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› Sunex 7796 1000-Pound Air and Hydraulic Telescopic Transmission Jack and Sunex 7706 Fuel Tank Adapter User Manual

Sunex Tools 7796, 7706

Sunex 7796 1000-Pound Air and Hydraulic Telescopic Transmission Jack and Sunex 7706 Fuel Tank Adapter User Manual

Models: 7796, 7706

1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Sunex 7796 1000-Pound Air and Hydraulic Telescopic Transmission Jack and Sunex 7706 Fuel Tank Adapter. Please read this manual thoroughly before assembly, operation, or maintenance to ensure proper use and prevent injury or damage.



Figure 1.1: The Sunex 7796 Transmission Jack (left) and Sunex 7706 Fuel Tank Adapter (right) as a combined unit.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to follow these instructions may result in serious injury or property damage.

- Always read and understand the entire manual before operating this equipment.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and steel-toed boots.
- Ensure the work area is well-lit, clean, and free of obstructions.
- Do not exceed the rated load capacity of 1000 pounds for the transmission jack.
- Ensure the load is centered and stable on the saddle before lifting or lowering.
- Never work under a load supported only by the jack. Always use appropriate jack stands or other support devices.
- Keep hands and feet clear of moving parts and pinch points.
- Do not modify the equipment. Use only genuine Sunex replacement parts.
- Disconnect air supply before performing maintenance or when not in use.
- For the fuel tank adapter, ensure the ground wire assembly is properly connected to prevent static electric discharge, especially with older metal tanks.
- Secure the fuel tank firmly to the adapter using the provided tie-down straps.

3. COMPONENTS AND PARTS IDENTIFICATION

3.1 Sunex 7796 Transmission Jack



Figure 3.1: The Sunex 7796 Transmission Jack, showing its main components.

- **Universal Saddle:** Features four ratcheting arms for quick adjustment to various transmission pan configurations.
- **Hydraulic Cylinder:** Provides lifting and lowering power.
- **Air Inlet:** For connecting to an air compressor for pneumatic operation.
- **Release Valve:** Controls the lowering speed of the jack.
- **Foot Pedal/Pump Handle:** Used for manual hydraulic lifting.
- **Caster Wheels:** Two of the four wheels have a locking feature to prevent movement.
- **Base:** Provides stability for the jack.

3.2 Sunex 7706 Fuel Tank Adapter



Figure 3.2: Components of the Sunex 7706 Fuel Tank Adapter, including support pads and straps.

- **Adapter Frame:** The main structure that attaches to the transmission jack.
- **Foam Support Pads:** Adjustable for height, width, and length to fit various fuel tank configurations (up to 40 gallons).
- **Ground Wire Assembly:** Prevents static electric discharge, particularly important for older metal tanks.
- **Tie-Down Straps:** Two 8-foot straps included to secure the tank to the adapter.

4. SETUP AND ASSEMBLY

4.1 Transmission Jack Assembly (Model 7796)

1. Unpack all components and verify against the parts list.
2. Attach the caster wheels to the base of the jack. Ensure all bolts are securely tightened.
3. Insert the hydraulic cylinder and column into the base.
4. Attach the universal saddle to the top of the hydraulic cylinder.
5. Connect the pump handle/foot pedal assembly.
6. Bleed the hydraulic system according to the instructions in the Maintenance section to remove any air.

4.2 Fuel Tank Adapter Assembly (Model 7706)

1. Attach the adapter frame to the universal saddle of the transmission jack. The adapter comes with a universal adapter plate for compatibility.
2. Install the foam support pads onto the adapter frame. These pads can be adjusted for height, width, and length.
3. Ensure the ground wire assembly is accessible and ready for connection.

