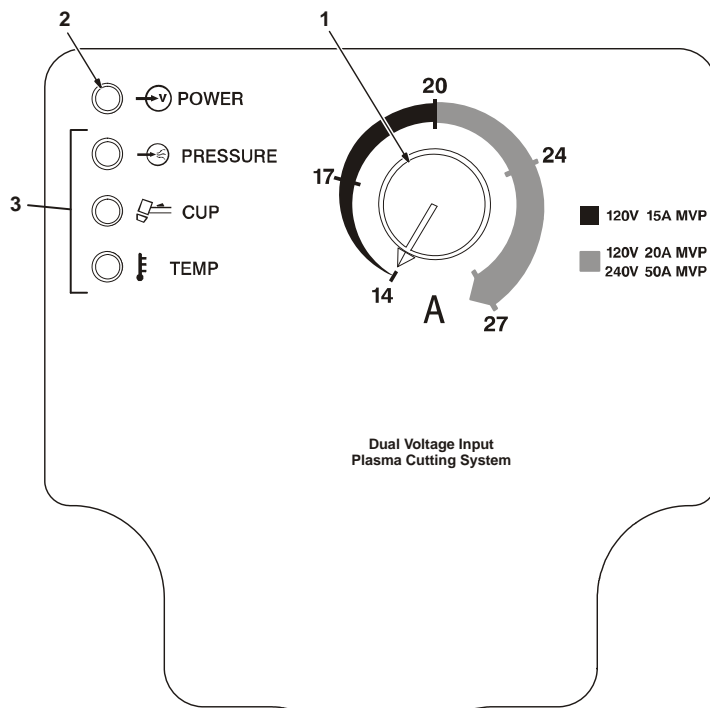
NOTE: *If 22-27 amperes of cutting output is used with 115 VAC input power, and overload protection on the input power circuit frequently opens, either reduce the cutting output and/or the cut time or find more adequate power.*

SECTION 5 - SKYCUTTER™



- 1. Output Control
- 2. Trouble Lights
- 3. Power light
- 4. Power Switch
- 5. Pressure Gauge
- 6. Pressure Adjustment Knob

Figure 5-1. SkyCutter Controls for P/N's - 4530024 / 4530025



- 1. Output Control
- 2. Power Light
- 3. Trouble Light

Figure 5-2. SkyCutter Controls for P/N's - 1001098012

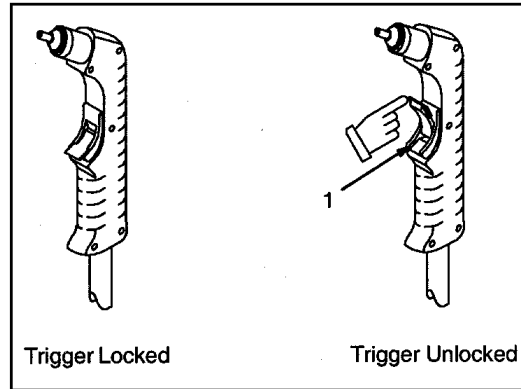


Figure 5-2. SkyCutter Trigger

Setting Gas/Air Pressure

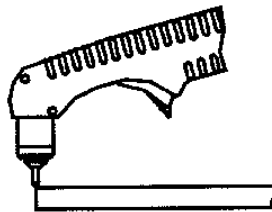
1. Place output control in gas/air position and turn on gas/air supply.
2. Lift knob and turn to adjust pressure to 60 PSI (414 kpa).
3. Push knob down to lock in setting.
4. Place output control in desired cutting output.

Sequence of Operation

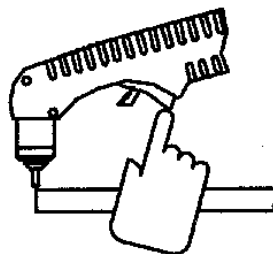
⚠ CAUTION

THE PILOT ARC STARTS IMMEDIATELY WHEN TRIGGER IS PRESSED.

1. Place tip just off edge of work for drag cutting or for maximum cutting speed and tip life, use a standoff distance of 1/16 inch (1.6 mm) to 1/8 inch (3.2 mm) (dragging tip will reduce tip life).

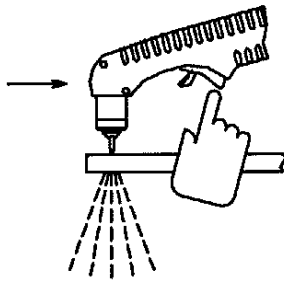


2. Raise trigger lock and press trigger. Pilot arc starts.

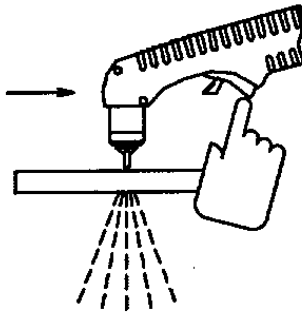


SECTION 5 - SKYCUTTER™

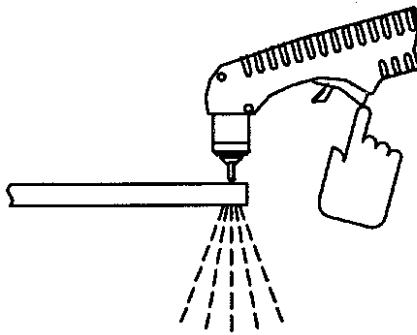
3. After cutting arc starts, slowly start moving torch across metal.



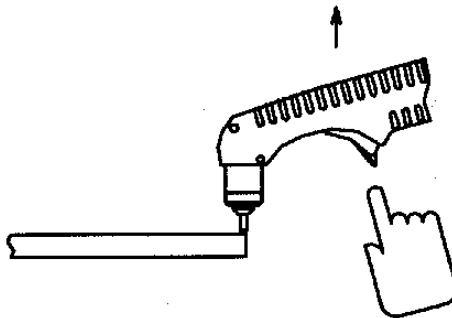
4. Adjust torch speed so sparks go through metal and out bottom of cut.



5. Pause briefly at the end of cut before releasing trigger.



6. Postflow continues for 20 seconds after releasing trigger; cutting arc can be instantly restarted during postflow by raising trigger lock and pressing trigger.



SERVICE AND MAINTENANCE

Refer to Miller Plasma Cutter Service and Maintenance Manual.

INSTALLATION AND REMOVAL

Removal

1. Unplug SkyCutter™ at twistlock plug.
2. Remove air/gas source.
3. Unbolt SkyCutter™ from weldment support.
4. Remove for storage.

Installation

1. Place SkyCutter™ in Weldment support.
2. Bolt top plate weldment support.
3. Connect twistlock plug.
4. Connect air/gas source.

