

# Hose Clamp Pliers & Fuel Line Pliers Set

## User Manual

Read Carefully Before Use  
Keep for Future Reference



**OMT**  
Orion Motor Tech

UM-GSQ-0007-V1

# Disclaimer

Read this disclaimer completely and carefully before proceeding with the rest of the manual content.

## 1. Product Modifications

Any modifications or alterations to Orion Motor Tech (OMT) products void any warranties and may result in damage or injury. OMT shall not be liable for any damages resulting from such modifications or alterations.

## 2. Compliance with Laws

Customers shall be liable for ensuring that the use of OMT products complies with all applicable laws and regulations in their respective jurisdictions. OMT shall not be responsible for any violations of laws or regulations resulting from the use of OMT products.

## 3. Correct Use

Always use OMT products only as directed in the accompanying manuals. Failure to follow instructions may result in injury or damage.

Always ensure the assembly, installation, operation, maintenance, or repair of OMT products is carried out by a competent person.

Regular maintenance should be performed throughout the lifecycle of OMT products. You are responsible for ensuring the products operate as intended.

Always wear appropriate protective gear.

## 4. Third-Party Products

OMT shall not be liable for any damages or losses resulting from the use of third-party products in conjunction with OMT products. Customers shall refer to the third-party's guidelines and/or warranties (if any) for any third-party products used.

## 5. Limitation of Liability

OMT shall not be liable for any direct, indirect, punitive, incidental, special, or consequential damages to property or life, whatsoever arising out of or connected with the use or misuse of OMT products. In no event shall OMT's liability exceed the value of the products sold.

## 6. Warranty

Refer to the sales page for warranty information.

This disclaimer states the entire obligation of OMT with respect to OMT products. If any part of this disclaimer is determined to be void, invalid, unenforceable, or illegal, including but not limited to the warranty disclaimers, liability disclaimers, and liability limitations set forth above, the invalid or unenforceable provision will be deemed superseded by a valid and enforceable provision that most closely matches the intent of the original provision and the remainder of the agreement shall remain in full force and effect.

# Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us and we'll address your issues ASAP!



[support@orionmotortech.com](mailto:support@orionmotortech.com)



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# Safety Information

## Danger

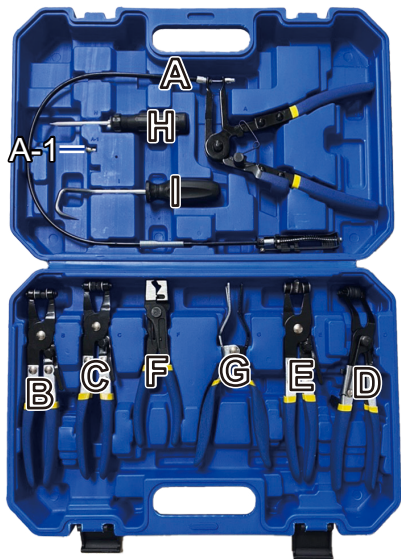
- The instructions provided here are for general information only. **ALWAYS** perform all repairs in full compliance with your vehicle's service manual. After completing any repair, test your vehicle in your workshop at a low speed before resuming regular use. Failure to do so may result in serious property damage and severe personal injury.
- Use the fuel line disconnect tool set **ONLY** to remove the vehicle's oil cooler and fuel lines. Use the pliers set **ONLY** to disconnect hard-to-reach hoses and clamps in the vehicle.
- **DO NOT** allow use by children, individuals whose mental or physical conditions prevent safe operation, or persons unfamiliar with this product and its compatible A/C, fuel, and transmission systems.
- **ALWAYS** use personal protective equipment (PPE) suitable for your task. While using this product, always wear ANSI-approved eye and hand protection. Nonslip footwear is also highly recommended. Other equipment, such as ear, head, and body protection, may also be necessary depending on your work.
- **ALWAYS** know and understand your vehicle's specific safety warnings and instructions before using this kit. Use the correct fluids, pressures, adapters, etc. for your vehicle. Ensure the parking brake is activated before beginning any work. Use a jack and jack stands that can fully support the necessary weight. Never touch any heated surface with exposed skin.
- **ALWAYS** ensure that your vehicle has been jacked up and is adequately supported with axle stands.
- **DO NOT** overreach. Keep proper footing and balance at all times.
- **DO NOT** use excessive pressure on this product or force it or its attachments.
- Maintain this product. Check for misalignment, binding, wear, or other damage before use. If any damage is detected, repair or replace the problematic components before further use. In a large shop, mark such tools **"DO NOT USE"** until they have been repaired. Only replace components with identical parts.