5. OPERATING INSTRUCTIONS

5.1 Operating the Transmission Jack (Model 7796)

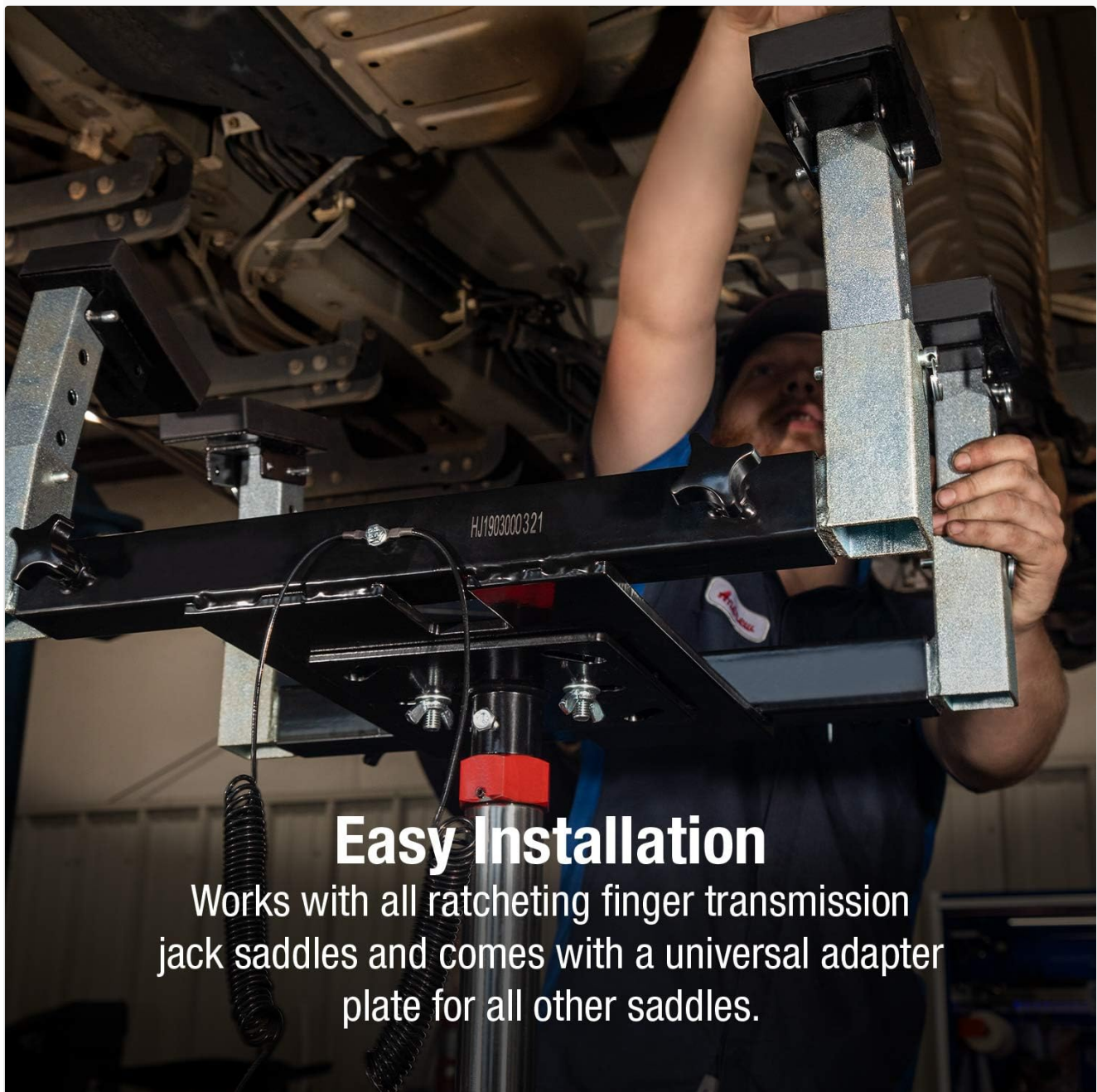
1. **Preparation:** Ensure the vehicle is securely lifted on a hoist or jack stands and is stable. The transmission jack should be on a flat, level, and stable surface. Unlock the caster wheels for maneuverability.
2. **Positioning:** Roll the transmission jack under the vehicle and position the universal saddle directly beneath the transmission or component to be removed/installed.
3. **Adjusting Saddle:** Adjust the four ratcheting arms of the universal saddle to securely cradle the transmission pan. Ensure the load is balanced.
4. **Lifting (Hydraulic):** Close the release valve by turning it clockwise. Pump the foot pedal or handle to raise the saddle to the desired height.
5. **Lifting (Air):** Connect an air hose to the air inlet. The jack will raise as air pressure is applied.
6. **Lowering:** Slowly open the release valve by turning it counter-clockwise to lower the saddle. Control the lowering speed carefully.
7. **Securing:** Once the jack is in position and supporting the load, engage the locking feature on the caster wheels to prevent unintended movement.



