Reese 1391400

Reese Explore 1391400 Adjustable Cross Bar Instruction Manual

Brand: Reese | Model: 1391400

1. Product Overview

The Reese Explore 1391400 Adjustable Cross Bar system provides a versatile solution for increasing your vehicle's cargo capacity. These cross bars are designed to securely attach to existing raised side rails on most compact and mid-size cars and SUVs, allowing for the transport of various items such as roof boxes, cargo baskets, and other accessories. Each set includes two adjustable cross bars capable of supporting a combined weight of up to 110 pounds (approximately 50 kg). The design incorporates tamper-resistant keys and secure clamping mechanisms to ensure stability and deter theft. Installation is straightforward, with all necessary tools provided.



Figure 1.1: The Reese Explore 1391400 Adjustable Cross Bars. This image displays the two individual cross bars, highlighting their adjustable clamps and locking mechanisms.

2. Safety Information

- **Weight Capacity:** Do not exceed the maximum load capacity of 110 pounds (50 kg) for these cross bars. Always distribute weight evenly.
- **Vehicle Roof Capacity:** Always consult your vehicle's owner's manual for its specific roof load capacity. Never

exceed the lower of the two ratings (cross bar capacity or vehicle roof capacity).

- **Secure Attachment:** Ensure all clamps and locking mechanisms are fully tightened and secured before driving. Periodically check tightness during long trips.
- **Load Distribution:** Place heavier items at the bottom and center of your cargo. Secure all items with appropriate tie-downs to prevent shifting during transit.
- **Clearance:** Be aware of increased vehicle height when carrying cargo on the roof, especially when entering garages, car washes, or low-clearance areas.
- **Driving Habits:** Adjust driving speed and habits when carrying roof cargo. Avoid sudden maneuvers, hard braking, or sharp turns.
- **Maintenance:** Regularly inspect the cross bars for any signs of wear, damage, or corrosion. Replace damaged components immediately.

3. Package Contents

Verify that all components are present and undamaged before beginning installation. If any parts are missing or damaged, contact customer support.

- 2 x Adjustable Cross Bars
- 2 x Keys (for locking mechanisms)
- 1 x Installation Tool Kit (includes necessary wrenches/hex keys)
- 1 x Instruction Manual (this document)



Figure 3.1: Product packaging for the Reese Explore 48-inch Adjustable Cross Bars. The box indicates the product name, key features, and an image of the cross bars installed on a vehicle.

4. Setup and Installation

The Reese Explore 1391400 cross bars are designed for easy installation on vehicles with existing raised side rails. Ensure your vehicle's roof width is between 35 and 46 inches for proper fitment.

1. **Identify Front and Rear Bars:** While both bars are adjustable, it's often best to place the slightly longer bar (if there's a difference) towards the front of the vehicle, or as dictated by your vehicle's roof rail design.
2. **Position the First Bar:** Place one cross bar across your vehicle's raised side rails. Adjust the clamps on each end so they align with the inner and outer edges of your side rails.
3. **Loosen Clamps:** Use the provided tool to loosen the clamping mechanisms on both ends of the cross bar. This will allow the clamps to open wide enough to fit over your vehicle's side rails.

4. **Attach to Side Rails:** Carefully position the open clamps over your vehicle's raised side rails. Ensure the clamps are seated firmly and evenly on both sides.
5. **Tighten Clamps:** Begin tightening the clamping mechanisms. Alternate tightening each side gradually to ensure even pressure and a secure fit. Continue tightening until the cross bar is firmly secured and does not move. The tamper-resistant key can be used to lock the clamps once tightened.
6. **Repeat for Second Bar:** Position the second cross bar on the rear section of your roof rails. Maintain an appropriate distance between the front and rear bars for optimal load support (typically 24-36 inches, or as recommended by your cargo accessory). Repeat steps 2-5 for the second bar.
7. **Final Check:** After installation, firmly shake each cross bar to ensure it is securely attached and there is no movement. Double-check all tightening points and ensure the locking mechanisms are engaged.



Figure 4.1: The Reese Explore 1391400 cross bars installed on a vehicle with raised side rails. This image demonstrates the typical appearance and positioning of the cross bars once mounted.

5. Operating and Usage

Once installed, your Reese Explore cross bars are ready to support various roof-mounted accessories.

- **Attaching Accessories:** Most roof boxes, cargo baskets, and other accessories are designed to clamp onto or slide into the channels of cross bars. Follow the specific instructions provided with your accessory for proper attachment.
- **Load Securement:** Always use appropriate straps, nets, or tie-downs to secure your cargo to the cross bars or accessory. Ensure cargo is stable and cannot shift during transit.
- **Weight Distribution:** Distribute the weight of your cargo as evenly as possible across the cross bars. Avoid concentrating heavy loads in one small area.
- **Regular Checks:** Before and during long trips, stop periodically to check that your cargo and the cross bars remain securely fastened.

6. Maintenance

Proper maintenance will extend the life and ensure the safe operation of your cross bars.

- **Cleaning:** Clean the cross bars regularly with mild soap and water. Avoid harsh chemicals or abrasive cleaners that could damage the finish.
- **Inspection:** Periodically inspect all components for signs of wear, cracks, bends, or corrosion. Pay close attention to the clamping mechanisms and locking points.
- **Tightness:** Re-check the tightness of all bolts and clamps periodically, especially after initial installation and after carrying heavy loads.
- **Lubrication:** Apply a small amount of silicone spray or light lubricant to the locking mechanisms if they become stiff.
- **Storage:** If removing the cross bars for extended periods, store them in a dry, protected area to prevent corrosion and damage.

7. Troubleshooting

- **Cross Bars Not Fitting:**
  Issue: Cross bars are too long or too short for the vehicle's roof width.
  Solution: Ensure your vehicle's roof width (distance between outer edges of raised side rails) is within the 35-46 inch adjustable range. If not, these cross bars are not compatible.
- **Cross Bars Feel Loose After Tightening:**
  Issue: The cross bars move or wobble even after tightening.
  Solution: Re-check that the clamps are correctly seated on the raised side rails. Ensure all bolts are tightened evenly and securely. The tamper-resistant key should be used to fully engage the lock.
- **Excessive Wind Noise:**
  Issue: Noticeable whistling or humming noise at speed.
  Solution: Ensure no gaps exist around the clamps. Sometimes, adjusting the position of the bars slightly forward or backward can reduce noise. Consider adding a fairing (wind deflector) if noise persists.
- **Key Not Turning in Lock:**
  Issue: The key is difficult to insert or turn in the locking mechanism.
  Solution: Apply a small amount of graphite lubricant or silicone spray into the keyhole. Ensure the key is fully inserted before attempting to turn.

8. Specifications

Feature	Specification
Model Number	1391400

Brand	Reese
Material	Alloy Steel
Color	Silver
Adjustable Width	35 to 46 inches (89 cm to 117 cm)
Maximum Load Capacity	110 pounds (50 kg)
Product Dimensions	124.51 x 16.79 x 12.7 cm (49 x 6.6 x 5 inches)
Product Weight	3.27 Kilograms (7.21 pounds)
Assembly Required	No (Tools included for installation)

9. Warranty and Support

Reese products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your purchase or visit the official Reese website. Keep your proof of purchase for any warranty claims.

For technical support, replacement parts, or further assistance, please contact Reese customer service. Contact details can typically be found on the product packaging or the official Reese website.

This manual is intended for informational purposes only. Reese reserves the right to make changes to product specifications and instructions without prior notice.

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