

SCITOO 843476-5336-2027525435

SCITOO 8-Piece Suspension Kit Installation and Maintenance Manual

For Ford Fiesta (2011-2018)

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1. INTRODUCTION

This manual provides essential information for the installation, maintenance, and troubleshooting of your SCITOO 8-Piece Suspension Kit. This kit is designed as a direct replacement for specific components in Ford Fiesta models manufactured between 2011 and 2018. Proper installation and regular maintenance are crucial for ensuring vehicle safety, performance, and longevity of the parts. It is highly recommended that installation be performed by a qualified automotive technician using appropriate tools and safety procedures.

2. PRODUCT COMPONENTS

The SCITOO 8-Piece Suspension Kit includes the following components, designed to replace the front suspension parts of your Ford Fiesta:

- 1 x Front Lower Control Arm and Ball Joint (Part Number: K522761)
- 1 x Front Lower Control Arm and Ball Joint (Part Number: K522762)
- 1 x Front Outer Tie Rod End (Part Number: ES800985)
- 1 x Front Outer Tie Rod End (Part Number: ES801173)
- 2 x Front Inner Tie Rod End (Part Number: EV800903)
- 2 x Front Sway Bar End Link (Part Number: K750612)

Figure 2.1: Overview of various suspension components. This kit includes the control arms, ball joints, tie rod ends, and sway bar end links.

3. VEHICLE COMPATIBILITY

This SCITOO 8-Piece Suspension Kit is specifically designed for the following vehicle models:

- **Make:** Ford
- **Model:** Fiesta
- **Years:** 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018

Please verify your vehicle's make, model, and year before installation to ensure proper fitment.

4. KEY FEATURES

The SCITOO Suspension Kit is engineered to provide reliable performance and durability, offering the following key features:

- **Direct Replacement:** Designed to directly replace original equipment (OE) parts, ensuring a precise fit and function.
- **OE Specifications:** Manufactured to meet or exceed OE specifications for quality, performance, and durability.
- **High Strength Materials:** Constructed from robust alloy steel and electrophoretic coated for enhanced strength and corrosion resistance.
- **Rigorous Testing:** All components undergo stringent testing to ensure reliability and long-term performance.
- **Improved Driving Experience:** Contributes to maintaining vehicle chassis integrity, improving stability, and promoting a smoother ride.
- **Premium Ball Joints:** Provide precise pivoting motion between the steering knuckle and control arm.
- **Easy Installation:** Precision tolerances ensure straightforward installation for all parts.

Figure 4.1: Key features of the suspension kit, emphasizing direct replacement and OE quality.

Figure 4.2: Additional quality aspects of SCITOO suspension parts, focusing on component design and ease of use.

5. INSTALLATION GUIDELINES

Installing suspension components requires specialized knowledge, tools, and safety precautions. Incorrect installation can lead to serious vehicle damage or personal injury. **Professional installation by a certified mechanic is strongly recommended.**

General Steps (Consult a Service Manual for Detailed Instructions):

1. **Safety First:** Park the vehicle on a level surface, engage the parking brake, and use wheel chocks. Lift the vehicle safely using a hydraulic jack and support it with jack stands.
2. **Remove Wheels:** Remove the front wheels to access the suspension components.
3. **Disassembly:** Carefully remove the old suspension components (control arms, ball joints, tie rod ends, sway bar end links) following the vehicle manufacturer's service manual. Note the orientation and position of all parts.
4. **Inspect Related Components:** While disassembled, inspect other suspension and steering components for wear or damage and replace as necessary.
5. **Install New Components:** Install the new SCITOO components in reverse order of removal. Ensure all bolts are tightened to the manufacturer's specified torque settings. Use new cotter pins and nuts where required.
6. **Reassembly:** Reattach the wheels and lower the vehicle safely.
7. **Alignment:** After replacing suspension components, a professional wheel alignment is mandatory to ensure proper steering, tire wear, and vehicle handling.

Always refer to your vehicle's specific service manual for detailed, step-by-step instructions and torque specifications.

6. MAINTENANCE

Regular inspection and maintenance of your suspension system are vital for safety and performance. Follow these general guidelines:

- **Routine Inspections:** Have your suspension system inspected by a qualified technician during routine vehicle maintenance (e.g., oil changes, tire rotations).
- **Check for Wear:** Look for signs of wear, such as cracked or torn rubber boots on ball joints and tie rod ends, excessive play in joints, or bent/damaged components.
- **Listen for Noises:** Pay attention to unusual noises (clunking, squeaking, rattling) coming from the suspension, especially over bumps or during turns.

- **Wheel Alignment:** Ensure wheel alignment is checked periodically, especially after hitting potholes or if you notice uneven tire wear.
- **Cleanliness:** Keep suspension components free from excessive dirt, salt, and debris, which can accelerate wear.

7. TROUBLESHOOTING: SIGNS YOUR SUSPENSION NEEDS ATTENTION

If you experience any of the following symptoms, it may indicate that your suspension components, including those replaced by this kit, require inspection or replacement:

- **Unstable Steering Control:** Difficulty keeping the vehicle straight, excessive play in the steering wheel, or wandering.
- **Strange Abnormal Noises:** Clunking, rattling, or squeaking sounds when driving over bumps, turning, or braking.
- **Uneven Tire Wear:** Tires showing unusual wear patterns (e.g., feathering, cupping) can indicate alignment issues or worn suspension parts.
- **Poor Braking Performance:** Vehicle nose-dives excessively during braking, or braking feels unstable.
- **Excessive Bouncing:** The vehicle continues to bounce after going over bumps, rather than quickly settling.



Figure 7.1: Visual indicators that a suspension kit may need replacement.

If you observe any of these signs, have your vehicle inspected by a professional immediately.

8. SPECIFICATIONS

Attribute	Detail
Brand	SCITOO
Model Number	843476-5336-2027525435
Fit Type	Vehicle Specific Fit (Ford Fiesta 2011-2018)
Material	Alloy Steel
Item Weight	Approximately 17.75 pounds
Product Dimensions	21.32 x 15.71 x 12.99 inches (Packaging)
Exterior Finish	Painted

9. WARRANTY AND SUPPORT

SCITOO provides a **1-year replacement warranty** for this suspension kit. This warranty covers manufacturing defects and ensures that you receive a replacement for any defective parts within one year from the date of purchase.

For warranty claims, technical support, or any questions regarding your SCITOO suspension kit, please contact SCITOO customer service through the retailer where the product was purchased or visit the official SCITOO website for contact information.

Please retain your proof of purchase for warranty validation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question