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› GTMOTOR RA003 Active Fuel Management (AFM/DFM) Disabler Device Instruction Manual

**GTMOTOR RA003**

# **GTMOTOR RA003 Active Fuel Management (AFM/DFM) Disabler Device Instruction Manual**

Model: RA003

## **1. INTRODUCTION**

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The GTMOTOR RA003 Active Fuel Management (AFM/DFM) Disabler Device is designed to maintain your GM V6 or V8 vehicle in full cylinder mode at all times. This device prevents the engine from switching to a reduced cylinder mode (e.g., V4), ensuring consistent engine performance.

This manual provides essential information for the proper installation, operation, and maintenance of your RA003 device. Please read it thoroughly before use.



Image 1.1: Front view of the GTMOTOR RA003 AFM/DFM Disabler Device.

## 2. PRODUCT FEATURES

- **AFM/DFM Disablement:** Keeps the vehicle in V8 mode (or full cylinder mode for V6 engines) continuously.
- **Plug and Play Installation:** Requires no tools for installation.
- **Non-Invasive:** Does not reprogram the vehicle's Engine Control Unit (ECU) and does not affect other

## AFM Disable Device RA003

- ✓  Plug and Play
- ✓  Keep the factory ECU
- ✓  Keep in V8 mode



Image 2.1: Visual representation of the RA003 device's key features.


### 3. COMPATIBILITY

The GTMOTOR RA003 device is compatible with most GM V6 and V8 vehicles. Please refer to the detailed compatibility tables below to confirm your vehicle's suitability.

**Important Note:**

- The product is currently **not compatible with 2019+ 5.3L 10-Speed or 6.2L 10-SPEED models**
- Modified vehicles should exercise caution when considering this product.


#### 3.1. Compatibility Table 1 (Pontiac, Chevrolet)



Active Fuel Management Disabler				
Make	Model	Engine	Liters	Year
Compatible with <b>PONTIAC</b>	G6 GTP	V6	3.6	2007
	G6 GXP	V6	3.6	2008 to 2009
	G8	V6	3.6	2008 to 2009
	G8 GT	V8	6.0	2009 to 2010
	G8 GT	V8	6.2	2010 to 2010
	GRAND PRIX	V6	3.9	2007
		V8	5.3	2005 to 2008
	MONTANA	V6	3.9	2007 to 2008
	MONTANA SV6	V6	3.9	2006 to 2008
TORRENT GXP	V6	3.6	2008 to 2009	
Compatible with <b>CHEVROLET</b>	AVALANCHE	V8	5.3	2007 to 2013
		V8	6.0	2007 to 2009
		V8	6.2	2010 to 2013
	CAMARO	V6	3.6	2016 to 2018
		V8	6.0	2010 to 2010
		V8	6.2	2011 to 2019
	CAPRICE PPV	V8	6.0/6.2	2011 to 2019
	COLORADO	V6	3.6	2015 to 2019
	CORVETTE	V8	6.2	2012 to 2019
	EQUINOX SPORT	V6	3.6	2008 to 2009
	IMPALA	V6	3.9	2007 to 2009
		V8	5.3	2006 to 2009
	MALIBU	V6	3.6	2008 to 2012
		V6	3.9	2006 to 2007
	MALIBU MAXX	V6	3.9	2006
	MONTE CARLO	V8	5.3	2006 to 2008
	SILVERADO 1500	V6	4.3	2014 to 2018
		V8	5.3	2010 to 2018
		V8	6.0	2007 to 2009
		V8	6.2	2010 to 2018
	SS	V8	6.2	2014 to 2018
		V8	5.3	2007 to 2018
	SUBURBAN	V8	6.0	2007 to 2009
		V8	6.2	2010 to 2018
		V8	6.2	2010 to 2018
	TAHOE	V8	5.3	2007 to 2018
		V8	6.0	2007 to 2018
	V8	6.2	2010 to 2018	
TRAILBLAZER	V8	5.3	2005 to 2009	
TRVERSE	V6	3.6	2018	
UPLANDER	V6	3.9	2006 to 2008	

Image 3.1: Compatibility list for various Pontiac and Chevrolet models, including engine types and years.