SECTION 5 - SKYCUTTER™

PARTS

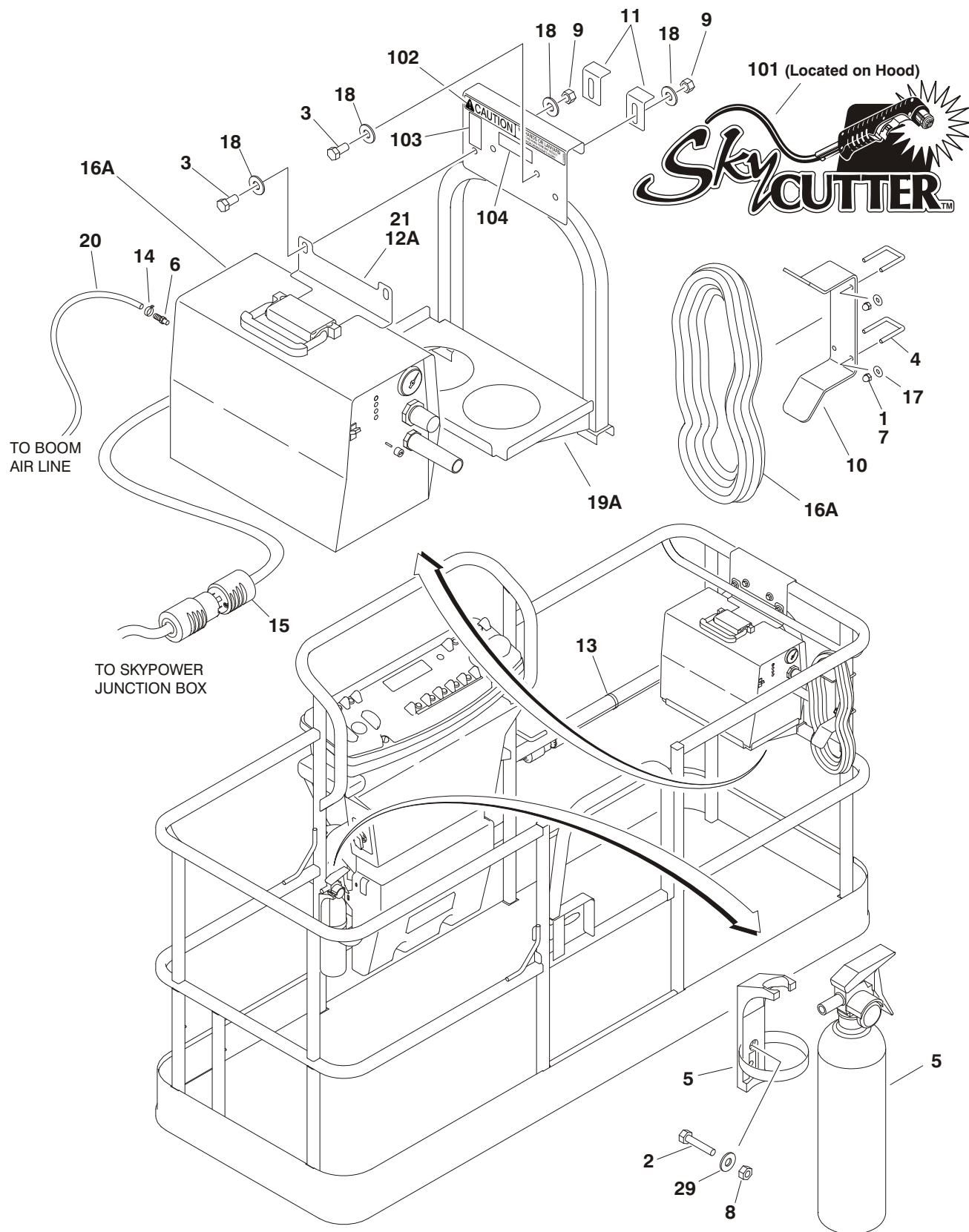


Figure 5-3. SkyCutter™ Parts Drawing

SECTION 5 - SKYCUTTER™

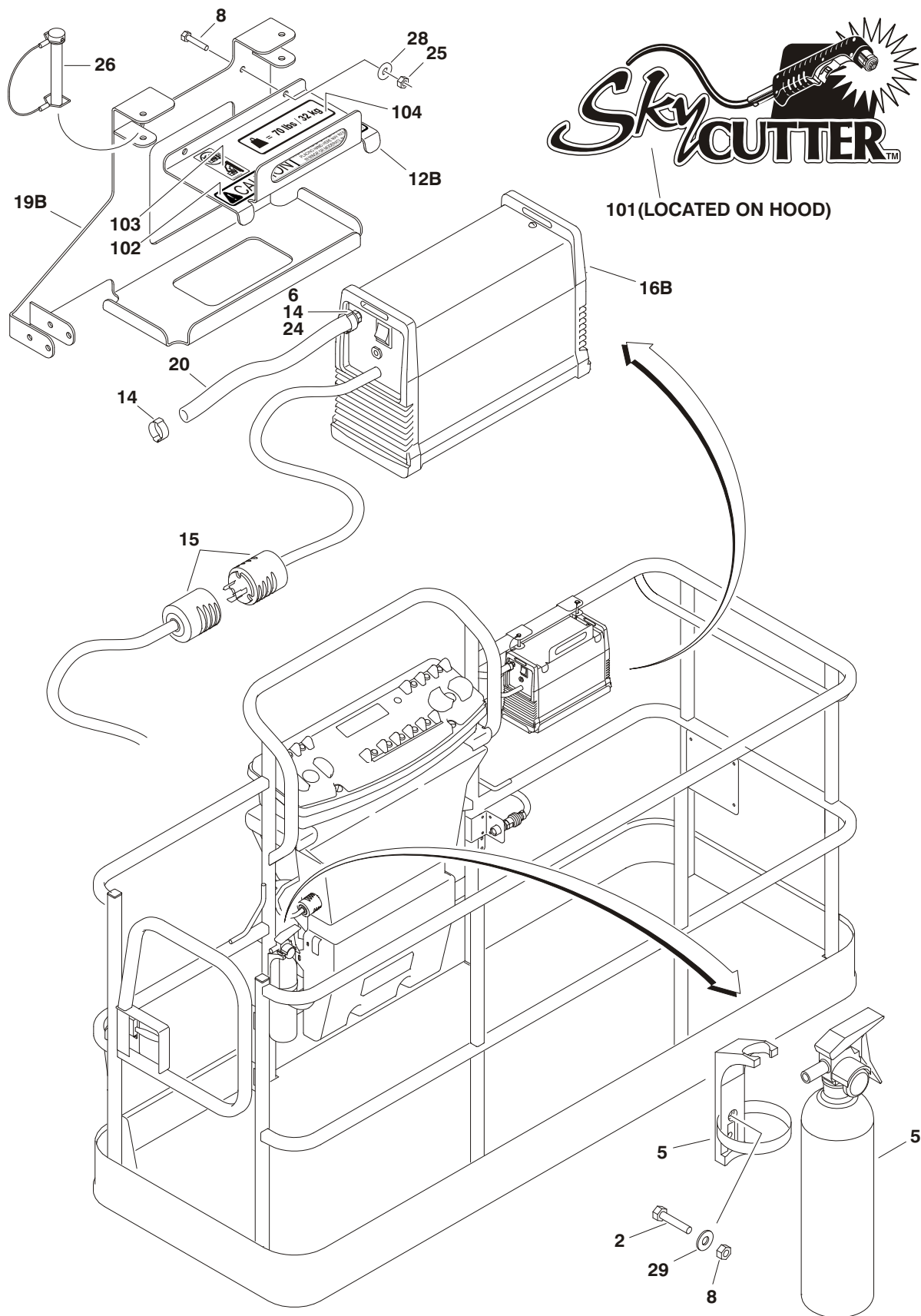


Figure 5-4. SkyCutter™ Parts Drawing

SECTION 5 - SKYCUTTER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 5-3.		SKYCUTTER™ INSTALLATION	Ref.	
	0272590	60Hz Power Supply (No Longer Available)	Ref.	D
	0272606	50Hz Power Supply (No Longer Available)	Ref.	D
	1001098149	50Hz/60Hz Power Supply	Ref.	D
	0273353	60Hz SkyWelder/SkyCutter Combo (Not Available on 450A Series II/450AJ Series II)	Ref.	G
	0274448	50Hz SkyWelder/SkyCutter Combo (1250AJP Only - No Longer Available)	Ref.	D
	0275528	50Hz SkyWelder/SkyCutter Combo (800S/860SJ/1200SJP/1350SJP Only - No Longer Available)	Ref.	C
		Note: On SkyWelder/SkyCutter Combo, Plasma Cutter is Located on Front of Platform Rail Beside Platform Console Box.	Ref.	
		Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	Ref.	
1	0100011	Locking, Compound	A/R	
2		Bolt Options:	2	
	0641406	Bolt 1/4"-20NC x 3/4" (Prior to S/N 0300138115)		
	0630518	Screw #10-24NC x 3/4" (S/N 0300138115 to Present)		
3	0641606	Bolt, 3/8"-16NC x 3/4"	A/R	
4	1320302	U-Clamp	2	
5	2030010	Extinguisher, Fire	1	
6	2180832	Barbed, Fitting	1	
7	3300151	Nut, 1/4"-20	A/R	
8		Locknut Options:	2	
	3311405	Locknut 1/4"-20 (Prior to S/N 0300138115)		
	3311005	Locknut #10-24 (S/N 0300138115 to Present)		
9	3311605	Nut, 3/8"-16	A/R	
10	3573400	Bracket, Cable	1	
11	3577121	Plate, Clamp (was p/n 3573641)	2	
12		Plate, Top Support Options:	1	
12A	3573643			
12B	3576799			
13	Not Available	Tie, Wire 11 Inches	A/R	
14	1320177	Clamp, Hose	2	
15		Terminal, Twistlock Plug Options:	1	
	4460971	4530024 & 1001098012 Plasma Cutter		
	Not Required	4530025 Plasma Cutter (Wired Directly to Junction Box)		
	4460971	SkyWelder/SkyCutter Combo		
16		Cutter, Plasma Options (See Following Figures):	1	
16A	4530024	60Hz Power Supply (see Figure 5-5 for Breakdown)		
	4530025	50Hz Power Supply (see Figure 5-5 for Breakdown)		
16B	1001098012	50Hz/60Hz Power Supply (see Figure 5-6 for Breakdown)		
17	4751400	Flatwasher 1/4"	A/R	
18	4751600	Flatwasher 3/8"	A/R	

SECTION 5 - SKYCUTTER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
19		Support Options:	1	
19A	4846571			
19B	Use 1001145405	was p/n 4341301		
20	2720160	Hose, Airline 4530024 & 4530025 Plasma Cutter 1001098012 Plasma Cutter	A/R 4ft./1.2m 3ft./.9m	
21	4420037	Tape, Insulation	A/R	
22	3574543	Bracket, Cable Support (Used with SkyWelder/SkyCutter Combo Prior to October 2007 - Not Shown)	1	
23	3911612	Screw, 3/8"-16 x 3/4"	A/R	
24	0100020	Loctite #567	A/R	
25	3290605	Locknut M6	A/R	
26	3421453	Pin, Snapper	3	
27	4010608	Screw M6 x 16mm	A/R	
28	4811700	Flatwasher M6	A/R	
29		Flatwasher Options:	2	
	4751400	Flatwasher 1/4" (Prior to S/N 0300138115)		
	4751000	Flatwasher #10 (S/N 0300138115 to Present)		
		DECAL INSTALLATION	Ref.	
	0272599	60Hz Power Supply	Ref.	A
	0272607	50Hz Power Supply	Ref.	A
101	1705490	Decal, SkyCutter™	2	
102		Decal, No Hands (Option)	A/R	
	1702868	60Hz Power Supply	1	
	Not Required	50Hz Power Supply	0	
103	1705305	Decal, Weld Lead	1	
104	1705466	Decal, Weight	1	

