

# ULTRA TRAIL-EZE II



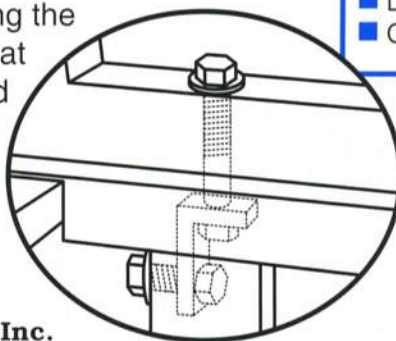
## Increase Your Mileage. No Holes to Drill.

Ultra-Fabs new Trail-Eze II is a fully adjustable wind deflector. Made of fiberglass, this unit is fully adjustable for use with 5th wheels or travel trailers. Supplied spring-loaded struts are used when towing 5th wheels. They allow the deflector to stand straight up at low speeds to provide the necessary clearance in tight turns. At higher speeds the wind deflector tilts back to match the angle of the windshield for maximum fuel economy.

When towing tongue type trailers, utilize the solid struts supplied and adjust the angle to match exactly your particular truck-trailer height requirements. When not towing, the deflector can be lowered to a horizontal position in seconds.

The heavy metal frame is designed to attach to most full size pickups without drilling or modifying the vehicle in any way. Special brackets that bolt into the forward stake pockets hold the frame in position.

Mileage increases of up to 26% have been reported using the Ultra Trail-Eze II.



## F E A T U R E S

- Fiberglass.
- Lightweight.
- Installs in minutes.
- No holes to drill.
- Fits most full size pickup trucks, Chevrolet, GMC, Ford, Dodge.
- Saves fuel.
- Keeps bugs off trailer.
- Can be removed in minutes.
- O.E.M. colors to match your trucks (special order).
- Lays flat in seconds.
- ONE YEAR LIMITED WARRANTY.

## ULTRA-UNIQUE MOUNTING BRACKET



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**INSTALLATION - OPERATION**

**ULTRA TRAIL - EZE II Part No. 946200 / 946104 / 946103**

Congratulations!! You have purchased the finest wind deflector available today especially designed for easy installation and simple operation. This **ULTRA TRAIL-EZE II** will give you years of service with little or no maintenance whatsoever. The **TRAIL-EZE II** wind deflector can be purchased two ways, with the mounting frame or without. If you have purchased the frame and deflector, follow the directions as written. If you have purchased only the deflector and associated hardware, you are free to mount the deflector on the vehicle utilizing a truck cap, a pipe rack or any other device which will locate the deflector over the cab in the correct location. In this case, disregard Steps 1 through 3.

**INSTALLATION PROCEDURES**

The **ULTRA TRAIL-EZE II** wind deflector is designed to fit on most full size pickup trucks. Although the wind deflector is certainly not heavy, it is recommended that you utilize at least two people to help with the installation to keep the possibility of damage to the tow vehicle to a minimum due to a part "slipping and scratching the vehicle"

**IMPORTANT:** Read all of the following instructions before beginning the installation.

**TOOLS REQUIRED**

- \_\_\_\_\_ 3/4" open end or box wrench
- \_\_\_\_\_ 1/2" open end wrench
- \_\_\_\_\_ small pair of pliers

The **ULTRA TRAIL-EZE II** wind deflector is shipped in two cartons. One carton contains the frame and the other the deflector itself. Remove all parts from both boxes before beginning installation.

**Step # 1**

Find the 1/2 x 1" bolts and the jam nuts supplied. Install the jam nuts onto the bolts and run the nuts as far on the bolts as possible. Install these bolts with nuts into the two threaded holes in each of the upright legs. **Do not tighten these bolts more than a fraction of an inch at this time.** Slide the frame upright onto the horizontal frame tube until approximately 1 & 1/2 inches of the horizontal frame is showing through to the outside of the vertical bracket. Be sure the uprights are installed so the frame is more narrow at the top than the bottom and the feet of the uprights are facing the opposite direction from the deflector mounting brackets. See illustration # 1.

**Step # 2**

Insert the stake pocket bracket inside the forward stake pocket, (the one closest to the truck cab) and hold in place by installing the 1/2 x 1" bolts and washers. See illustration # 2. When installing the **ULTRA TRAIL-EZE II** on Chevrolet or GMC trucks be sure to utilize the front hole in the stake pocket to insert the bolt. **Do not tighten these bolts more than finger tight at this time.**

You are now ready to install the mounting frame to the truck.

