



The Leader in Heated Washer Systems

AT-37GM Replacement Unit

For Driving Safety and Convenience

**Installation Manual
for AT-37GM Unit**

Our Warmest Congratulations! You are now the Owner of a AlphaTherm Heated Washer Fluid Unit !

AlphaTherm Copyright Information

The AT-37GM incorporates proprietary technology that is protected by worldwide patents and is the exclusive property of AlphaTherm.

Warning:

- ▶ The unit must be primed with washer fluid prior to electrical connection
- ▶ Do not remove high current cables, nuts are torqued to factory specification
- ▶ When operating the unit, do not place hands, face or other body parts in or near the heated washer fluid spray.

Note: Depending on the unit's installation location and type of vehicle, it is normal to hear the fluid heating (similar to water in a teakettle).

Before Installation

Before installing the AT-37GM unit, please read this manual thoroughly and retain it for future reference.

Package Components

(Supplied)

- ▶ **Installation Manual (this booklet)**
- ▶ **AT-37GM unit w/attached harnesses**
- ▶ **Additional washer hose (if needed)**

Installation Tools Needed

(not supplied)

- ▶ **Flathead Screwdriver**
- ▶ **Flashlight (if needed)**
- ▶ **Spare 60A fuse (if needed)**

Note: If the GM recall to remove your factory unit was performed, you will need to add the 60Amp fuse in the electrical center under the hood.

AlphaTherm reserves the right to change the contents of the above list without notice.

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Disclaimer

Although AlphaTherm has taken all reasonable care to ensure that the information contained in this Installation Manual was accurate in all material respects at the time of publication, AlphaTherm PROVIDES NO ASSURANCE, REPRESENTATION, WARRANTY OR GUARANTEE, expressed or implied (including third party liability), with regard to this manual.

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Accordingly, by using the AT-37GM unit and this information to the extent permitted by law, you agree that AlphaTherm (including, without limitation, its subsidiaries, affiliates, agents, officers, directors, employees and insurers) is not and will not be liable for losses or damages resulting from this Installation Manual, its use, any information contained therein or the installation of the AT-37GM unit.

All product illustrations and specifications are based upon current information at the time of publication. Although descriptions are believed correct, complete accuracy cannot be guaranteed. AlphaTherm reserves the right to make changes of any kind at any time, without notice or obligation, to the information contained in this Installation Manual. All data and information are subject to change without notice and AlphaTherm assumes no obligation to update or correct the information in this manual.

Introduction

The AT-37GM unit is designed to enhance the driver's all-season safety and convenience by increasing over all performance of a vehicle washer system.

During winter months heated washer fluid helps to:

- Remove light frost and ice from the windshield
- Unblock partially frozen washer nozzles
- Minimize ice build-up on the wiper blades while driving
- Reduce wear and tear of the wiper blades

During warmer months heated washer fluid helps to:

- Eliminate summer glare by removing haze and streaks
- Dissolve and remove mud, dirt, insects and sap

NOTE: The efficiency of the AT-37GM unit will depend on factors such as the condition of the wiper blades, the type and condition of the nozzles, the quality of the washing fluid, and the severity of the existing weather conditions.

WARNING: The unit must be installed in a system with the proper rated washer fluid to prevent freezing or the unit might be damaged and the warranty will be void.

Removal Steps

1. Locate the GM heated washer fluid unit.
If the GM recall procedure was performed, locate the bracket.

Bracket configuration may vary per vehicle.



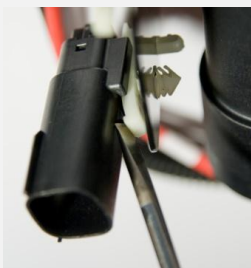
2. Disconnect washer hoses from inlet and outlet of the unit



3. Disconnect electrical connectors from the unit harnesses



4. Remove electrical connectors from the bracket by lifting white locking tab while pulling connector outward.



5. Remove the OEM unit from the bracket by lifting slightly on the metal locking tab.
Pull upper portion of the unit slightly outward and lift upward to remove the unit from the bracket.