Figure 5.1: The Sunex 7796 Transmission Jack in an extended position, ready for operation.

5.2 Operating the Fuel Tank Adapter (Model 7706)

1. **Attachment:** Ensure the fuel tank adapter is securely mounted to the transmission jack's universal saddle.
2. **Positioning:** Maneuver the jack with the adapter under the fuel tank.
3. **Adjusting Support Pads:** Adjust the height, width, and length of the foam support pads to conform to the shape of the fuel tank, ensuring maximum contact and stability.
4. **Ground Wire:** For metal fuel tanks, connect the ground wire assembly to a suitable grounding point on the vehicle chassis to prevent static discharge.
5. **Securing Tank:** Use the two 8-foot tie-down straps to firmly secure the fuel tank to the adapter. Ensure the straps are tight and the tank cannot shift during lifting or lowering.
6. **Lifting/Lowering:** Use the transmission jack's hydraulic or air lift mechanism to carefully raise or lower the fuel tank. Maintain control at all times.



Easy Installation

Works with all ratcheting finger transmission jack saddles and comes with a universal adapter plate for all other saddles.

Figure 5.2: The Sunex 7706 Fuel Tank Adapter shown in an operational context, demonstrating its use for installation.

Foam Support Pads

Can adjust for height, width, and length to fit any 4-gallon gas tank configuration.