SECTION 5 - SKYCUTTER™

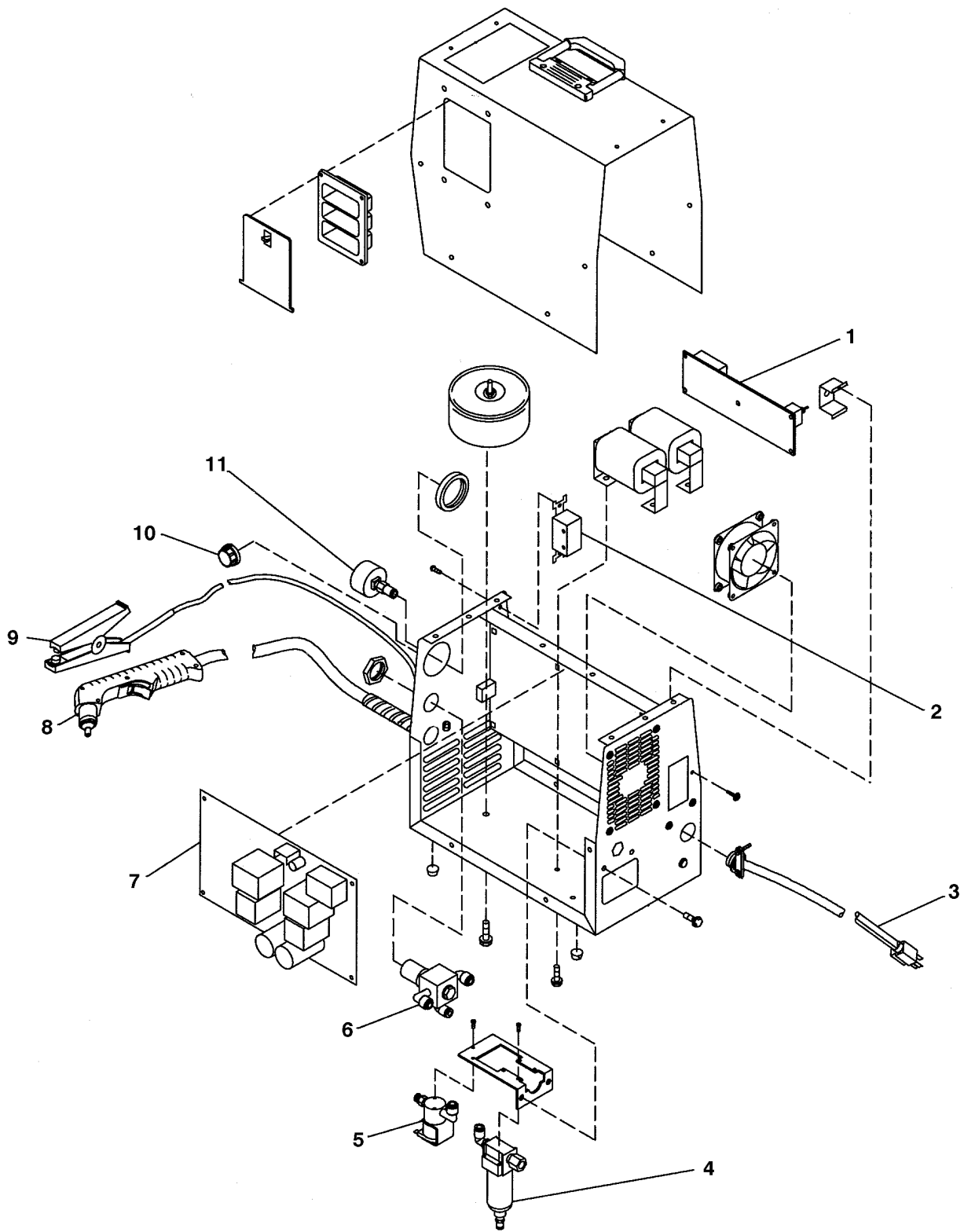


Figure 5-4. SkyCutter™ Main Assembly Parts Drawing (4530024/4530025)

SECTION 5 - SKYCUTTER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 5-4.	4530024	SKYCUTTER™ MAIN ASSEMBLY	Ref.	
	4530025	60Hz Power Supply 50Hz Power Supply Note: For Other Components see your Miller Dealer.	Ref. Ref. Ref.	
1		Circuit Card Options:	1	
	7024519	60Hz Power Supply		
	7024538	50Hz Power Supply		
2	7024520	Switch	1	
3		Cable, Power Options:	10ft/3m	
	7024521	60Hz Power Supply		
	7024539	50Hz Power Supply		
4	7024522	Filter, Air	1	
5		Valve, Air Options:	1	
	7024523	60Hz Power Supply		
	7024540	50Hz Power Supply		
6	7024524	Regulator, Air	1	
7		Circuit Card	1	
	7024525	60Hz Power Supply		
	7024541	50Hz Power Supply		
8	7024526	Torch (See Figure 5-7 for Breakdown)	1	
9	7024527	Clamp	1	
10	7024528	Knob	1	
11	7024529	Gauge, Air	1	

SECTION 5 - SKYCUTTER™

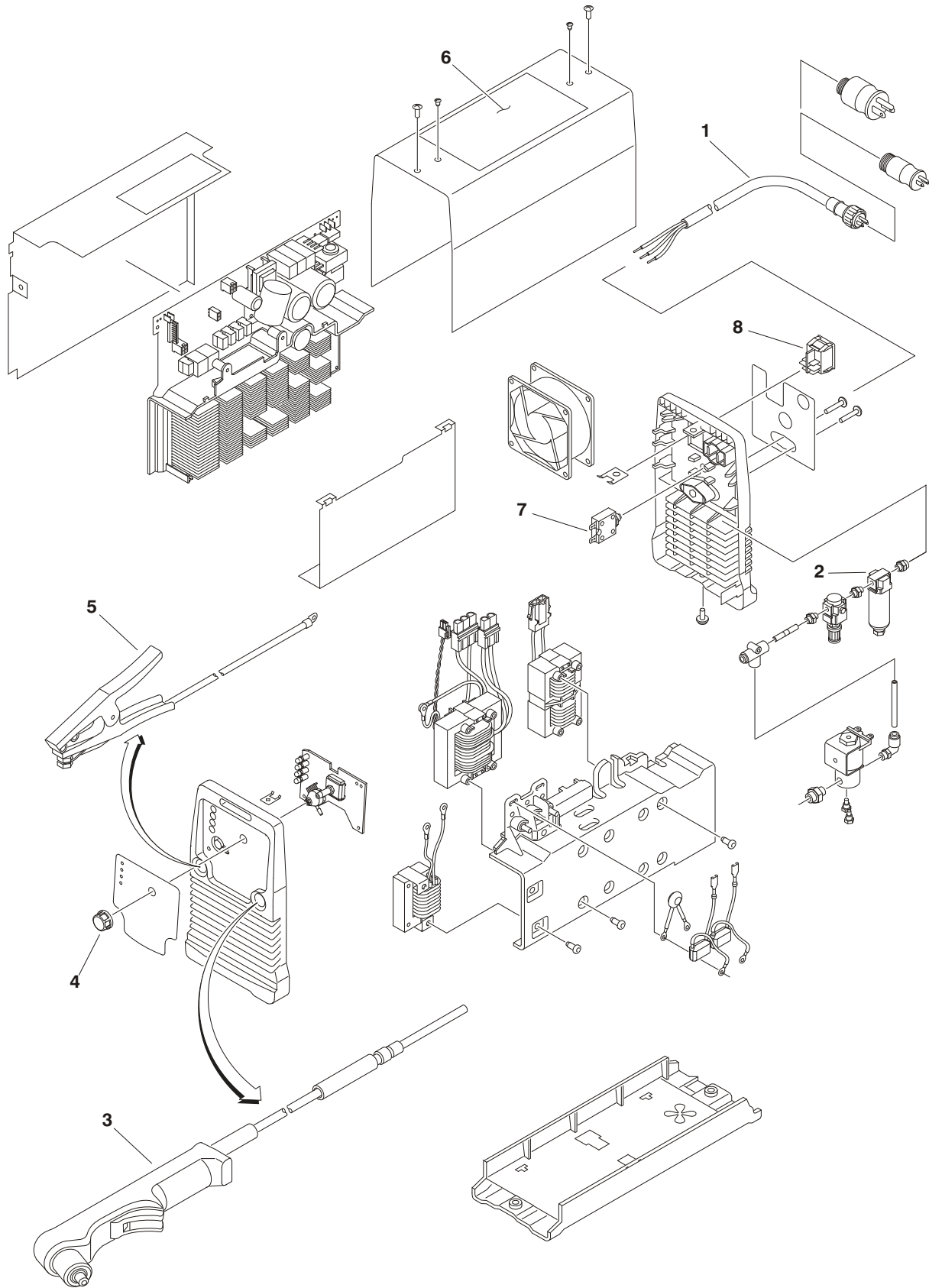


Figure 5-5. SkyCutter™ Main Assembly Parts Drawing (1001098012)

SECTION 5 - SKYCUTTER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 5-5.	1001098012	SKYCUTTER™ MAIN ASSEMBLY 50Hz/60Hz Power Supply Note: For Other Components see your Miller Dealer.	Ref. Ref. Ref.	
1	70001424	Cable, Power	1	
	70001425	Decal, Voltage Warning	1	
2	70001427	Filter, Regulator	1	
3	70001428	Torch (See Figure 5-7 for Breakdown)	1	
4	7024471	Knob	1	
5	70001429	Clamp with Cable	1	
6	70001430	Decal, Caution	1	
7	70001431	Breaker, Circuit	1	
8	70001432	Switch, On/Off Rocker	1	