Installation Steps

- Slide the two plastic mounting slots located on the bottom of the back wall of the AT-37GM unit into the inverted “T” shape located at the bottom of the metal bracket. Then push the upper portion of the unit into the locking tab until you hear a click and the unit locks into place.



- Remove the yellow protective caps from units ports. **(Note: Some fluid may flow from the unit when you remove the yellow caps. The unit was primed with a water to prevent any damages during the initial installation).**
Connect the hose coming from the nozzles to the unit's output (the upper port indicated by an arrow →). Next connect the hose coming from the washer bottle to the unit's input (the lower port indicated by an arrow ←).



If the factory unit was removed from the vehicle, use a piece of hose and a splicer (provided) to extend the hose length.

Warning: Prior to proceeding to the next step the unit must be primed. To do this, turn the ignition key to the on position and activate vehicle washer switch until washer fluid starts to spray out of nozzles. Connecting power to the unit without fluid can cause permanent damage to the unit and void the warranty. Once the unit is primed it should remain primed for unit life as long as the unit is not inverted.

- Slide the connector mounting slot into the white connector holder. Then connect the wire harnesses connector to the corresponding connector. Push the connector in until locked in place



The installation is complete.

Note: Although *AlphaTherm* has taken all reasonable care to ensure that the information contained in this Installation Manual is accurate and complete, installation may vary for each model and certain vehicles may require additional adjustments for proper installation. In the event you face any installation issues or concerns, please call us at 248-489 -2400 for further instructions and assistance.

Operation

Operation is the same as your GM factory installed unit, except for vehicles that have the flashing light on the switch. With this new unit, the light will flash once per second as before except when the unit shuts off, the light will flash rapidly for 10 seconds.

Troubleshooting

INDICATION	MEANING	ACTION
No spray during manual priming	The hoses that connect to the unit's inlet and outlet ports may not be connected properly	Check the connection of hoses. Refill the washer tank
Washer spray was OK before the unit installation but is now weak	The hoses, that connect to the unit's inlet and outlet ports may be banded or pinched or the hose input output are reversed	Check condition of the hoses
Unit doesn't turn on	60Amp fuse in electrical center is open or missing Small 5Amp fuse on low current harness is open or missing (added small fuse by GM dealer on small connector wiring). Connectors not properly seated	Check condition of the fuse. If fuse is blown, replace it. Push connectors until properly seated

Technical Assistance
(248) – 489 – 2400

Limited Warranty

AlphaTherm hereby warrants this product against any defects in the material or workmanship of the product for a period of 12 months from the date of purchase. Upon notification of a defect, *AlphaTherm* agrees, at its option, to either have *AlphaTherm* technicians or other authorized agents repair the defect, if any, or replace the defective unit or parts thereof. You will not be charged for the price of the new unit, parts or the cost of repair. This warranty does not cover the cost of installation or reinstallation of the defective unit.

This warranty does not cover defects, damage or defacement resulting from acts of God or other external causes, improper installation, vehicle accidents, misuse, abuse, negligence, uses of the device other than originally intended, or modification of or to any part of this product. This warranty does not cover defects, damage or defacement due to improper operation or connection to improper voltage supply or attempting repairs by anyone other than *AlphaTherm* technicians or authorized repair agents.

This warranty applies only to the original purchaser of the unit. To obtain warranty service, you must contact an *AlphaTherm* Customer Service Representative at the company's number: (248) 489-2400.

Upon reaching a customer service representative, you will be provided with instructions for returning your defective unit.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. *AlphaTherm* SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE ONE-YEAR, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR YEAR DURATION OF THIS WARRANTY.

Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages or allow limitations on how long an implied warranty lasts. Therefore, the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights which might vary from state to state or province to province.

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