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Thule AeroBlade Edge (7602)

Thule AeroBlade Edge Flush Mount Rack User Manual

Model: AeroBlade Edge (7602)

Brand: Thule

1. PRODUCT OVERVIEW

The Thule AeroBlade Edge is an integrated roof rack system designed for vehicles with fixed points or flush rails. It features a low-profile, aerodynamic design and is engineered for strong carrying capacity. This system is sold as individual bars to accommodate vehicles with varying roof contours.

Key features include WindDiffuser technology to reduce noise and drag, and a Boxbeam load bar structure for exceptional strength. The integrated bar and foot design ensures a sleek appearance and simplifies installation.



Figure 1.1: A single Thule AeroBlade Edge bar, showcasing its integrated design and silver finish.

2. SAFETY INFORMATION

- Always ensure the rack is securely mounted to your vehicle according to the specific fit kit instructions.
- Do not exceed the maximum load capacity of 165 pounds (75 kilograms) for the rack or your vehicle's roof, whichever is lower.

- Distribute the load evenly on the rack.
- Check all fasteners and straps regularly, especially before and after long trips.
- Be aware of the increased height and width of your vehicle when the rack is installed, particularly when entering garages or low-clearance areas.
- For vehicles with a sunroof: Due to the low-profile fit of the rack, it may not be possible to open the sunroof when the racks are installed. Always check clearance before opening your sunroof.
- Thule One-Key locks are sold separately and are recommended for securing your rack and accessories.

3. SETUP AND INSTALLATION

The Thule AeroBlade Edge system is pre-assembled for ease of installation. However, a vehicle-specific fit kit is required for proper mounting on fixed point and flush rail systems. Refer to the Thule Buyer's Guide to determine the correct fit kit for your vehicle.

1. **Identify Mounting Points:** Locate the designated fixed points or flush rails on your vehicle's roof.
2. **Install Fit Kit Components:** Attach the vehicle-specific fit kit components to the AeroBlade Edge bars as per the fit kit instructions.
3. **Position Bars:** Carefully place the assembled bars onto the vehicle's roof, aligning them with the mounting points.
4. **Secure Bars:** Tighten all fasteners evenly and securely. Ensure the bars are firmly attached and do not move.
5. **Check Clearance:** Verify that there is adequate clearance between the rack and any vehicle components, especially the sunroof if applicable.



Figure 3.1: Thule AeroBlade Edge bars installed on a vehicle's roof, demonstrating the low-profile fit.

The integrated T-track on the top of the bar allows for fast mounting and removal of various Thule accessories. Some carriers may require a Thule Xadapt kit for compatibility with the T-track system.



Figure 3.2: Top view of the AeroBlade Edge bar, highlighting the integrated T-track for accessory attachment.

4. OPERATING INSTRUCTIONS

Once installed, the Thule AeroBlade Edge provides a secure platform for transporting gear. Its design incorporates advanced features for optimal performance:

- **WindDiffuser Technology:** This feature disturbs airflow over the bar, significantly reducing wind noise and drag. This contributes to improved fuel economy during travel.
- **TrailEdge Design:** The rear edge of the bar is designed to allow clean air separation, further minimizing aerodynamic drag.
- **BoxBeam Structure:** The internal BoxBeam load bar structure provides exceptional strength, making it one of the strongest aftermarket load bars available.

For added security, the rack is compatible with Thule One-Key locks (sold separately). These locks can be used to secure the rack to your vehicle and to lock accessories mounted on the T-track.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Thule AeroBlade Edge rack:

- **Cleaning:** Clean the bars and feet regularly with mild soap and water. Avoid abrasive cleaners or solvents that could damage the finish.
- **Inspection:** Periodically inspect all components for signs of wear, damage, or corrosion. Pay close attention to the mounting points, fasteners, and the integrity of the bar itself.
- **Fastener Check:** Re-tighten all mounting fasteners periodically, especially after the first few uses and after driving on rough roads.
- **Storage:** If removing the rack for extended periods, store it in a clean, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
Excessive Wind Noise	Improper installation; accessories not properly secured; missing end caps.	Ensure all components are installed correctly and tightened. Verify accessories are securely mounted. Check that all end caps are in place.
Rack Feels Loose	Mounting fasteners are not sufficiently tightened.	Re-tighten all mounting fasteners according to the installation instructions. Do not overtighten.
Sunroof Interference	Low-profile design of the rack.	This is a known characteristic. Always check clearance before opening your sunroof. It may be necessary to keep the sunroof closed when the rack is installed.

7. SPECIFICATIONS

Specification	Detail
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Specification	Detail
Model Name	AeroBlade Edge
Part Number	7602
Color	Silver
Item Dimensions (L x W x H)	47 x 6 x 5 inches
Load Capacity	165 pounds / 75 kilograms
Mounting Type	Rack (Fixed Point and Flush Mount Systems)
Included Components	1 flush rail bar
UPC	091021632356

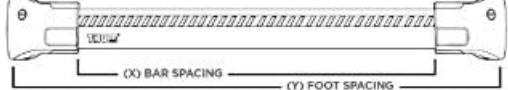
AeroBlade Edge Technical Specifications

AEROBLADE EDGE RAISED RAIL		Absolute Bar Length		(X) Bar Spacing Min/Max Mounting Width For Products				(Y) Foot Spacing Min/Max Mounting Width On Vehicle			
Part #	Description	(Bar only, No feet)		Min	Max	Min	Max	Min	Max	Min	Max
7503(B)	Raised Rail Small	29.5	752	23.75	650	27.75	704	53	840	57	940
7503(B)	Raised Rail Medium	32.75	832	27	680	31	780	36	900	40	1020
7503(B)	Raised Rail Large	36	962	30	764	34	864	39.25	1000	43.25	1100
7504(B)	Raised XL	39.75	1012	34	863	38	965	43.25	1000	46.675	1190

NOTE: 'Y' measurements are from inside to inside of vehicle's raised rail.

AEROBLADE EDGE FIXED & FLUSH		Absolute Bar Length		(X) Bar Spacing Min/Max Mounting Width For Products				(Y) Foot Spacing Min/Max Mounting Width On Vehicle			
Part #	Description	(Bar only, No feet)		Min	Max	Min	Max	Min	Max	Min	Max
7602(B)	Flush/Flush Small	32	816	26	680	30	760	37	940	40.75	1035
7602(B)	Flush/Flush Medium	35.25	896	29.25	744	33.25	844	40	1016	43.75	1111
7603(B)	Flush/Flush Large	38.25	976	32.25	820	36.25	920	43	1092	46.75	1187
7604(B)	Flush/Flush XL	42.38	1076	36.38	924	40.38	1025	46	1169	50	1269

NOTE: Y measurements are center to center of vehicle's fixed point, flush rail or track.



The diagram shows a horizontal rail bar with two mounting brackets. The distance between the centers of the brackets is labeled '(X) BAR SPACING'. The distance from the center of the left bracket to the center of the right bracket is labeled '(Y) FOOT SPACING'.

Figure 7.1: Detailed technical specifications for AeroBlade Edge, including bar and foot spacing for different models.

8. WARRANTY INFORMATION

Thule products are tested and are guaranteed against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official Thule website or contact Thule customer support. Keep your proof of purchase for any warranty claims.

9. CUSTOMER SUPPORT

For further assistance, technical support, or to purchase additional accessories and fit kits, please visit the official Thule website or contact their customer service department.

Thule Official Website: www.thule.com

Refer to the website for regional contact information and support hours.