

Master Quick Disconnect Tool Set User Manual



Read Carefully Before Use
Keep for Future Reference

Safety Information

Danger

- The instructions provided herein are only for general information. **ALWAYS** perform all repairs in full compliance with your vehicle's service manual. After any repair, test your vehicle in your workshop and at low speed before returning to normal use. Failure to do so may result in serious property damage and severe personal injury.
- **ONLY** use this product for its intended purpose, removing vehicular oil cooler lines and fuel lines.
- **DO NOT** allow use by children, by persons whose mental or physical condition precludes safe use, or by persons unfamiliar with this product and its compatible A/C, fuel, and transmission systems.
- **DO NOT** use while under the influence of alcohol, drugs, or any medication that negatively affects your judgment or reflexes. Keep children and bystanders away during use.
- 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.
- **ALWAYS** use personal protective equipment (PPE) suitable to your task. Always wear ANSI-approved eye and hand protection while using this product. Nonslip footwear is also highly recommended. Other equipment such as ear, head, and body protection may also be necessary depending on your work and other equipment.
- Dress properly for automotive servicing. Do not wear loose clothing or jewelry and keep hair, clothing, gloves, hoses, and tools away from any moving parts during use.
- **ALWAYS** know and understand the specific safety warnings and instructions for your vehicle before using this kit. Use the correct fluids, pressures, adapters, etc. for your vehicle. Make sure the parking brake is activated before beginning any work. Use with jack and jack stands able to 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.

Safety Information

- **DO NOT** overreach. Keep proper footing and balance at all times.
- 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.
- **DO NOT** use excessive pressure with this product and do not force it or its attachments.
- Maintain these tools. 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.
- 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

Material	Steel, Anodized Aluminum, PVC	
Case Dimensions	11.7×8.5×2.5 (in.)	29.7×21.5×6.3 (cm)
Net Weight	2.3 lb.	1 kg

Parts List



No.	Name	Fitment	Qty.
A	Oil Cooler Line Removers	5/16", 3/8", 1/2", 5/8", 3/4", 7/8"	6
B	Scissor-Type Fuel Line Remover	3/8" & 5/16"	1
C	Quick Disconnect A/C and Fuel Line Removers	3/8", 5/8", 1/2", 3/4"	4
D	Oil Cooler Line Remover for Ford	—	1
E	Fuel Line Remover for Ford	4L V6 Ford Rangers & Explorers	1
F	Other Fuel Line Removers	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", & 7/8"	7
G	Rubber Inserts	—	2
H	Adhesive Tape	—	2
I	Fuel Line and Oil Cooler Line Removers for Lines with Hairpin Connectors	1987 & Later Model Olds Tornado; Buick Riviere & Reatta; Cadillac Eldorado, Seville, & Concours; 1989 and Later Model GM 1/2, 3/4, & 1 Ton Pickups	1

Operation

Warning

- *Shut the engine before servicing, make sure the vehicle is in a stationary state for easy maintenance, and that the engine has cooled to room temperature before performing maintenance or adjustments.*
- *Use 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.*
- *Make sure your surroundings are safe for using the tool. Avoid operating in crowded or unstable areas.*
- *Make sure the work area is clean and clear of any clutter or dirt that may affect operations.*
- **DO NOT** *force the tool. Excessive force may cause serious personal injuries and severe property damage.*
- *For an abundance of safety, we recommend you take training before using these tools. Serious injury could happen due to a lack of training.*

Oil Cooler Line Remover

1. Identify the oil cooler line that needs to be removed.
2. Select the appropriate size of the oil cooler line remover 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.

Oil Cooler Line Remover for Ford

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

Operation

Rubber Inserts

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.
4. 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.
5. 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.
6. Repeat the process for any additional components requiring rubber inserts.

Scissor-Type Fuel Line Remover

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.

Quick Disconnect A/C and Fuel Line Removers

1. Choose the appropriate size of the quick 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.

Operation

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.

Fuel Line Remover for Ford Rangers & Explorers

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

Fuel Line and Oil Cooler Line Removers for Lines with Hairpin Connectors

1. Securely position the tool around the fuel line, ensuring it wraps around the hairpin connector. Insert the tool into the fitting until it engages with the internal clips.
2. 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.
3. Repeat the process for any additional fuel lines that are equipped with hairpin connectors.

Other Fuel Line Removers

1. Select the appropriate fuel line 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.

Maintenance

- Clean the tools with a soft damp cloth using a mild detergent or solution after use. 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 of time, clean and lubricate them and store them in a cool dry place inaccessible to children.

Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us at support@orionmotortech.com and we'll resolve your issue ASAP!

For a .pdf copy of the latest version of these instructions, use the appropriate app on your smartphone to scan the QR code to the right.