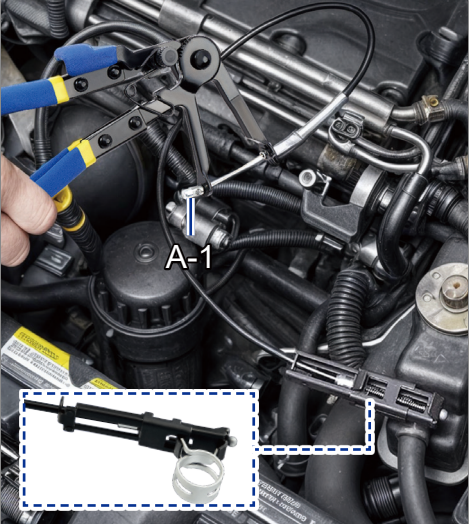
## Warning




- **DO NOT** use this product if you are tired or under the influence of drugs, alcohol, or strong medication.
- Keep your work site clean and well lit. Cluttered and dark work areas invite accidents.
- For best results, keep the kit clean and dry. Remove any fluid, oil, or grease before and after work, particularly from the handle and fittings.
- Dress appropriately for automotive servicing. Do not wear loose clothing or jewelry. Keep hair, clothing, gloves, hoses, and tools from moving parts during use.
- In case of an accident or injury, have a first aid kit and a communication device (e.g., a phone) readily available. Know the location of emergency medical facilities.
- Automotive repair is an inherently dangerous activity. This manual and the separate vehicle service manual cannot cover all possible situations that may arise. **ALWAYS** exercise discretion and good judgment. Seek training if needed.



# Parts List




## Hose Clamp Pliers Set



A	A-1
Flexible Hose Clamp Pliers	Flexible Hose Clamp Pliers Connector Replacement
	
<ul style="list-style-type: none"><li>• For spring hose clamps</li><li>• For hard-to-reach clamps</li><li>• Includes ratchet function, locking mechanism, and loosening lever</li></ul>	



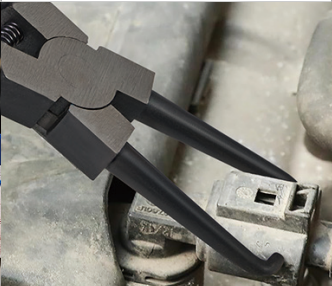
B	C	D
Swivel Jaw Hose Clamp Pliers	Cross-Slotted Jaw Pliers	Angled Flat Band Hose Clamp Pliers
		
<ul style="list-style-type: none"><li>• For spring hose clamps</li><li>• Includes ratchet function and locking mechanism</li></ul>	<ul style="list-style-type: none"><li>• For spring hose clamps</li><li>• Includes ratchet function and locking mechanism</li></ul>	<ul style="list-style-type: none"><li>• With variable jaws</li><li>• For spring hose clamps</li><li>• For hard-to-reach clamps</li><li>• Includes locking mechanism</li></ul>



E	F
Flat Band Hose Clamp Pliers	Clic-R Collar Pliers
	
<ul style="list-style-type: none"> <li>• Universal crown profile</li> <li>• For spring hose clamps</li> <li>• For hard-to-reach clamps</li> <li>• Includes locking mechanism</li> </ul>	<ul style="list-style-type: none"> <li>• For the correct assembly and disassembly of Click, Clic-R, Cobra clamps, and self-tensioning hose clamps with flat 3-pinch ends</li> <li>• For ear clamps</li> <li>• Re-usable V2A-clamps</li> <li>• With self-opening mechanism</li> </ul>

G	H	I
Hose Removal Pliers	Dual-Headed Screwdriver	Hose Removal Hook
		
<ul style="list-style-type: none"> <li>• For correct opening of fuel pipe coupling</li> <li>• Quick and easy separation of the fuel pipes and fuel hoses</li> <li>• Self-closing</li> </ul>	<ul style="list-style-type: none"> <li>• For removing screws</li> </ul>	<ul style="list-style-type: none"> <li>• For removing hoses, moldings, clips, clamps, seals, O-rings, cotter pins, and gaskets</li> <li>• Tip fits between hose and fitting to break stubborn hoses loose</li> </ul>

# Fuel Line Pliers Set



a	b	c
Hose Clamp Pliers	Fuel & AC Line Disconnect Pliers	Fuel Filter Calipers
		
<ul style="list-style-type: none"><li>• Designed for removing the spring hose clamps</li><li>• Ideal for radiator and heater hoses</li></ul>	<ul style="list-style-type: none"><li>• Quickly disconnects the fuel and A/C lines</li><li>• Fits the jaws between the line and the connector</li></ul>	<ul style="list-style-type: none"><li>• Separates fuel lines from filter connections</li><li>• Designed for confined engine spaces</li></ul>

d	e
Hose Removal Pliers	80° Disconnect Pliers
	
<ul style="list-style-type: none"> <li>• Ideal for tight or recessed areas</li> <li>• Inserts jaws between the hose and fitting</li> </ul>	<ul style="list-style-type: none"> <li>• For tight areas</li> <li>• Releases quick-connect fittings</li> <li>• Works on fuel, transmission, and A/C lines</li> </ul>

