

OWNER'S MANUAL

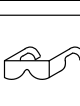
2019-10

FORM: OM-207287B

Use above FORM number when ordering extra manuals.

Robot Analog Simulator 195030

1. Safety Symbol Definitions

 DANGER! – Indicates a hazardous situation which, if not avoided, will result in death or serious injury. The possible hazards are shown in the adjoining symbols or explained in the text. DANGER ! - Indique une situation dangereuse qui, si elle n'est pas évitée, entraînera la mort ou des blessures graves. Les éventuels risques sont représentés par les symboles joints ou expliqués dans le texte. Fsafe1 2013-10		Beware of electric shock from wiring. Disconnect input power before installing this kit. Reinstall all panels and covers. Attention aux décharges électriques au contact des câbles. Couper l'alimentation électrique avant d'installer ce kit. Réinstaller tous les panneaux et couvercles. Fsafe7 2013-10
 Indicates a hazardous situation which, if not avoided, could result in death or serious injury. The possible hazards are shown in the adjoining symbols or explained in the text. Indique une situation dangereuse qui, si elle n'est pas évitée, entraînera la mort ou des blessures graves. Les éventuels risques sont représentés par les symboles joints ou expliqués dans le texte. Fsafe2 2013-10		Wear safety glasses with side shields. Porter des lunettes de sécurité avec écrans latéraux. Fsafe8 2013-10
NOTICE  <i>Indicates statements not related to personal injury. Signale des consignes non associées aux dommages corporels.</i> <i>Indicates special instructions. Fournit des instructions spéciales.</i> Fsafe3 2013-10		Have only trained and qualified persons install, operate, or service this unit. Read the safety information at the beginning of these instructions and in each section. Call your distributor if you do not understand the directions. For WELDING SAFETY and EMF information, read owner's manual(s). Ne confiez l'installation, l'exploitation ou l'entretien de cet appareil qu'à des personnes compétentes et qualifiées. Lire les directives de sécurité au début de ces instructions et dans chaque section. Appeler votre distributeur si vous ne comprenez pas les directives. Lire le(s) manuel(s) d'utilisateur pour des renseignements sur la SÉCURITÉ DE SOUDAGE et les champs électromagnétiques. Fsafe15 2013-10

