WINCO® INC
A Division of DTE Dyna Technology Inc

SERVICE INSTRUCTIONS

Installation of Resistor Assembly part number 62029-002.
The resistor assembly changes overcrank and overspeed sensing from engine ignition to generator frequency sensing.

PSS20000

1. Remove the panel inside the enclosure that has the Run/Stop/Auto switch on it. Locate both the Engine Control Module (ECM) and the PR1 Relay. The PR1 relay is the small 120 volt single pole/double throw relay mounted in the cabinet just behind the terminal Strip. The ECM is mounted on the bottom of the divider shelf.

2. Remove the G1 lead from the PR1 relay and replace it with the G1 lead on the enclosed resistor assembly. Plug the G1 lead you removed, to the mating lug on the resistor assembly.

3. Locate lead #27 on the ECM terminal strip. Remove the #27 lead from the terminal block and insulate and cap it off. Install the #27 lead from the resistor assembly to the ECM terminal strip where the old lead was.

4 The last step will be to adjust the overspeed.

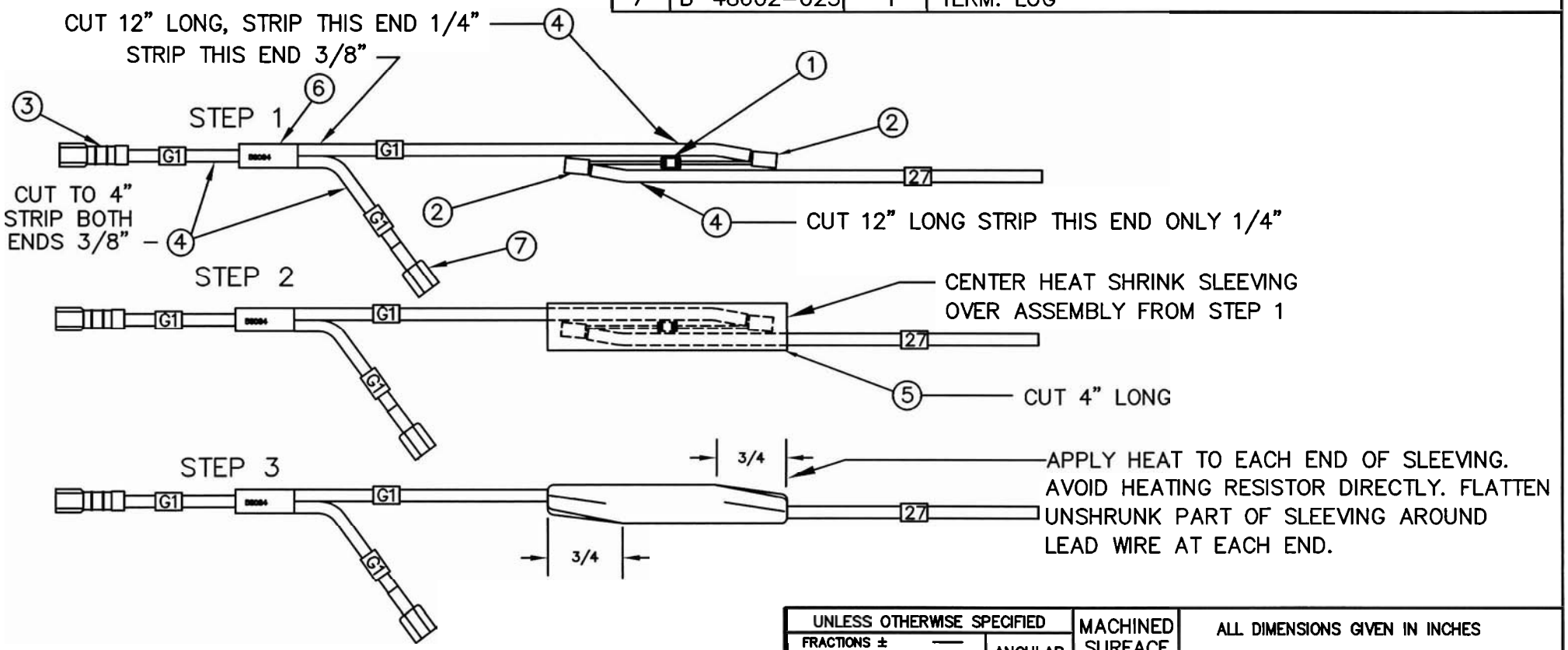
- There is a small hole in the face of the ECM the lines up with the adjustment hole in the shelf. This adjustment hole allows you access to a multi-turn adjustment pot on the ECM control board.
- Before starting the unit adjust this pot 6 to 8 turns counterclock-wise.
- Next start the engine generator set and continue to turn counterclock wise until the unit trips out on overspeed.
- Turn the switch to the off position to reset the shut down and turn the pot 3 turns clock-wise.
- Attach a frequency meter to the generator output and restart the generator. Gradually accelerate the engine watching the frequency meter. You want the engine to get to 67 Hz before it shuts down on overspeed.
- If it shuts down before you get to 67 Hz continue to adjust the pot clockwise until it will not trip out until you reach 67 Hz.

5. Verify the toggle switch is in the "AUTO" position and close up the unit.

This completes the installation on the PSS20000/A & B units

A-62029-002

ITEM	PART NO	QUAN.	DESCRIPTION
1	A-47074-049	1	RESISTOR, 33000 OHM
2	A-53828-002	2	SPLICE CONNECTOR
3	B-48602-024	1	TERM. LUG
4	A-12624-000	2.7 FT.	#16 GA. BLACK LEAD WIRE
5	A-93893-000	.33 FT.	HEAT SHRINK SLEEVING
6	A-58084-000	1	TERM. LUG
7	B-48602-025	1	TERM. LUG



ISSUE	E.C.O. NO.	DESCRIPTION	DATE	BY	APPR.
2		UPDATED STRIP LENGTHS	10/24/02	J.L.	
1	---	ORIGINAL	-----	---	---

REVISION RECORD

UNLESS OTHERWISE SPECIFIED		MACHINED SURFACE TEXTURE	ALL DIMENSIONS GIVEN IN INCHES
FRACTIONS ± — 1. PLACE DEC. ± .1 2. PLACE DEC. ± .031 3. PLACE DEC. ± .005	ANGULAR ± 1.5°		WORK TO DIMENSIONS – DO NOT SCALE –

DRAWN BY	DATE	CH'KD BY	DATE	APP'D BY	DATE	SCALE
J.L.	9/4/02					1"=2"

MATERIAL: ---

FINISH	---
ASS'Y	X
MODEL	X

TITLE: RESISTOR ASS'Y

PART NO. A-62029-002

WINCO® INCORPORATED