HD100 / HD200 SERIES

Canopy Installation Manual

IMPORTANT

Please **read this manual** thoroughly and become familiar with the tractor before proceeding with the canopy installation. **Carefully review** all warnings and precautions, and ensure that all safety procedures are followed.

This comprehensive guide covers the installation of a Thunderbird Industries canopy including the **HD100** and **HD200 Series models**, on open station tractors.

RECOGNIZE SAFETY INFORMATION

This is a **safety-alert symbol**. Whenever you see this symbol on your machine or in this manual, it signals the potential for personal injury. Always follow the recommended precautions and adhere to safe operating procedures.

FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual, as well as in the tractor operator's manuals, for important instructions and safety information.

Ensure that the canopy is properly installed before use, and **do not allow** anyone to install or operate the tractor without following the correct installation procedures.

PARK MACHINE SAFELY & PREPARE MACHINE FOR SERVICE

Before beginning work on the machine, follow these steps:

- Lower all equipment to the ground.
- Turn off the engine and remove the key.
- Disconnect the battery ground strap.
- Place a "**DO NOT OPERATE**" tag inside the cab.

WARNING

This product can expose you to chemicals which are known to the State of California to cause cancer, birth defects, or other reproductive harm.

For more information, go to **www.P65Warnings.ca.gov**

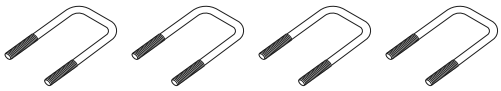
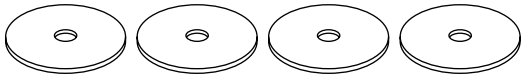
HD100 and HD200 Series

Tools NEEDED
3/4 socket, a ratchet, and a 3/4 wrench to hold the backside from turning

Two Person Assembly Recommended

INCLUDES
Aluminum canopy
Mounting brackets
Hardware box

Hardware Kit Contents

	PARTS ITEM NO.	DESCRIPTION	QTY	
A	UB22, UB32, UB42 or UB42	U-Bolts (Sizes vary 32 = 3″ x 2″, etc..)	4	
B	FN1312	½ - 13 Flange Nuts	8	
C	FW1109	#109 x 1″ Fender Washer	4	

Note: Your canopy will arrive with the mounting brackets pre-installed on the canopy rails for your convenience.

SAFETY NOTICE

- This canopy is designed for sun and weather protection.
- It is not a certified ROPS structure and does not provide rollover protection.
- Always operate machinery responsibly and according to the equipment manufacturer's safety guidelines.

HOW TO GET HELP

Call us at 855-398-6540 (8 AM - 4 PM)

Email us at support@thunderbirdaz.com

Contact your local dealer where you purchased this product.

INSTALLATION INSTRUCTIONS

1. Prepare the Rails

- Using your wrench or socket, **loosen the bolts** that secure the canopy rails to the canopy top.
- **Fold the rails inward toward** the center of the canopy. This will make handling and positioning the canopy easier during the next steps.

2. Measure the Rollover Protection Structure (ROPS)

- Using a tape measure, measure the width of your ROPS from the outside edge of one upright to the outside edge of the opposite upright.
- Record this measurement for use in the next step.

3. Adjust and Secure the Rails

- With the rails folded inward, slide the rails outward to match the exact measurement you took of your ROPS.
- Ensure both sides are evenly adjusted to keep the canopy centered over the ROPS.
- Once the correct width is achieved, tighten the rail mounting bolts securely to lock the rails in position.
- It is recommended to tighten bolts in a cross-pattern to ensure even clamping pressure.

4. Position the Canopy on the ROPS

With the help of a second person, **carefully lift the canopy**, place it on top of the ROPS, and center the canopy.

5. Attach the Canopy to the ROPS

- Align the pre-installed brackets with your ROPS.
- **Place a U-bolt around the ROPS** at each bracket location.
- Slide the U-bolt through the holes in the bracket, then secure it with the provided washers and nuts.
- **Hand-tighten** each U-bolt to hold the canopy in place until all bolts are installed.

6. Final Tightening

- Once all U-bolts are installed and the canopy is properly aligned, fully tighten all nuts using a wrench or socket.
- Do not overtighten, as this could damage the ROPS or canopy brackets.

Final Inspection

- Double-check all fasteners for tightness.
- Verify that the canopy is centered and level.
- Confirm that there is no movement between the canopy and the ROPS when force is applied.

Important: Recheck the U-bolts and all hardware after the first 1–2 hours of machine operation to ensure everything remains securely fastened.