CALIFORNIA PROPOSITION 65 WARNINGS

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

PROPOSITION CALIFORNIENNE 65 AVERTISSEMENTS

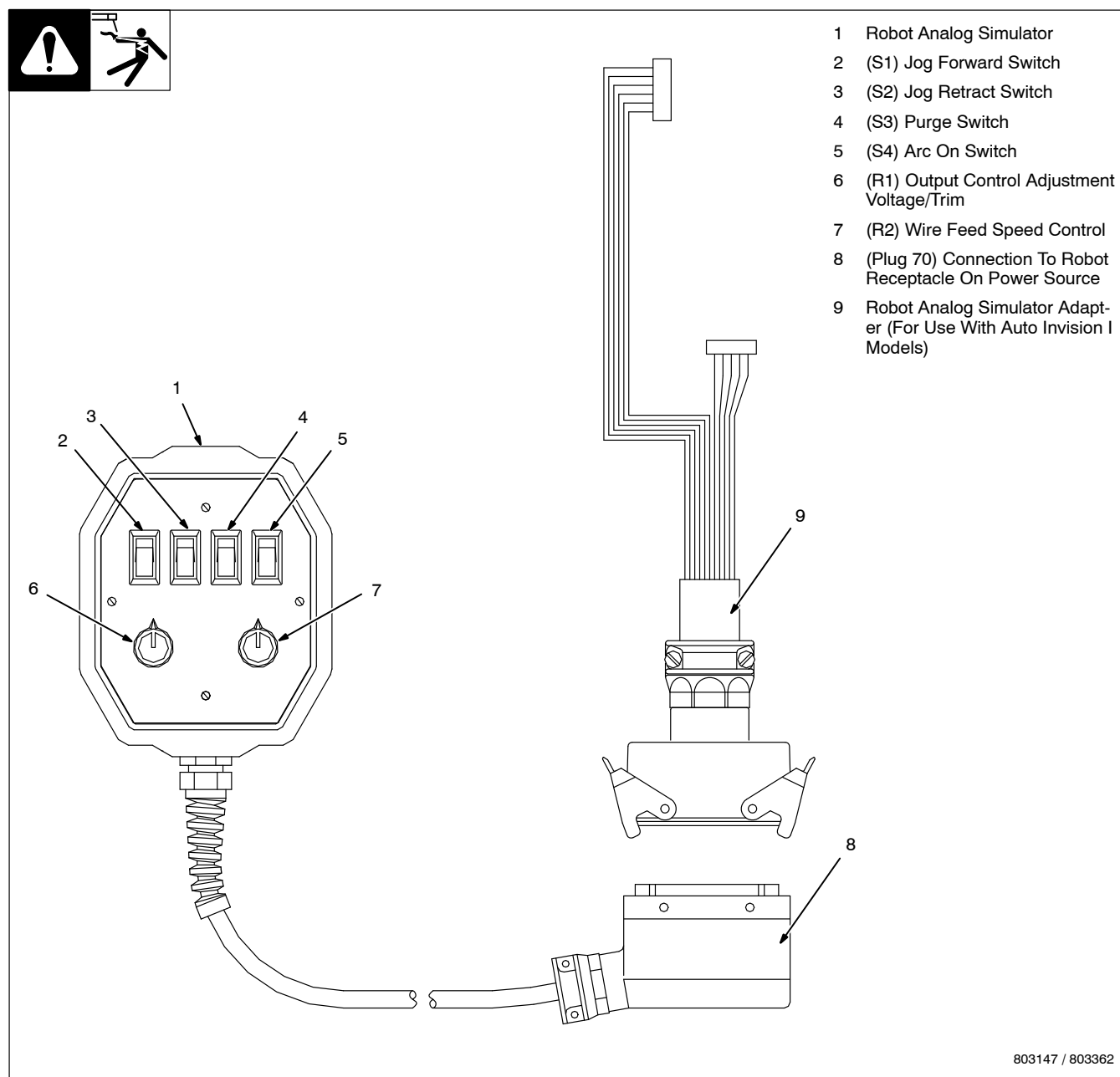
AVERTISSEMENT : cancer et troubles de la reproduction – www.P65Warnings.ca.gov

Fsafe26 2018-0

Notes

[illegible]