# Specifications

Material		AISI 1045 Steel	
Flexible Hose Clamp Pliers	Length	7.87 in.	200 mm
	Opening	2.36 in.	60 mm
	Line Length	27.76 in.	705 mm
	Fitment	Spring Hose Clamps	
Cross Slotted Jaw Pliers	Length	8.39 in.	213 mm
	Opening	1.97 in.	50 mm
	Fitment	Spring Hose Clamps	
Swivel Jaw Hose Clamp Pliers	Length	8.39 in.	213 mm
	Opening	2.36 in.	60 mm
	Fitment	Spring Hose Clamps	
Angled Hose Clamp Pliers	Length	8.43 in.	214 mm
	Opening	2.96 in.	75 mm
	Angle	45°	
	Fitment	Spring Hose Clamps	
Ribbon Hose Clamp Pliers	Length	8.43 in.	214 mm
	Opening	2.56 in.	65 mm
	Fitment	Spring Hose Clamps	
Ear Clamp Pliers	Length	7.01 in.	178 mm
	Opening	1.97 in.	50 mm
	Fitment	Ear Clamps	
Hose Removal Pliers	Length	7.87 in.	200 mm
	Opening	1.97 in.	50 mm
Hose Removal Hook	Length	7.48 in.	190 mm
	Fitment	Ear Clamps	
Hose Clamp Pliers	Length	8.58 in.	217.8 mm
	Fitment	Spring Hose Clamps	
Fuel & AC Line Disconnect Pliers	Length	8.15 in.	207 mm
	Fitment	Fuel Line Quick-Connect Fittings	
Fuel Filter Calipers	Length	7.39 in.	187.6 mm
	Fitment	Fuel Lines Filter	
Hose Removal Pliers	Length	7.80 in.	198 mm
	Fitment	Fuel/Transmission/AC Lines	
80° Disconnect Pliers	Length	6.85 in.	174 mm
	Fitment	Ear Clamps/Pins	

# Operation

## Warning

- Turn off the vehicle's engine before servicing, making sure that the vehicle is stationary and that the engine has cooled to room temperature before performing maintenance or adjustments.
- Use the correct tools and personal protective equipment (PPE) before operating. Be extremely careful with possible pinch points, moving parts, or parts that may suddenly spring out.
- Ensure your surroundings are safe when using the tool. Avoid operating in crowded or unstable areas.
- Ensure the work area is clean and clear of any clutter or dirt affecting operations.
- **DO NOT** force the tool. Excessive force may cause serious personal injuries and severe property damage.
- For your safety, we recommend completing training before using these tools. A lack of training could result in serious injury.

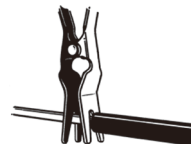
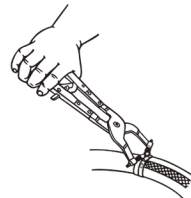
## Hose Clamp Pliers Set

1. Choose a pair of hose clamp pliers suitable for the size and position of your hose clamp.
2. Place the ends of the hose clamp securely into the pliers' jaws, making sure that they are tightly attached.
3. Apply appropriate force to the pliers' handle to loosen the hose clamp. Keep pressing the locking mechanism until the clamp is loose enough to be disengaged from the hose.

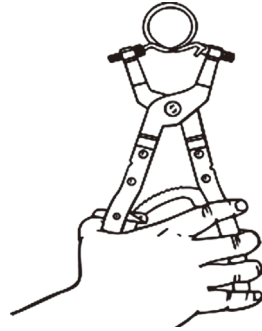
## Warning

**ALWAYS** exercise caution when working with hoses and clamps. Make sure that the clamp is fully disengaged before attempting to remove it, and avoid using excessive force that could damage the hose or connection point.

4. Use the hose removal pliers (G/d) to remove the hose once the clamp is fully disengaged.



5. After cleaning the hose, position it back in place and reinstall the hose clamp in its original position. Press the locking mechanism again to securely fix the hose clamp in place.



## **Fuel Line Pliers Set**

1. Select the appropriate fuel & AC line disconnect pliers (b) for quick-connect fittings.
2. Insert the jaws into the fitting, press the handles to release the lock, and remove the line.
3. Use the fuel filter caliper (c) in confined engine spaces to separate the fuel line from the filter connector.
4. Grip the hose with removal pliers (d), then twist or pull to detach it completely.
5. Use angled disconnect pliers (e), squeeze to disengage, and separate the line from the fitting for recessed or awkward connectors.

# Maintenance

- Clean the tools with a soft, damp cloth using a mild detergent or solution afterward. Do not rinse them or use abrasive cleaners or caustic chemicals.
- For best results, lubricate the tools with high-quality anticorrosive oil between uses.
- Check the parts of the tool periodically for any wear or damage. Repair or replace any problematic parts before further use.
- If the tools will not be used for an extended period, clean and lubricate them, store them in the case, and keep them in a cool, dry place out of children's reach.



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