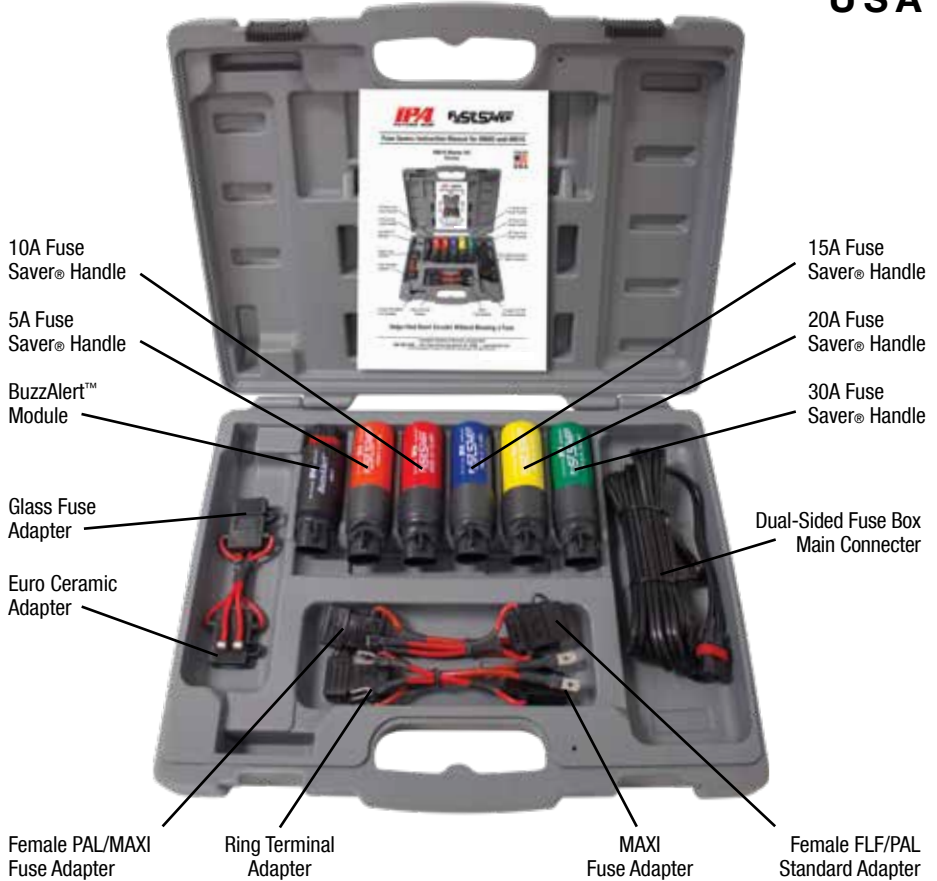

Fuse Saver[®] Instruction Manual for #8005 and #8016

**#8016 Master Kit
Shown**



Helps Find Short Circuits Without Blowing a Fuse

Innovative Products of America[®] Incorporated
845-679-4500 • 234 Tinker Street, Woodstock, NY 12498 • www.ipatools.com

© 2018 Innovative Products of America[®] Incorporated. All rights reserved. This material may not be reproduced, displayed, modified or distributed without the express prior written permission of the copyright holder. For permission, contact info@ipatools.com.



RISK OF EXPLOSION



RISK OF FIRE



WARNING



WEAR SAFETY GOGGLES



RISK OF ENTANGLEMENT



RISK OF BURN

WARNINGS

- To prevent arcing and avoid unnecessary wear that voids your warranty, always disconnect battery before inserting the tool.
- If any arcing is found during installation or use, disconnect immediately and recheck system.
- Do not connect to areas that have been subjected to heat from loose fuse contact (i.e. melted plastic housing in area of fuse for the circuit to be tested).
- Do not connect to loose or corroded contacts—this can cause arcing, extreme heat or fire.
- Do not assume that the fuse removed is the proper rated amperage for that circuit. Check vehicle's owner's manual for proper fuse size.
- Do not store in wet conditions or use in temperatures exceeding 110° F or below 40° F.

IMPORTANT NOTE: THE FUSE SAVER® HANDLE IS NOT DESIGNED TO MATCH THE BREAKING CURRENT OF A FILAMENT-TYPE FUSE. IT IS A BI-METAL HEATED ELEMENT DESIGNED TO SAFELY STRESS AN ELECTRICAL CIRCUIT SO THE TECHNICIAN CAN EASILY DISCOVER THE CAUSE OF A BAD CIRCUIT. EACH FUSE SAVER® HAS AN AMPERAGE RATING LISTED ON ITS HANDLE, THAT RATING IS DESIGNED FOR THAT CIRCUIT TYPE, NOT TO BE MATCHED AGAINST A STANDARD FUSE RATING.