2. Robot Analog Simulator And Adapter



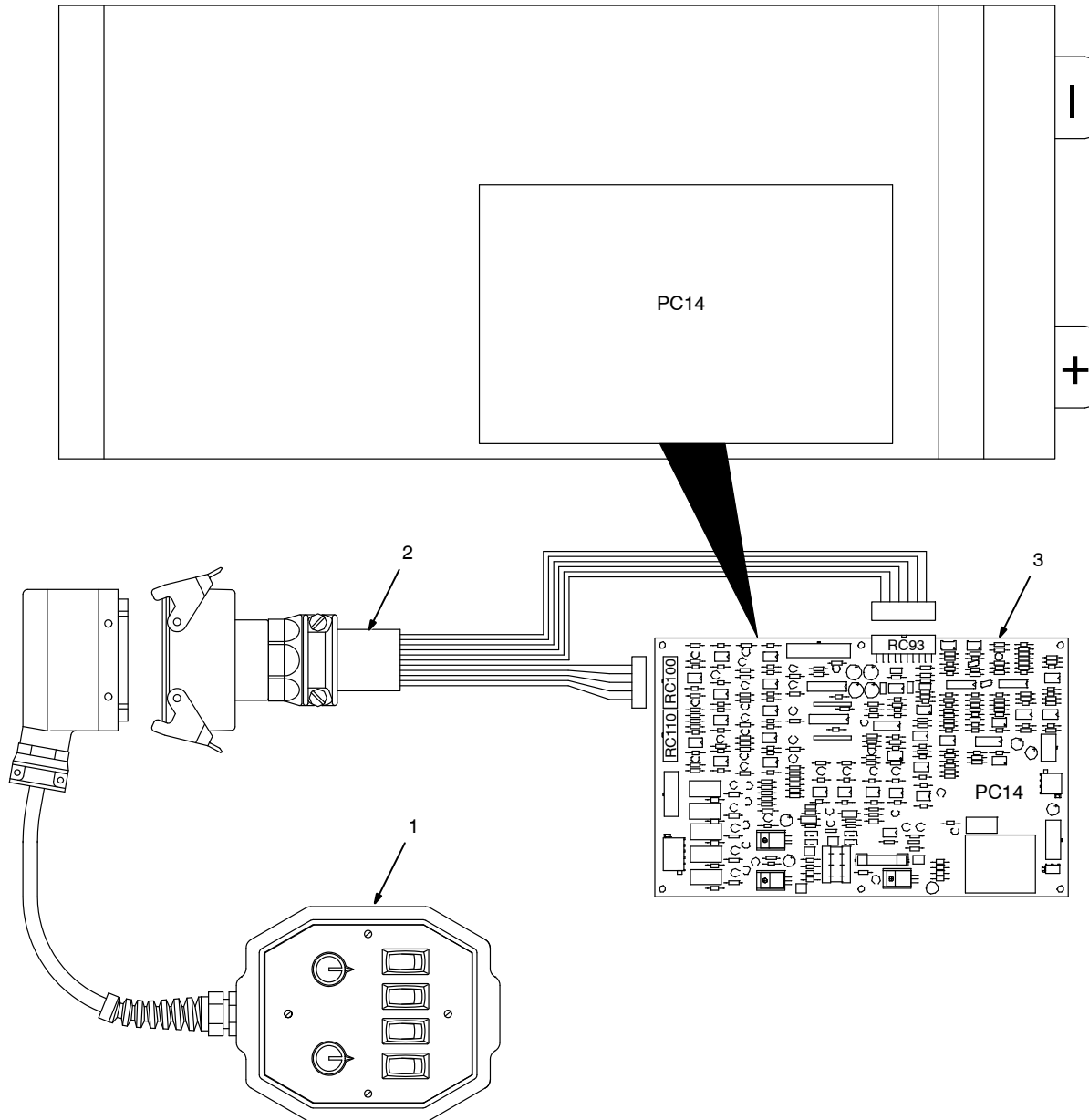
3. Testing

► **IMPORTANT:** Automation equipment will need to have a drive motor and either an arc or resistive load connected to avoid the unit from displaying errors (example, TACH ERR or ARC START ERR).

4. Installing Robot Analog Simulator Adapter



Top View



803362

⚠ Turn Off welding power source, disconnect input power before proceeding.

- 1 Robot Analog Simulator
- 2 Robot Analog Simulator Adapter
- 3 Customer Interface Board PC14

Remove top cover.

