

Master Quick Disconnect Tool Set

User Manual Read Carefully Before Use
Keep for Future Reference



OMT
Orion Motor Tech

UM-MDK-0004-V3

We care about your experience!

We truly hope our product brings you joy and convenience.

If you have any questions or need assistance, please don't hesitate to reach out.

We're always happy to help!

Simply fill out the form below, take a photo of it (along with any relevant photos or videos if needed), and email it to us. Our service team will respond within 24 hours.

Platform

Amazon eBay Walmart Wayfair Other: _____ (please specify)

Order Information

Order No.: _____

Product: _____

Purchase Date: _____

Your Name: _____

Subject of Inquiry

Your satisfaction means everything to us :)



support@orionmotortech.com



<https://orionmotortech.com/>

@OrionMotorTech



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.
- **DO NOT** allow use by children, individuals with mental or physical conditions that may impair safe operation, or persons unfamiliar with this product and its compatible air conditioning, 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. Non-slip footwear is also highly recommended. Other equipment, such as ear, head, and body protection, may also be necessary depending on your work.
- **ALWAYS** read and understand your vehicle's specific safety warnings and instructions before using this kit. Use the correct fluids, pressures, adapters, and other necessary components for your vehicle. Ensure the parking brake is engaged 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.
- **DO NOT** overreach. Keep proper footing and balance at all times.
- Maintain this product. Check for misalignment, binding, wear, or other damage before use. If any damage is detected, repair or replace the faulty 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.
- 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.
- **DO NOT** use excessive pressure on this product and do not force it or its attachments.
- **ENSURE** the vehicle is secure when supported by a jack or lift.
- Dress appropriately for automotive servicing. Do not wear loose clothing or jewelry. Keep hair, clothing, gloves, hoses, and tools away from moving parts during use.
- In case of an accident or injury, keep a first aid kit and a communication device (e.g., a phone) readily available. Be familiar with the location of nearby 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 judgement. Seek training if needed.

Specifications

Dimensions	9.3 × 7.8 × 2.9 in	23.5 × 19.9 × 7.3 cm
Weight	2.45 lb	1.11 kg

Parts List



No.	Item	Qty.
A	Scissor-Style Disconnect Tool	1
B	Clip Disconnect Tools	6
C	Rubber Bands	6
D	Plastic Clip Disconnect Tools	7
E	Oil Cooler Line Tool for GM Trucks	1
F	AT Oil Cooler Line Tool	1
G	Rubber Inserts	2
H	Fuel Line Tool for 4 L V6 Fords	1
I	Spring Lock Disconnect Tools	4
J	Fuel and AC Disconnect Pliers	1

*Dimensions are marked on the parts.

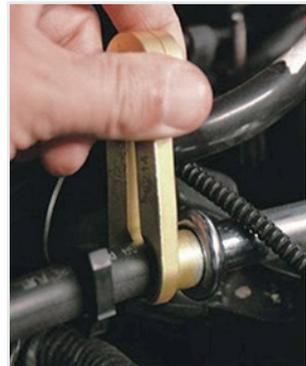
Operation

Warning

- **Before servicing, shut off the engine, engage the parking brake (or hand brake), and chock the remaining wheels.** Ensure the vehicle is stationary and the engine has cooled to room temperature before performing maintenance or adjustments.
- **ALWAYS** use the correct tools and personal protective equipment (PPE) before performing any operation. Be extremely careful with possible pinching points, moving parts, or parts that may suddenly spring out.
- **ALWAYS** ensure the vehicle is secure when it is supported by a jack or lift.
- For your safety, we recommend completing training before using these tools. Serious injury could happen due to a lack of training.

Using the Clip Disconnect Tool (B)

1. Identify the oil cooler line that needs to be removed.
2. Select the appropriate size of the clip disconnect tool.
3. Slide the tool over the oil cooler line, ensuring a secure fit.
4. Apply steady pressure while pulling the tool away from the connection point to disconnect the oil cooler line.
5. Repeat the process for any additional oil cooler lines that need to be removed.