SECTION 5 - SKYCUTTER™

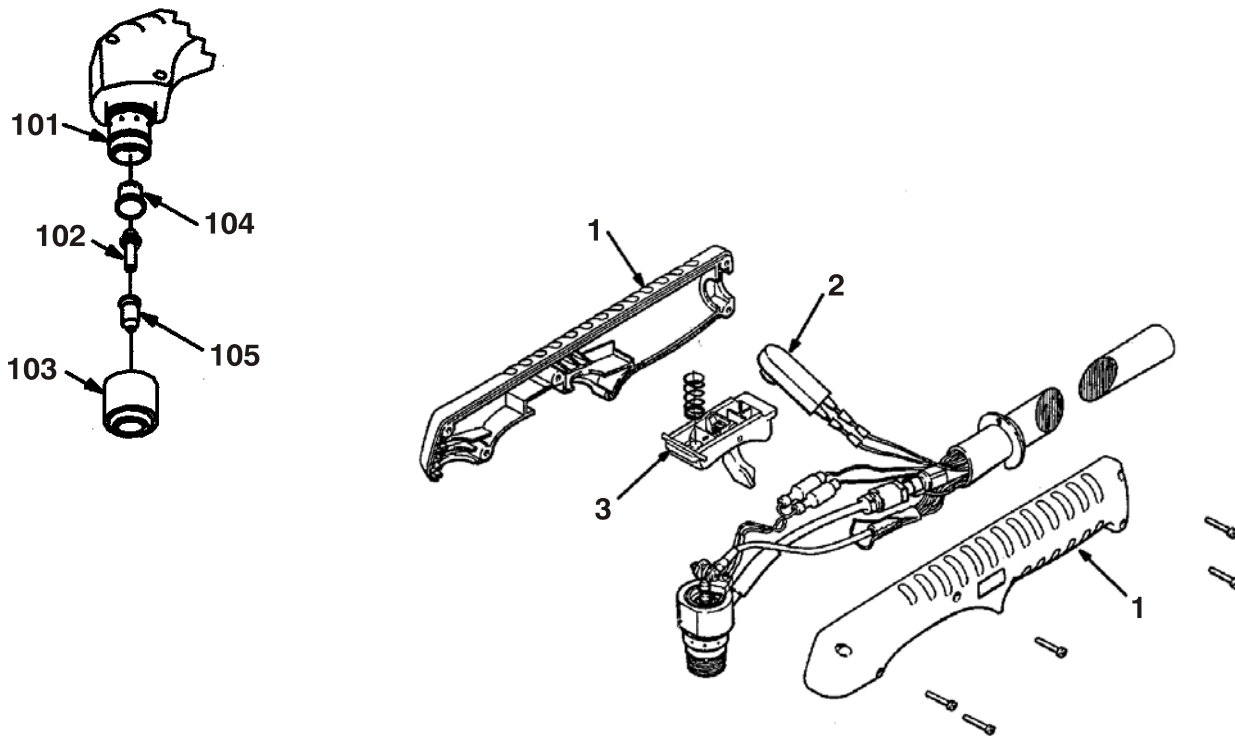


Figure 5-6. SkyCutter™ Torch Parts Drawing

SECTION 5 - SKYCUTTER™

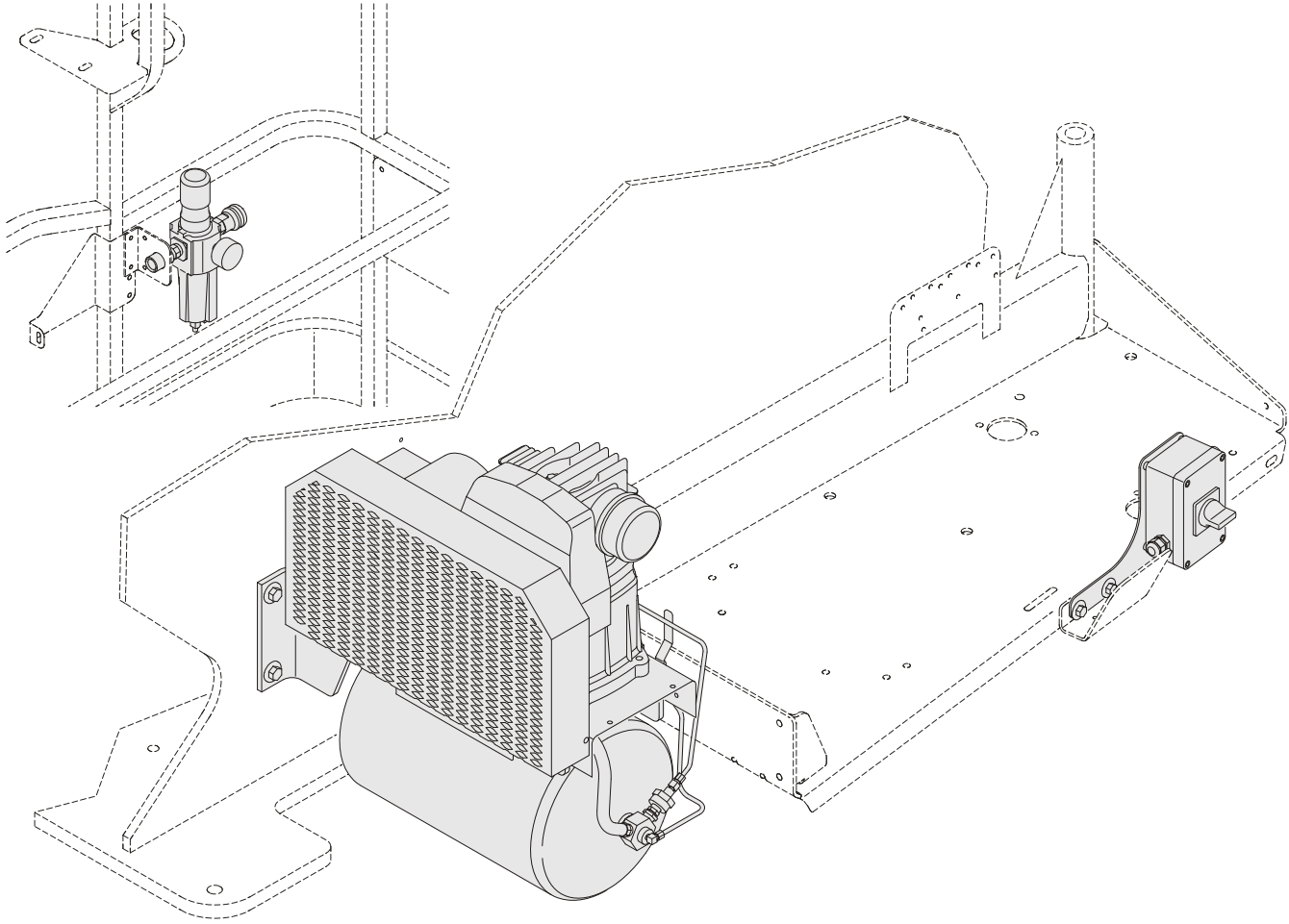
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 5-6.		SKYCUTTER™ TORCH COMPONENTS Note: For Other Components see your Miller Dealer.	Ref. Ref.	
1	7024535	Handle, Torch	1	
2	7024536	Switch	1	
3	7024537	Trigger	1	
101	7024530	O-Ring	1	
102	7024531	Electrode	1	
103	7024532	Cup, Retaining	1	
104	7024533	Swirl Ring	1	
105	7024534	Tip	1	

