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Reese 51091

Reese Towpower 51091 Class IV Custom-Fit Hitch Instruction Manual

Model: 51091

1. Product Overview

The Reese Towpower 51091 Class IV Custom-Fit Hitch is engineered for robust towing performance, featuring solid all-welded construction for maximum strength and safety. This hitch is designed to provide a lifetime of trouble-free towing, having undergone computer-aided design, fatigue, and stress testing. It integrates seamlessly with various hitch accessories, including the exclusive InterLock hitch ball and ball mount 'One Wrench Tightening System' (sold separately).

All Reese hitches meet and exceed V-5, CSA, and SAE J684 standards, ensuring high quality and workmanship. The METALSHIELD protective coating process, a three-step finish including a rust-inhibiting primer, dipped E-coat electrostatic coating, and an outer powder coat, provides superior corrosion protection and durability. This custom-built hitch is designed for a perfect fit according to exact manufacturer and model year specifications, often featuring no-drill applications for quick and easy DIY installation.

Key Features:

- Up to 600 pounds tongue weight and gross towing weight of 6000 pounds. Always consult your vehicle's owner's manual for maximum towing capacity.
- All-welded construction for maximum strength and safety.
- Fatigue and stress testing ensure a strong design that will withstand road abuse.
- Meets and exceeds V-5, CSA, and SAE J684 standards and are inspected for quality and workmanship.
- Many no-drill applications and MetalShield protective coating for increased corrosion resistance and OEM quality protection.

2. Safety Information

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Always ensure that the total weight of your trailer and its contents, as well as the tongue weight, do not exceed the rated capacities of your hitch or your vehicle. Refer to your vehicle's owner's manual for specific towing limits. Regularly inspect all towing components for wear, damage, or corrosion before each use. Ensure all connections are secure and safety chains are properly attached.

3. What's in the Box

- Reese Towpower Trailer Hitch Class IV, 2 in. Receiver
- Mounting Hardware (bolts, nuts, washers)

Note: Additional towing accessories such as hitch balls and ball mounts are sold separately.

4. Specifications

Specification	Detail
Brand	Reese
Model Number	51091
Item Weight	32 Pounds
Product Dimensions	41 x 16.38 x 10.75 inches
Vehicle Service Type	Trailer
Material	Alloy Steel
Finish Type	Powder Coated
Pull Force (Gross Trailer Weight)	6000 Pounds
Tongue Weight	600 Pounds
Receiver Opening	2 inches

5. Setup (Installation)

For detailed installation instructions, please refer to the official Installation Manual PDF provided by Reese Towpower. This manual contains specific steps and diagrams tailored to your vehicle's make and model.

Download Official Installation Manual (PDF)

General installation typically involves mounting the hitch to the vehicle's frame using the provided hardware. Many applications are designed for a 'no-drill' installation, utilizing existing frame holes. Ensure all bolts are tightened to the manufacturer's specified torque settings.



Figure 5.1: Front view of the Reese Towpower Class IV Custom-Fit Hitch, highlighting the 2-inch square receiver opening.



Figure 5.2: Angled view of the Reese Towpower Class IV Custom-Fit Hitch, displaying its robust construction.

6. Operating Instructions

Once installed, the Reese Towpower hitch provides a secure connection point for your trailer. Always ensure the hitch ball and ball mount are correctly sized and rated for your towing needs. Connect your trailer to the receiver, insert the hitch pin, and secure it with a clip. Attach safety chains from the trailer to the designated attachment points on the hitch or vehicle frame, ensuring they are crossed under the trailer tongue.

Before driving, verify that all lights on the trailer are functioning correctly (brake lights, turn signals, running lights). Check tire pressure on both the tow vehicle and the trailer. Drive cautiously, allowing for increased braking distances and wider turns when towing.

Video 6.1: This video explains the different classes of hitches and their weight-bearing capacities, which is crucial for safe and effective towing.



Figure 6.1: The Reese Towpower Class IV custom-fit hitch with a 2-inch square receiver opening, shown with a bag of hardware.

7. Maintenance

To ensure the longevity and performance of your Reese Towpower hitch, regular maintenance is recommended:

- **Cleaning:** Periodically clean the hitch, especially after exposure to road salt, dirt, or harsh weather conditions. Use mild soap and water, then rinse thoroughly.
- **Inspection:** Before each use, inspect the hitch for any signs of rust, cracks, bends, or other damage. Check all bolts and nuts for tightness and re-torque if necessary.
- **Protective Coating:** The hitch features a METALSHIELD protective coating. While highly durable, minor scratches or chips can be touched up with a rust-inhibiting paint to prevent corrosion.
- **Receiver Opening:** Keep the 2-inch receiver opening clean and free of debris. A receiver hitch cover can help protect it when not in use.

8. Troubleshooting

If you encounter issues with your Reese Towpower hitch, consider the following:

- **Difficulty Installing:** Ensure you have the correct custom-fit hitch for your specific vehicle make, model, and year. Refer to the detailed installation manual for precise instructions and diagrams.
- **Excessive Play in Receiver:** Verify that the hitch pin is fully inserted and secured with the clip. Ensure your hitch ball mount shank is the correct size (2-inch) for the receiver opening.
- **Unusual Noises During Towing:** Check all connections, including the hitch ball, ball mount, and safety chains, for proper attachment and tightness. Ensure the trailer's weight and tongue weight are within the specified limits for both the hitch and your vehicle.
- **Corrosion:** While the METALSHIELD coating offers excellent protection, prolonged exposure to harsh elements without cleaning can lead to surface rust. Address minor rust spots promptly with appropriate rust treatment and paint.

For persistent issues or concerns not covered here, please contact Reese Towpower customer support or a certified

automotive technician.

9. Warranty and Support

Reese Towpower products are known for their quality and durability. For specific warranty information regarding your 51091 Class IV Custom-Fit Hitch, please refer to the warranty documentation included with your purchase or visit the official Reese website. Keep your proof of purchase for any warranty claims.

For customer support, technical assistance, or to explore additional Reese products and accessories, please visit the official Reese store:

Visit the Reese Store on Amazon

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