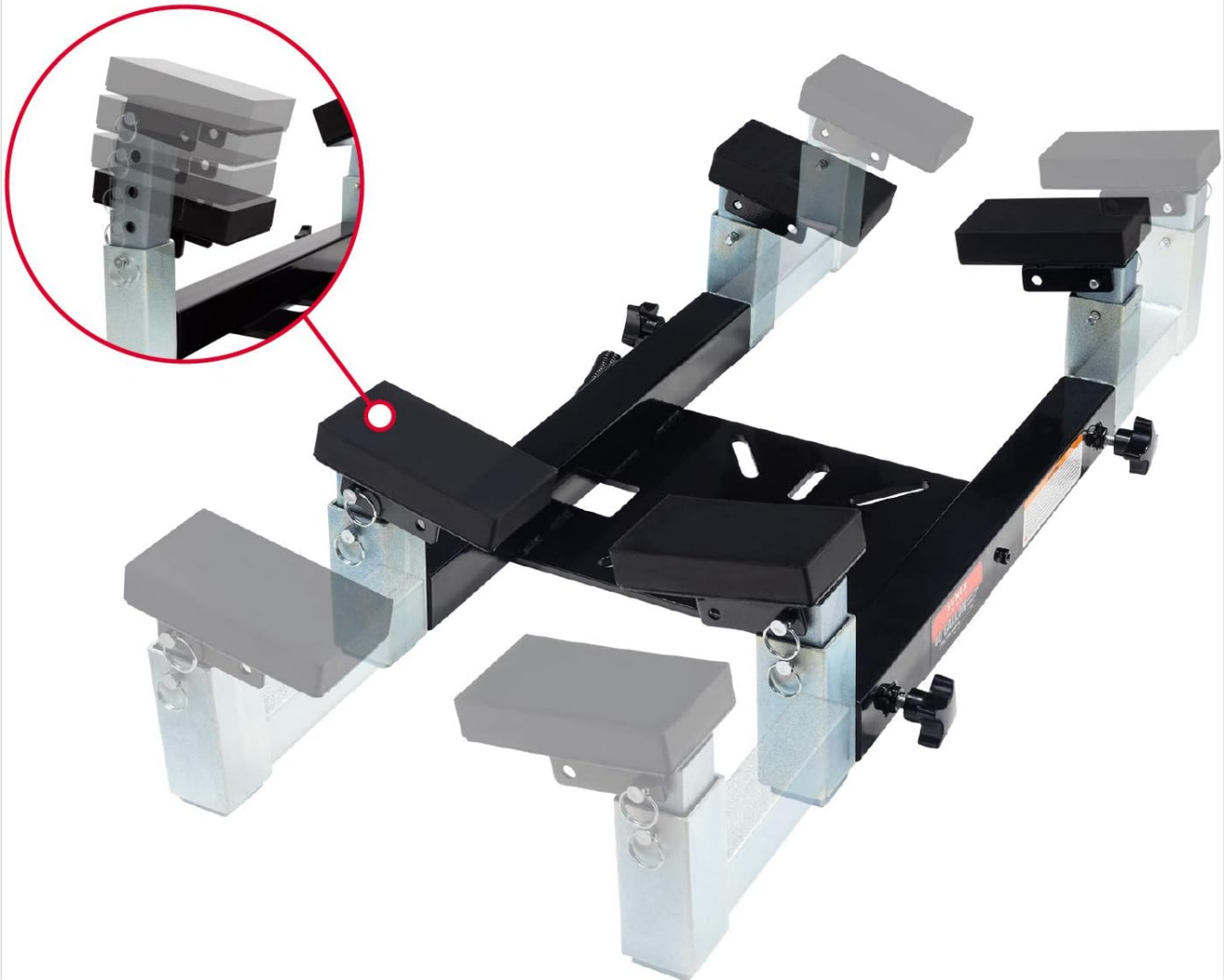


Figure 5.3: Detail of the adjustable foam support pads on the Sunex 7706 Fuel Tank Adapter.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your Sunex equipment.

- **Hydraulic Fluid:** Check the hydraulic fluid level periodically. Use only high-quality hydraulic jack oil. Refer to the jack's specific markings for fluid type and capacity.
- **Bleeding Air:** If the jack does not lift smoothly or reaches full height, air may be trapped in the hydraulic system. To bleed, open the release valve, remove the oil filler plug, pump the handle several times, then close the release valve and replace the plug.
- **Cleaning:** Keep the jack and adapter clean and free of dirt, grease, and debris. Wipe down surfaces with a clean cloth.
- **Inspection:** Before each use, inspect all components for signs of wear, damage, or corrosion. Check hydraulic hoses for leaks, casters for smooth operation, and the saddle/pads for integrity.
- **Lubrication:** Lubricate pivot points and moving parts as needed with light machine oil.
- **Storage:** Store the jack and adapter in a clean, dry area when not in use. Lower the jack completely before

storage.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Sunex equipment.

Problem	Possible Cause	Solution
Jack will not lift or lifts slowly.	Low hydraulic fluid level; Air in hydraulic system; Release valve not fully closed.	Check and refill hydraulic fluid; Bleed the hydraulic system; Ensure release valve is fully closed.
Jack lowers under load.	Internal seal leak; Release valve not fully closed.	Contact Sunex Tools for service; Ensure release valve is fully closed.
Caster wheels do not roll smoothly.	Debris in wheels; Worn bearings.	Clean wheels; Lubricate bearings; Replace worn casters.
Fuel tank adapter unstable.	Tank not properly secured; Support pads not adjusted correctly.	Ensure straps are tight; Readjust foam support pads for optimal contact.

8. PRODUCT SPECIFICATIONS

- **Brand:** Sunex Tools
- **Model Numbers:** 7796 (Transmission Jack), 7706 (Fuel Tank Adapter)
- **Load Capacity (7796):** 1000 Pounds
- **Color (7796):** Red
- **Manufacturer:** Sunex Tools
- **Fuel Tank Adapter Capacity (7706):** Fits up to 40-gallon fuel tanks

9. WARRANTY AND CUSTOMER SUPPORT

Sunex Tools products are manufactured to high-quality standards and are backed by a limited warranty. For specific warranty details, claims, or technical support, please refer to the warranty information provided with your purchase or visit the official Sunex Tools website. It is recommended to keep your purchase receipt as proof of purchase. For further assistance, please contact Sunex Tools customer service directly. Contact information can typically be found on the product packaging or their official website.