SECTION 5 - SKYCUTTER™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION 6 SKYAIR™

Boom Lift Platform - Air Compressor



PRODUCT USE

This product is available for use on the following JLG products

- | | | | | |
|--------------------------|---------------------------|-------------------------|--------------------------|--------------------------|
| 400S¹ | 460SJ¹ | 600S¹ | 600SC¹ | 600SJ¹ |
| 660SJ¹ | 660SJC¹ | 800A¹ | 800AJ¹ | 800S¹ |
| 860SJ¹ | | | | |

Footnotes: ¹ See Accessory - Model Application Chart for Market Availability.

SECTION 6 - SKYAIR™

DESCRIPTION

This belt-driven air compressor supplies compressed air to the platform. A filter/regulator controls air pressure (located at the platform). An on/off switch controls power to the air compressor (located in the engine compartment).

Compressor Specs

Single Stage with Dual Control

CFM Displacement: 9.3

Motor: 230-volt, 2 horsepower, 3 phase

ACCESSORY RATINGS

CONTROL MODE	VOLUME
Automatic Start-Stop Control	100-130 PSI
Constant Run Control	105-120 PSI

SAFETY PRECAUTIONS

General

NOTICE

READ AND UNDERSTAND THE OPERATORS MANUAL FOR THE SPECIFIC JLG MODEL BEING USED.

⚠ WARNING

DO NOT OVER LOAD PLATFORM.

1. Make sure no personnel are beneath platform.
 2. This factory installed option is available only on models specified.
 3. Keep lanyard attached at all times.
-

PREPARATION AND INSPECTION

Ensure compressor & hoses are secure, check condition of belt and wiring.

OPERATION

Start engine. Turn on generator. Turn on compressor. Begin using.

SERVICE AND MAINTENANCE

Refer to J-Air Service and Maintenance Manual.



NOTES:

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SECTION 6 - SKYAIR™

PARTS

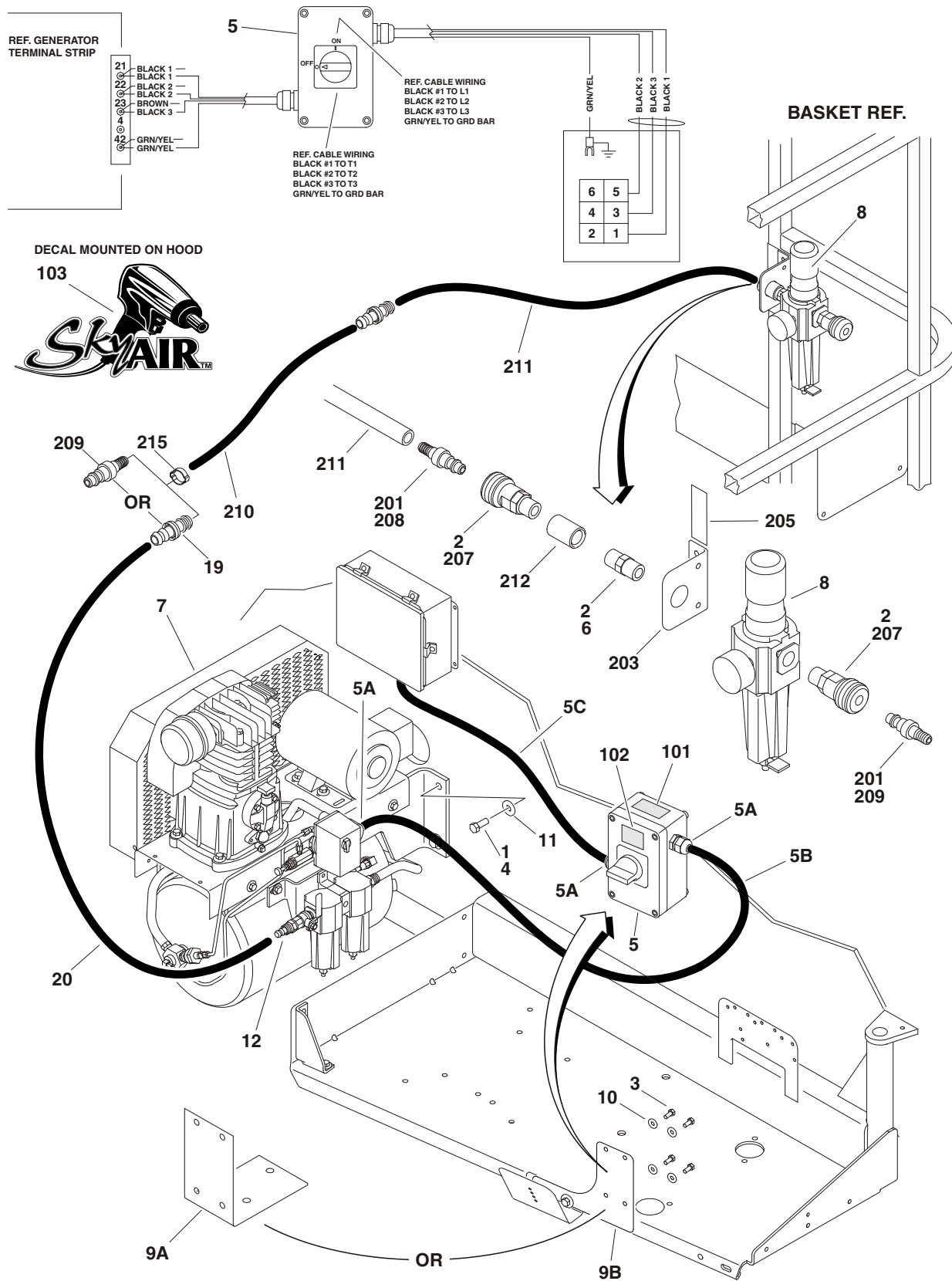


Figure 6-1. SkyAir™ Parts Drawing

SECTION 6 - SKYAIR™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 6-1.		SKYAIR™ AIR COMPRESSOR INSTALLATION	Ref.	
		0273512 400S/460SJ 60Hz Spec	Ref.	A
		Not Available 400S/460SJ 50Hz Spec	Ref.	
		Not Available 450A Series II/450AJ Series II/510AJ/600A/600AJ/600SC/ 600SCJ/660SCJ	Ref.	
		0273450 600S/600SC/600SJ/660SJ/660SJC 60Hz Spec	Ref.	B
		Not Available 600S/600SC/600SJ/660SJ/660SJC 50Hz Spec	Ref.	
		0274031 800A/800AJ 60Hz Spec	Ref.	C
		Not Available 800A/800AJ 50Hz Specs	Ref.	
	0273596 800S/860SJ 60Hz Spec	Ref.	A	
	Not Available 800S/860SJ 50Hz Specs	Ref.		
1	0100019	Locking, Compound	A/R	
2	0100020	Sealant #567	A/R	
3	0641506	Bolt 5/16"-18NC x 3/4"	4	
4	0641810	Bolt 1/2"-13NC x 1 1/4"	4	
5	0861642	Control Box Assembly	1	
5A	4460633	Connector, Strain Relief	3	
5B	70002948	Cable, Electrical -12/4 (13ft/4m)	A/R	
5C	70002948	Cable, Electrical -12/4 (30in/76cm)	A/R	
6	2220252	Fitting, Adapter	1	
7	3600386	Compressor Assembly (See Figures 6-2 for Breakdown)	3	
8	3720021	Filter/Regulator Assembly	1	
	7027781	Service Kit (Includes Gaskets & Seals)	1	
	7027782	Filter	1	
	7027784	Gauge	1	
	7027783	Valve, Drain	1	
9		Bracket, Control Box Options:	1	
9A	4340749	400S/460SJ		
9B	4340747	600S/600SJ/660SJ/800A/800AJ/800S/860SJ		
10	4751500	Flatwasher 5/16" Wide	4	
11	4751800	Flatwasher 1/2" Wide	4	
12	2220750	Fitting	1	
13 to 18	Not Used			
19		Fitting, Barbed Options:	A/R	
	Not Required	All Models except 800A/800AJ	0	
20	2221037	800A/800AJ Only	1	
	Not Required	Extension, Air Hose Options:	A/R	
21	2720545	All Models except 800A/800AJ	0	
	1320224	800A/800AJ Only	1	
		Clamp (800S/860SJ Only) (Not Shown):	2	
		DECAL INSTALLATIONS	Ref.	