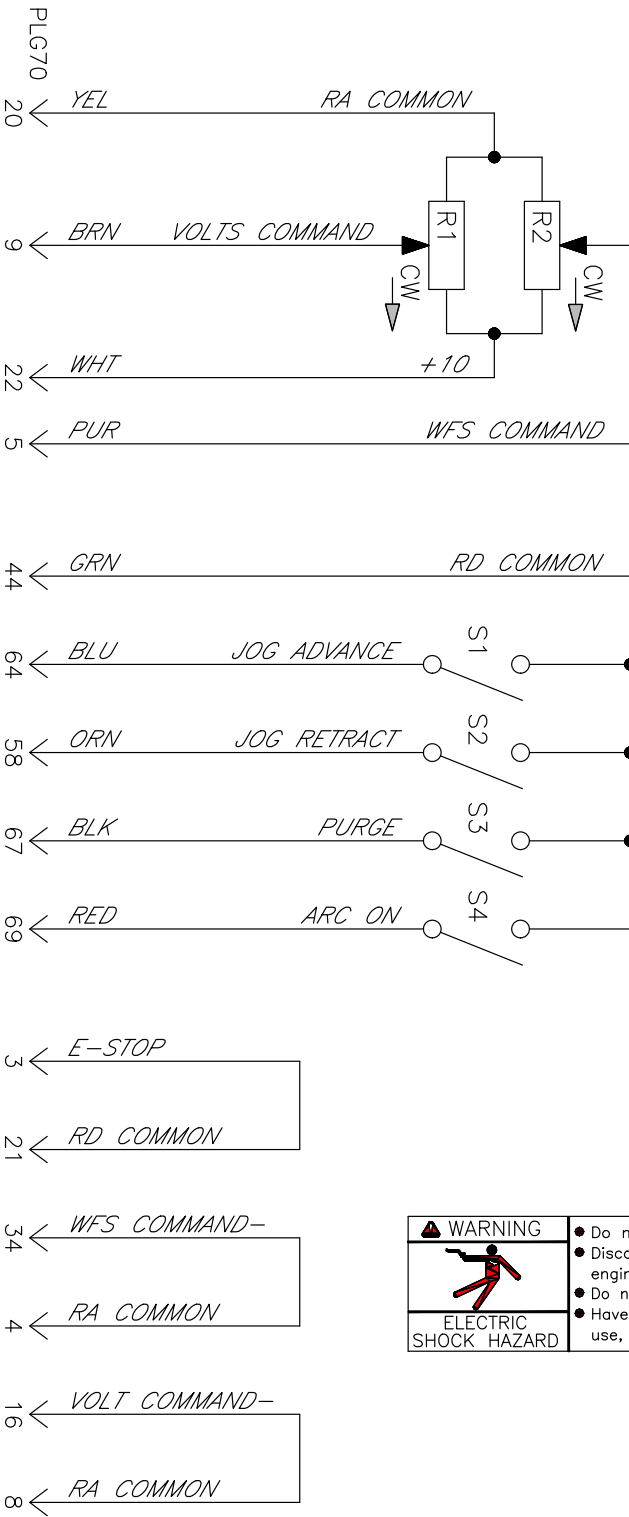
Locate and remove plugs from RC93 and RC100 or RC110 as required on Customer Interface Board PC14.

Connect Robot Simulator Adapter to RC93 and RC100 on PC14. Perform test.

⚠ Turn Off welding power source, disconnect input power before proceeding.

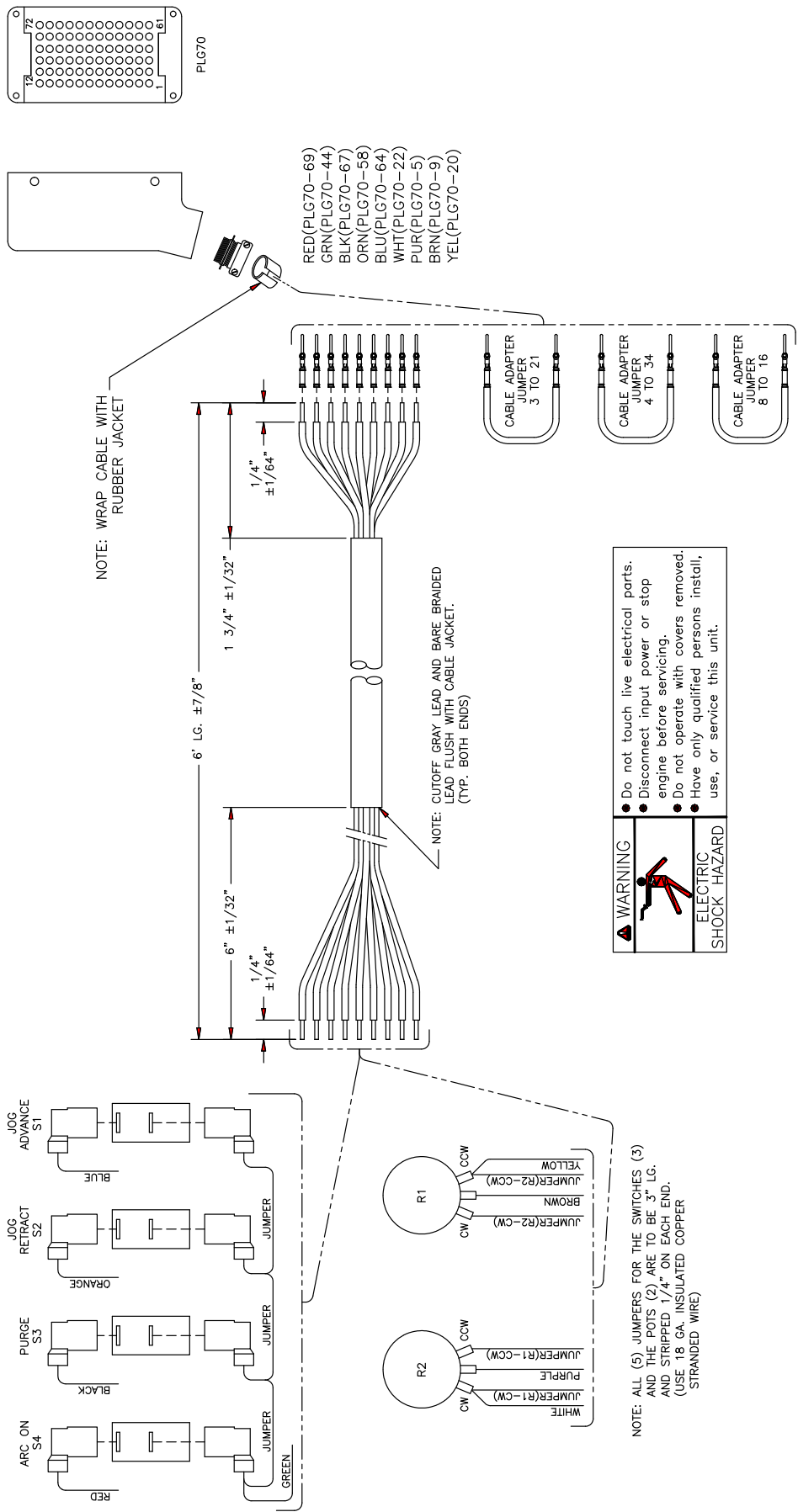
Remove Robot Simulator Adapter from RC93 and RC100. Reconnect PLG93 and PLG100 or PLG110 as applicable. Reinstall top cover.