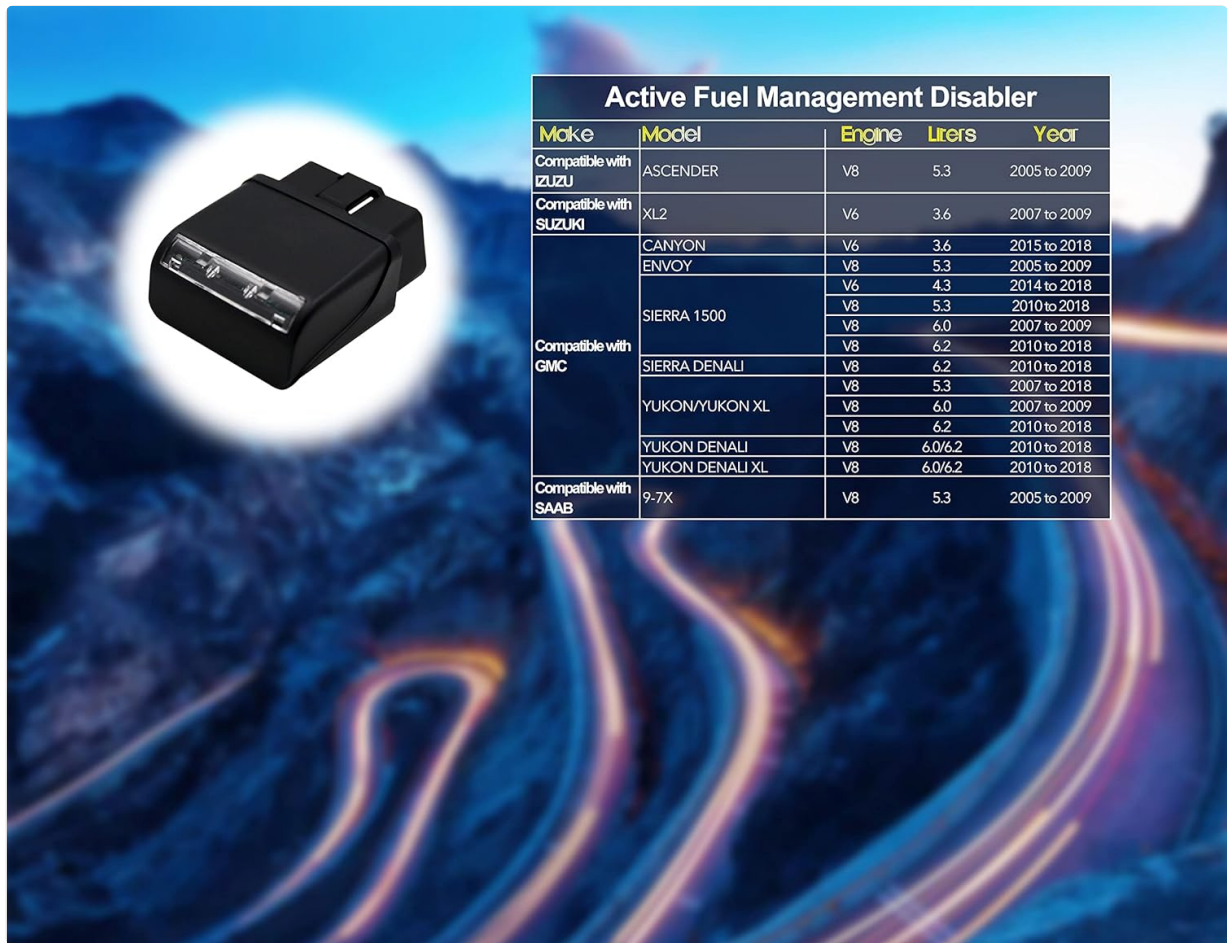
### 3.2. Compatibility Table 2 (Buick, Holden, Saturn, Cadillac)