**Step # 3**

Because the distance from the stake pocket to the front of the pickup bed varies from one truck manufacturer to another, the foot of the frame uprights are equipped with a number of holes. You will want to utilize the holes that allows the front edge of the uprights to be approximately even with the front edge of the pickup bed. Place the frame of the **ULTRA TRAIL-EZE II** over those studs and install the flat washer and locking nut. **Do not tighten the nuts at this time.** See illustration # 3. Next, center the horizontal frame between the uprights so the deflector will be located directly over the center of the truck cab when looking from the back or front. Tighten securely all bolts at this time. On the bolts which secure the frame together, tighten the bolt and then tighten the jam nut to "lock" the bolt in place and keep them from becoming loose during travel. Install the two rubber headed bumpers into the holes located in the deflector mounting brackets approximately 3" from the back edge. These bumpers are to support the wind deflector when it is folded into the down position. Utilize two nuts on each of the bumpers, one above the deflector bracket and one below. These bumpers will need to be adjusted so the deflector does not rattle when pinned and locked down. Locking the deflector down will be described later.

You are now ready to mount the deflector to the frame.

**Step # 4**

Remove the spring struts from the wind deflector mounting brackets. Lay the wind deflector up on the previously installed frame and line up the metal brackets of the deflector so they lay inside the matching brackets of the frame. Insert the 1/2 x 2 1/2 bolts through the holes at the front of the deflector mounting brackets and the matching holes in the deflector. Secure with the locking nuts supplied. Tighten these nuts securely.

**Step # 5**

Raise the deflector, allowing it to pivot on the hinge bolts and install the spring struts in the holes provided in the support brackets using the 5/16" pins and secure with spring clips provided. As you can see, the angle of the wind deflector is determined by the combination of the length and travel of the strut and the adjustment holes utilized to pin the struts in place. There is almost 14" of adjustment available. These struts allow the **ULTRA TRAIL-EZE II** to lay back at the correct angle while traveling but cause it to move up at low speeds to provide the necessary clearance between the deflector and a 5th wheel for maneuvering. See illustrations # 4 & # 5.

The **ULTRA TRAIL-EZE II** should be adjusted to provide a smooth flow of air from the top of the tow vehicle to over the roof of the vehicle being towed. A good way to identify the correct height adjustment is to start with the **ULTRA TRAIL-EZE II** in its HIGHEST position then begin to LOWER it until the "BUG LINE" appears at the top of the towed vehicle. Once you see the "BUG LINE" appear, raise the deflector one hole adjustment at a time until the bugs disappear. This procedure, although a bit time consuming, is a simple way to PRECISELY adjust the deflector for maximum efficiency. See illustration # 5.

When the **ULTRA TRAIL-EZE II** is not needed, remove the struts completely, lay the deflector down into a horizontal position and reinstall one of the pins utilized to hold the struts in place in each of the strut brackets. Store the struts in a convenient place so they are available for quick reinstallation when you again want to "hook up and go". See illustration # 6.

It is advisable to "check" the tightness of all bolts and pins every 100 miles for the first 1000 miles and then periodically after that.

The surface of the wind deflector is made of high quality fiberglass and can be cleaned in the same manner utilized to clean your tow vehicle. As with your vehicle, a coat of wax now and then will keep the deflector looking good for a long period of time.

Should you need replacement parts for your **ULTRA TRAIL-EZE II** they are available from your dealer.

**ULTRA TRAIL-EZE II - REPLACEMENT PARTS LIST**

Part Number	Description	Number Required
<b>Deflector Items</b>		
35-001014	Deflector Shield	1
35-001011	1/2 x 13 x 2 1/2" Hinge Pin	2
35-001025	1/2 x 13" Hex Nut	2
17-143359	Spring Clip	4
35-001026	Strut Pin	4
35-001015	Spring Strut	2
*35-001027	Long Solid Strut	2
*35-001028	Short Solid Strut	2
35-001009	Strut Bracket Left Side	1
35-001016	Strut Bracket Right Side	1
35-160721.009	Decal	1
<b>Frame Items</b>		
35-001001	Frame Top Bar	1
35-001004	Frame Upright Left	1
35-001006	Frame Upright Right	1
35-001018	Stake Picket Bracket Complete	2
35-001020	1/2 x 13 x 1 Bolt	4
35-001012	1/2 X 13 Jam Nut	2
35-001010	Rubber Bumper / Stop	2
21-001038	5/16 x 18 Nut	2
15-114506	5/16 x 18 Nylox Nut	2
35-001022	1/2 Flat Washer	4
17-111024	1/2 Split Washer	2
35-001002	2 End Cap	6
35-001025	1/2 x 13 Nylox Hex Nut	2

**\*Optional For Pull Trailers (Not Included)**