	0273710	400S/460SJ	Ref.	A
	0273687	600S/600SJ/660SJ/800A/800AJ/800S/860SJ	Ref.	A
101	1705836	Decal - Hazard Voltage	1	
102	1705837	Decal - Air Compressor	1	
103	1705886	Decal - SkyAir	2	

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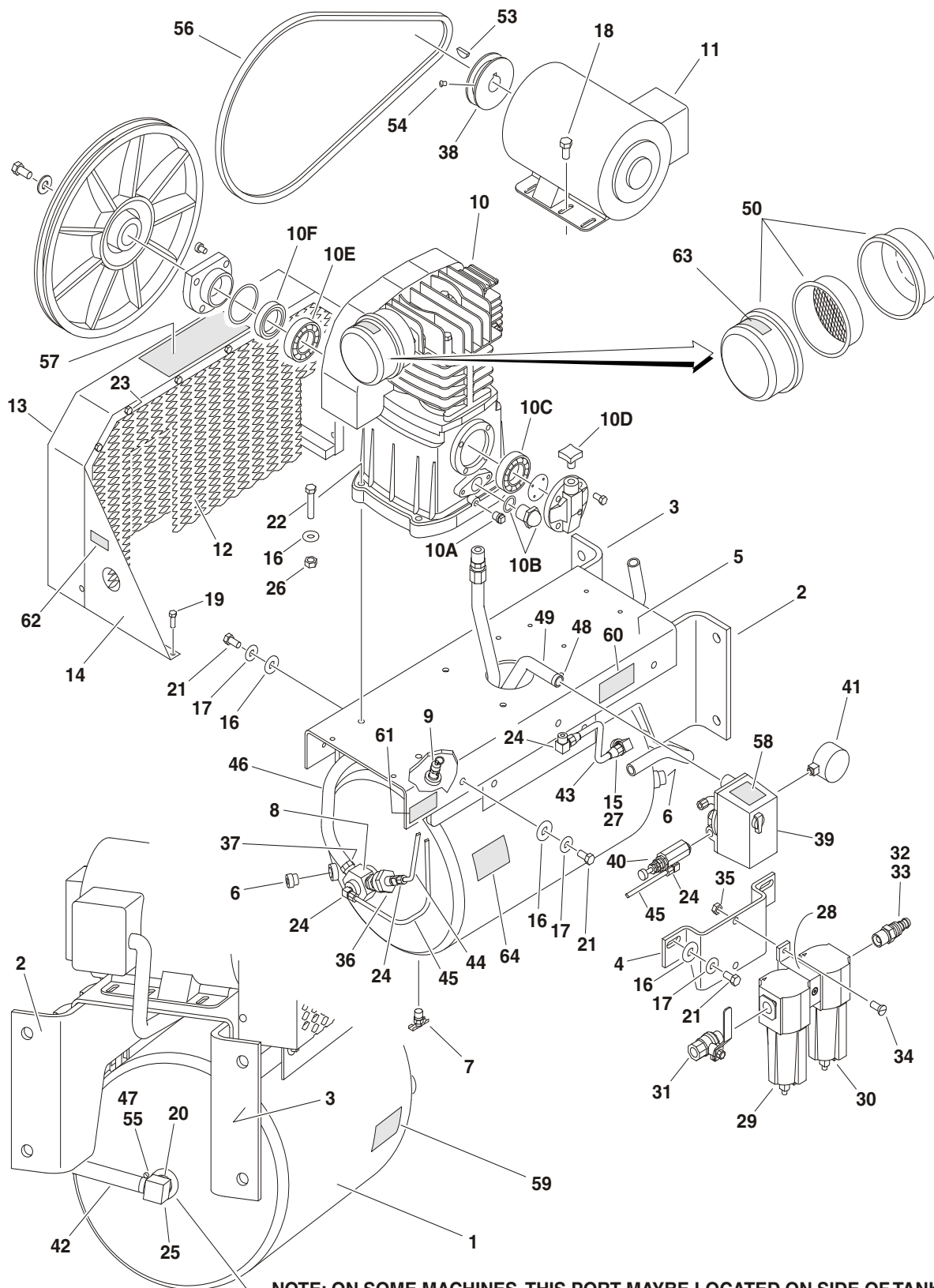
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		AIRLINE INSTALLATIONS	Ref.	
	0271239	400S	Ref.	3/G
	0271445	460SJ	Ref.	3/G
	0255388	600S/600SJ	Ref.	4/D
	0255389	660SJ	Ref.	4/D
	0258802	800A	Ref.	B
	0258805	800AJ	Ref.	B
	0271472	800S	Ref.	B
	0271473	860SJ	Ref.	B
201	0100020	Sealant #567	A/R	
202	Not Used			
203	0902317	Bracket, Mounting	1	
204		Clamp Options (Not Shown):	A/R	
	1320223	400S/460SJ	4	
	1320044	600S/600SJ/660SJ/800S/860SJ	1	
	Not Required	800A/800AJ	0	
205		Decal - Airline Options:	A/R	
	3251158	400S/460SJ/600S/600SJ/660SJ	2	
	1704125	800A/800AJ	2	
	1704125	800S/860SJ	1	
	3251158	800S/860SJ (Not Shown - Located on T/T)	1	
206	Not Used			
207	2220747	Fitting	2	
208	2220750	Fitting	1	
209	2220829	Plug	A/R	
210		Hose, Lower/Tower Boom Options:	A/R	
	Not Required	400S/460SJ	0	
	Not Required	600S/600SJ/660SJ	0	
	2752818	800A/800AJ	1	
	2753646	800S/860SJ	1	
211		Hose, Main Boom Options:	A/R	
	2720160	400S (Prior to S/N 0300091218)	55ft	
	2720476	400S (S/N 0300091218 to Present)	1	
	2720160	460SJ (Prior to S/N 0300091230)	65ft	
	2720504	460SJ (S/N 0300091230 to Present)	1	
	2753942	600S/600SJ	1	
	2753943	660SJ	1	
	2792819	800A	1	
	2792820	800AJ	1	
	2753647	800S	1	
	2753648	860SJ	1	
212	2220264	Fitting, Adapter	1	
213 to 214	Not Used			
215	1320177	Clamp	1	

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FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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PARTS



NOTE: ON SOME MACHINES, THIS PORT MAYBE LOCATED ON SIDE OF TANK.