Using the AT Oil Cooler Line Tool (F)

1. Insert the cooler line tool into the connector until it engages with the retaining clip.
2. Apply steady pressure while pulling the tool and the oil cooler line away from each other to separate them.
3. Repeat the process for any other oil cooler lines with the same connector type.



Using the Rubber Insert (G)

1. Use the provided rubber inserts when connecting fuel lines to ensure a tight seal, absorb vibrations, provide flexibility, and protect against contaminants. Ensure that they are clean and free from any debris or contaminants that could affect their performance.
2. Align the rubber insert with the component where it needs to be inserted. Make sure it is positioned correctly and evenly distributed around the circumference of the component.
3. Apply gentle pressure and gradually push or slide the rubber insert into place. The rubber's flexibility should allow it to conform to the shape of the component, creating a secure and tight fit.

If necessary, use a lubricant (not included) compatible with the rubber insert material to aid in insertion. This can make the process smoother and easier.

4. Once the rubber insert is in place, check to ensure that it is securely seated and provides the desired level of grip or stability. The insert should create a snug fit without being excessively tight or loose.
5. Repeat the process for any additional components requiring rubber inserts.



Using the Scissor-Style Disconnect Tool (A)

1. Open the tool and align it with the connector point.
2. Slide the tool into the gap between the fuel line and the connector.
3. Squeeze the handles of the tool together to compress the internal clips, maintain pressure, and pull the fuel line away from the connector to disconnect it.
4. Repeat the process for any other fuel lines that need to be disconnected.



Using the Spring Lock Disconnect Tool (I)

1. Choose the appropriate size of the disconnect tool.
2. Place the tool securely around the A/C or fuel line and insert the tool into the fitting until it engages with the internal clips.
3. Apply firm pressure and push the tool towards the fitting while pulling the line away to disconnect it.
4. Repeat the process for any additional lines that need to be disconnected.



Using the Fuel Line Tool for 4 L V6 Fords (H)

1. Insert the fuel line tool into the connector until it engages with the retaining clip.
2. Apply steady pressure while pulling the tool and the line away from each other to disconnect them.
3. Repeat the process for any additional Ford lines that need to be disconnected.



Using the Oil Cooler Line Tool for GM Trucks (E)

1. Securely position the tool around the fuel line, ensuring it wraps around the hairpin connector.
2. Insert the tool into the fitting until it engages with the internal clips.
3. Apply firm pressure and push the tool towards the fitting while simultaneously pulling the hairpin connector away from the fuel line. This action will disengage the hairpin connector and disconnect the fuel line.
4. Repeat the process for any additional fuel lines that are equipped with hairpin connectors.



Using the Plastic Clip Disconnect Tool (D)

1. Select the appropriate clip disconnect tool based on the connector type.
2. Place the tool around the fuel line and insert it into the connector until it engages with the retaining clip or collar.
3. Apply steady pressure while pulling the tool and the fuel line away from each other to disconnect them.
4. Repeat the process for any other fuel lines with the same type of connector.



Using the Fuel and AC Disconnect Pliers (J)

1. Select a suitable plastic clip disconnect tool for the line.
2. Place the disconnect tool securely around the A/C or fuel line and insert it into the fitting until it engages with the internal clips.
3. Place the fork jaws of the pliers around the line, resting them against both the fitting and the disconnect tool.
4. Squeeze the pliers' handles firmly to push the tool into the fitting while pulling the line away to disconnect it.
5. Repeat the process for additional lines that need to be disconnected.



Maintenance

- Clean the tools after each use with a soft, damp cloth and a mild detergent. Do not rinse them directly with water or use abrasive cleaners or caustic chemicals.
- Check all parts periodically for any wear or damage. Repair or replace any faulty parts before further use.
- If the tools are not going to be used for a long time, clean and lubricate them before storage. Keep them in a cool, dry place out of reach of children.

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.



User Manual