Active Fuel Management Disabler				
Make	Model	Engine	Liters	Year
Compatible with <b>BUICK</b>	ENCLAVE	V6	3.6	2008, 2018
	LACROSSE	V6	3.6	2016 to 2018
		V8	5.3	2006 to 2009
	LACROSSE CXS	V6	3.6	2005 to 2008
	PARK AVENUE (China)	V6	3.6	2007 to 2009
	RAINIER	V8	5.3	2005 to 2009
	REGAL GS	V6	3.6	2018
	RENDEZVOUS	V6	3.9	2006 to 2007
	RENDEZVOUS CXL / Ultra	V6	3.6	2004 to 2007
	TERRAZA	V6	3.9	2006 to 2008
	Compatible with <b>HOLDEN</b>	RODEO/COLORADO	V6	3.6
VE COMMODORE OMEGA		V6	3.6	2006 to 2009
VZ CALAIS SV6		V6	3.6	2006 to 2018
VZ CALAIS SV6		V8	6.2	2006 to 2018
COMMODORE WAGON		V6	3.6	2006 to 2018
COMMODORE WAGON		V8	6.2	2006 to 2018
VZ COMMODORE SEDAN		V6	3.6	2006 to 2018
VZ COMMODORE SEDAN		V8	6.2	2015 to 2018
WL STATESMAN		V6	3.6	2006 to 2017
WM STATESMAN/CAPRICE		V6	3.6	2006 to 2017
WM STATESMAN/CAPRICE		V8	6.0	2006 to 2017
WM STATESMAN/CAPRICE		V8	6.0	2013 to 2017
CREWMAN/UTE		V6	3.6	2006 to 2018
CREWMAN/UTE		V8	6.0	2006 to 2018
Compatible with <b>SATURN</b>	9C1 (Police Special)	V8	6.0/6.2	2006 to 2018
	AURA XR	V6	3.6	2007 to 2009
	OUTLOOK XE	V6	3.6	2007 to 2008
	OUTLOOK XR	V6	3.6	2007 to 2008
	RELAY	V6	3.9	2006 to 2008
Compatible with <b>CADILLAC</b>	VUE XR / Red Line	V6	3.6	2008 to 2009
	ATS	V6	3.6	2012 to 2019
	CT6	V6	3.6	2016 to 2018
	CT6 (non Hybrid)	V6	3.0	2016 to 2018
	CTS	V6	3.6	2004 to 2018
	ESCALADE	V8	5.3/6.0/6.2	2010 to 2018
	ESCALADE ESV	V8	5.3/6.0/6.2	2010 to 2018
	ESCALADE EXT	V8	5.3/6.0/6.2	2010 to 2018
	SLS (China)	V6	3.6	2007 to 2009
	SRX	V6	3.6	2004 to 2009
STS	V6	3.6	2005 to 2007	
XTS	V6	3.6	2017 to 2019	
XTS	V6	3.6	2013 to 2018	

Image 3.2: Compatibility list for various Buick, Holden, Saturn, and Cadillac models, including engine types and years.

### 3.3. Compatibility Table 3 (Isuzu, Suzuki, GMC, Saab)



Active Fuel Management Disabler					
Make	Model	Engine	Liters	Year	
Compatible with ISUZU	ASCENDER	V8	5.3	2005 to 2009	
Compatible with SUZUKI	XL2	V6	3.6	2007 to 2009	
Compatible with GMC	CANYON	V6	3.6	2015 to 2018	
	ENVOY	V8	5.3	2005 to 2009	
		V6	4.3	2014 to 2018	
	SIERRA 1500	V8	5.3	2010 to 2018	
		V8	6.0	2007 to 2009	
	Compatible with SAAB	SIERRA DENALI	V8	6.2	2010 to 2018
			V8	5.3	2007 to 2018
		YUKON/YUKON XL	V8	6.0	2007 to 2009
			V8	6.2	2010 to 2018
		YUKON DENALI	V8	6.0/6.2	2010 to 2018
YUKON DENALI XL		V8	6.0/6.2	2010 to 2018	

Image 3.3: Compatibility list for various Isuzu, Suzuki, GMC, and Saab models, including engine types and years.