Figure 6-2. SkyAir™ Compressor Parts Drawing

SECTION 6 - SKYAIR™

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
Figure 6-2.		SKYAIR™ COMPRESSOR PARTS	Ref.	
	3600386	All Models except 400S/460SJ	Ref.	B
	3600399	400S/460SJ Only	Ref.	A
1	7026632	Tank	1	
2	Not Available	Bracket, Mounting	1	
3	Not Available	Bracket, Mounting	1	
4	Not Available	Bracket, Regulator Mounting	1	
5	Not Available	Deck	1	
6	Not Available	Plug	2	
7	7026634	Valve, Drain	1	
8	7026634	Valve, Check	1	
9	7026635	Valve, Safety	1	
10	7026636	Pump Assembly	1	
	7026659	Gasket & Seal Kit		
10A	7026651	Plug, Oil Drain		
10B	7026652	Gauge, Oil Sight		
10C	7026653	Bearing		
10D	7026654	Cap, Oil Fill		
10E	7026655	Bearing		
10F	7026656	Seal		
11	7026637	Motor Assembly	1	
	Not Available	Brush Kit	1	
12	Not Available	Screen, Inner	1	
13	Not Available	Guard, Belt	1	
14	Not Available	Support	2	
15	Not Available	Bushing	1	
16	4751600	Flatwasher 3/8"	18	
17	4761600	Lockwasher 3/8"	10	
18	0641506	Bolt 5/16"-18NC x 3/4"	4	
19	0641406	Bolt 1/4"-20NC x 3/4"	8	
20	Not Available	Bushing	1	
21	0641610	Bolt 3/8"-16NC x 1 1/4"	10	
22	0641616	Bolt 3/8"-16 x 2"	4	
23	Not Available	Bolt, Flanged 1/4"-20NC x 1/2"	10	
24	Not Available	Fitting	4	
25	Not Available	Fitting, Barbed	1	
26	3311605	Locknut 3/8"-16NC	4	
27	Not Available	Fitting, Compression	1	
28	Not Available	Bracket, Mounting	1	
29	7026660	Filter, Oil Removal	1	
30	7026661	Filter, Water Removal	1	
31	70001663	Valve, Ball Shut-Off	1	
32	Not Available	Bushing	1	
33	Not Available	Fitting, Barbed	1	
34	Not Available	Screw, Flathead 1/4"-20NC x1"	2	
35	3311405	Locknut 1/4"-20NC	2	
36	Not Available	Unloader	1	
37	Not Available	Fitting	1	

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FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
38	Not Available	Pulley	1	
39	7026638	Switch, Pressure	1	
40	7026634	Valve, Pilot	1	
41	7026640	Gauge	1	
42	Not Available	Hose	1	
43	Not Available	Tube, Feed	1	
44	Not Available	Tube	1	
45	Not Available	Tube	1	
46	Not Available	Aftercooler	1	
47	Not Available	Clamp	2	
48	Not Available	Clamp	2	
49	Not Available	Harness, Wiring	1	
50	7026658	Filter Assembly	1	
	7026641	Element, Filter	1	
51	Not Available	Oil, Compressor	23oz	
52	0100020	Sealant	A/R	
53	Not Available	Key	1	
54	Not Available	Setscrew	2	
55	Not Available	Cover, Clamp End	2	
56	7026642	Belt	1	
57	7026643	Decal - Unit Warning	1	
58	7026644	Decal - Pressure Switch Warning	1	
59	7026645	Decal - Drain Tank Warning	1	
60	7026646	Decal - Compressor Maintenance	1	
61	7026647	Decal - Initial Oil Fill	1	
62	7026648	Decal - Hot Surfaces Warning	1	
63	7026649	Decal - Paper Element Cleaning	1	
64	7026650	Decal - Dual Control	1	



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An Oshkosh Corporation Company

Corporate Office
JLG Industries, Inc.
1 JLG Drive
McConnellsburg PA. 17233-9533
USA

☎ (717) 485-5161

📠 (717) 485-6417

JLG Worldwide Locations

JLG Industries (Australia)
P.O. Box 5119
11 Bolwarra Road
Port Macquarie
N.S.W. 2444
Australia

☎ +61 2 65 811111

📠 +61 2 65 813058

JLG Latino Americana Ltda.
Rua Eng. Carlos Stevenson,
80-Suite 71
13092-310 Campinas-SP
Brazil

☎ +55 19 3295 0407

📠 +55 19 3295 1025

JLG Industries (UK) Ltd
Bentley House
Bentley Avenue
Middleton
Greater Manchester
M24 2GP - England

☎ +44 (0)161 654 1000

📠 +44 (0)161 654 1001

JLG France SAS
Z.I. de Baulieu
47400 Fauillet
France

☎ +33 (0)5 53 88 31 70

📠 +33 (0)5 53 88 31 79

JLG Deutschland GmbH
Max-Planck-Str. 21
D - 27721 Ritterhude - Ihlpohl
Germany

☎ +49 (0)421 69 350 20

📠 +49 (0)421 69 350 45

JLG Equipment Services Ltd.
Rm 1107 Landmark North
39 Lung Sum Avenue
Sheung Shui N. T.
Hong Kong

☎ (852) 2639 5783

📠 (852) 2639 5797

JLG Industries (Italia) s.r.l.
Via Po. 22
20010 Pregnana Milanese - MI
Italy

☎ +39 029 359 5210

📠 +39 029 359 5845

Oshkosh-JLG Singapore
Technology Equipment Pte
Ltd
29 Tuas Ave 4,
Jurong Industrial Estate
Singapore, 639379

☎ +65-6591 9030

📠 +65-6591 9031

Plataformas Elevadoras
JLG Iberica, S.L.
Trapadella, 2
P.I. Castellbisbal Sur
08755 Castellbisbal, Barcelona
Spain

☎ +34 93 772 4700

📠 +34 93 771 1762

JLG Sverige AB
Enkopingsvagen 150
Box 704
SE - 176 27 Jarfalla
Sweden

☎ +46 (0)850 659 500

📠 +46 (0)850 659 534