5. Circuit Diagram



	WARNING
	● Do not touch live electrical parts. ● Disconnect input power or stop engine before servicing. ● Do not operate with covers removed. ● Have only qualified persons install, use, or service this unit.
ELECTRIC SHOCK HAZARD	

6. Wiring Diagram Unit



7. Parts List

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Complete Assembly				
1		135370	Housing, Circuit Control	1
2		206711	Cover, Control	1
3		208860	Nameplate, Miller Robot Analog Simulator	1
4		134900	Strain Relief, Cable Flexible .270-.480 Cable	1
5		207768	Cable, Adapter Robot Analog Simulato	1
6		097426	Cable, Shld No 18ga 10/C Pvc Jkt	6
7		049193	Term, Frict 250x032 Ultrfast Feml 16-14ga 185od Flg	8
8		199868	Conn, Circ Pin Pushin	9
9		196116	Jumper, Cable Adapter	3
10		199867	Conn, Rect Male Insert	1
11		199866	Conn, Rect Hood Side-entry	1
12		199870	Conn, Clamp Cable 21mm Id	1
13	S1-S4	111997	Switch, Rocker Spst 10a 250vac On-off Visi Red Rock	4
14	R1, R2	073562	Pot, Cp Std Slot 1t 2. W 10k Linear	2
15		193919	Knob, 1.250 Dia X .250 Id W/Two Set Screws	2
16		070371	Blank, Snap-in Nyl 1.093/1.125 Mtg Hole Black	1
17		114045	Screw, 006-32x .50 Hexwhd-pln Stl Pld Slffmg Tap-rw	4
18		605339	Washer, Tooth.377idx0.507odx.022t Stl Pld Int.375 A	2
19		604645	Nut, 375-32 .56hex .09h Stl Cad Use W/Pots	4
20		135363	Nut, 006-32 Push On .16dia .11h Stl Pld	4

BE SURE TO PROVIDE MODEL WHEN ORDERING REPLACEMENT PARTS.

Notes

This image shows a full page of blank, lined paper. It features approximately 30 horizontal grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings present.

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.