## 4. SETUP AND INSTALLATION

The RA003 device is designed for simple plug-and-play installation. Follow these steps carefully:

- 1. Locate the OBD-II Port:** The On-Board Diagnostics II (OBD-II) port is typically located under the dashboard on the driver's side of your vehicle.
- 2. Disconnect Battery (Recommended):** For optimal safety and to ensure proper initialization, it is recommended to disconnect the negative terminal of your vehicle's battery before plugging in the device. This step helps reset the vehicle's computer.
- 3. Plug in the Device:** With the vehicle's ignition off, firmly plug the GTMOTOR RA003 device into the OBD-II port. Ensure it is securely seated.
- 4. Reconnect Battery (If Disconnected):** If you disconnected the battery, reconnect the negative terminal.
- 5. Observe Indicator Lights:** The device will typically cycle through its indicator lights upon initial connection. Wait for the lights to settle, indicating it is active.

*Note: Some users have reported successful installation without disconnecting the battery, by simply plugging it in while the engine is off. However, disconnecting the battery is the manufacturer's recommended procedure for best results.*



Image 4.1: The RA003 device installed in a vehicle's OBD-II port, typically located under the dashboard.

## 5. OPERATION

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Once installed, the GTMOTOR RA003 device operates automatically. It continuously sends signals to your vehicle's ECU to prevent the activation of Active Fuel Management (AFM) or Dynamic Fuel Management (DFM) systems.

- Your vehicle will remain in its full cylinder mode (e.g., V8 for V8 engines, V6 for V6 engines) at all times.
- There are no buttons or settings to adjust on the device itself. Its operation is entirely automatic once plugged in.

# GTMOTOR AFM RA003

## Keep in V8

- **Make your V6 or V8 vehicle run in all cylinder mode, keep the V8 mode all the time.**
- **Get all the power, help you overcome various difficult Road conditions.**



Image 5.1: The RA003 device actively maintaining the engine in V8 mode, as indicated by a dashboard display.

## 6. MAINTENANCE

The GTMOTOR RA003 device requires minimal maintenance. Follow these guidelines to ensure its longevity and proper function:

- **Storage:** If you do not plan to use the device for an extended period, it is recommended to unplug it from the OBD-II port. Store it in a cool, dry place.
- **Cleaning:** Keep the device clean and free from dust or debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to excessive force. When unplugging, grip the main body of the device firmly to prevent separation of components.

## 7. TROUBLESHOOTING

If you encounter issues with your GTMOTOR RA003 device, consider the following:

- **Device Not Lighting Up:**

- Ensure the device is fully and securely plugged into the OBD-II port.
- Check your vehicle's battery connection.
- Try unplugging and re-plugging the device.

- **AFM/DFM Still Activating:**

- Verify that your vehicle model and year are listed as compatible in Section 3.
- Ensure the device is properly installed as per Section 4, including the recommended battery disconnection.
- Confirm your vehicle is not a 2019+ 5.3L 10-Speed or 6.2L 10-SPEED model, as these are incompatible.

- **Increased Water Temperature:**

- Keeping all cylinders running (V8 mode) may lead to a slight increase in engine water temperature during driving. This is a known characteristic of maintaining full cylinder operation. Monitor your vehicle's temperature gauge. If temperatures exceed normal operating ranges, consult a qualified mechanic.

- **Device Separates When Unplugging:**

- The device casing may separate if pulled incorrectly. Always grip the main body of the device firmly when removing it from the OBD-II port to prevent the cover from detaching from the internal circuit board. If it separates, carefully reassemble the components.

If troubleshooting steps do not resolve the issue, please contact GTMOTOR customer support.

## 8. SPECIFICATIONS

<b>Brand</b>	GTMOTOR
<b>Model Number</b>	RA003
<b>Item Weight</b>	1.76 ounces
<b>Product Dimensions</b>	4.72 x 3.94 x 3.94 inches
<b>Manufacturer</b>	GREATUS
<b>ASIN</b>	B07TTRC3MM

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact the seller directly through the platform where the product was acquired.

Keep your purchase receipt or order number handy when contacting support, as it may be required for verification.