INTRODUCTION

The Fuse Saver® provides a fast and safe solution for troubleshooting short circuits without blowing fuses or damaging vehicle electrical systems. The kit includes resetting, thermal breaker handles which are color coded to match the vehicle fuses. Simply plug the Fuse Saver® directly into the fuse box in place of the troubled circuit's fuse via the supplied Dual-Sided Fuse Box Main Connector. When a short is present, the breaker will pop. The user must then manually reset the breaker to reapply power to the circuit. Fuse Adapters included can be used in place of the following types of fuse connections: FLF, JCASE, MAXI, Female MAXI, FLS, Euro Ceramic, Glass Fuse, ATC, ATC Mini, Super Mini, PAL Standard, PAL Bent Male, Ring Type and more.

BEFORE INSERTING FUSE ADAPTER INTO THE FUSE BOX

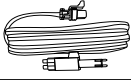
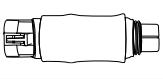
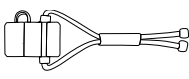
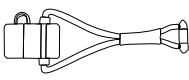
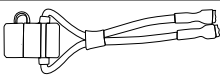
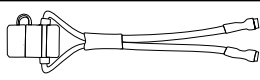
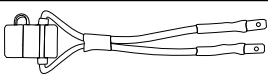
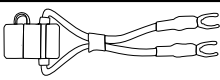
- Read all warnings.
- Prior to any electrical work, it is always best to first disconnect the negative battery terminal.
- Determine which circuit you want to test and what amperage rating the manufacturer requires for this circuit. (Verify proper fuse size by checking the vehicle's owner's manual.)
- Remove and inspect the fuse as well as the fuse connection identified as the troublesome circuit. Do not use the tool if a meltdown is found at the fuse terminal connection.
- Verify that the connection for the fuse is clean from corrosion and that the plastic insulation of the fuse box is not blistered or deformed from heat. (If this is the case, replace fuse box and internal connectors before proceeding.)
- Always install the Dual-Sided Fuse Box Main Connector with breaker handle connected.

- Select a breaker which matches the manufacturer’s amperage requirement for the specific circuit to be tested and connect it to the BuzzAlert™ (optional), then to the female end of the Dual-Sided Fuse Box Main Connector. Handles are color coded for easy selection.
- Install the large side of the Dual-Sided Fuse Box Main Connector into the corresponding Fuse Adapter. Be sure that the opposite end of the connector is clear of any foreign objects that may short across it.
- Reconnect vehicle’s negative battery terminal.

TROUBLESHOOTING A SHORT CIRCUIT

- With the Fuse Saver® installed to the vehicle’s fuse box, begin looking for the short circuit. When a short is present, or the amperage draw in the circuit exceeds the value of the Fuse Saver® handle in use, the thermal breaker housed inside of each Fuse Saver® handle will trip.
- When the breaker trips, the switch located at the top of the handle will pop up, revealing a white tab.
- Once the breaker has tripped, power to the circuit is removed in order to prevent damage to the circuitry.
- To reapply power, simply depress the switch until it stays down by itself.

NOTE: Thermal breakers require a cooldown time before they can be reset. If the breaker does not stay down when depressed, more cooldown time is required. If the breaker trips immediately after it’s pressed down, this could indicate a direct short versus a circuit overload. Once the repair has been made, be sure to replace the fuse within the correct amperage rating, as found in the vehicle’s Owner’s Manual.

PARTS AND ACCESSORIES	PART #	DESCRIPTION
	#8005-7	Dual-Sided Fuse Box Main Connector
	#8011	BuzzAlert™ Module
	#8006-AS	Glass Fuse Adapter
	#8007-AS	European Ceramic Adapter
	#8008-AS	Female PAL and MAXI Fuse Adapter
	#8009-AS	Female FLF and PAL Standard Adapter
	#8012-AS	MAXI Fuse Adapter
	#8013-AS	Ring Terminal Adapter

Available Separately: Additional 10 Ft. Extension Power Cord (#8005-EXT)

Fuse Saver[®] Instruction Manual for #8005 and #8016

#8005 Standard Kit
Shown



10, 15 and 20A Short Circuit Diagnostic Aid

Innovative Products of America[®] Incorporated
845-679-4500 • 234 Tinker Street, Woodstock, NY 12498 • www.ipatools.com

© 2018 Innovative Products of America[®] Incorporated. All rights reserved. This material may not be reproduced, displayed, modified or distributed without the express prior written permission of the copyright holder. For permission, contact info@ipatools.com.

#8016-8005_IPA_Manual_VA-05-07