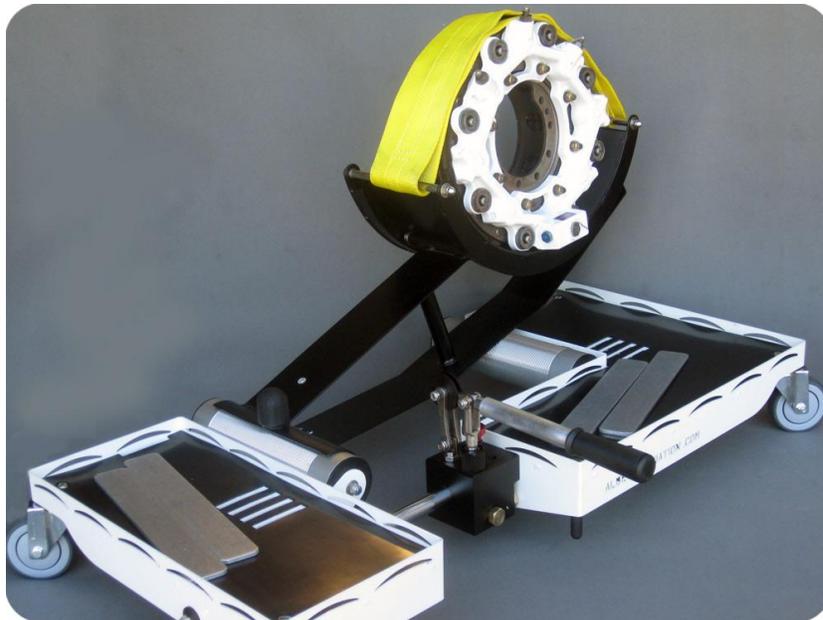




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Alberth Aviation Brake Attachment BD20 for Hydraulic Wheel Dolly HWD40



BD20 Brake Attachment for Hydraulic Wheel Dolly Owner's Manual Contents

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A full demonstration video is online at www.alberthaviation.com.



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Alberth Aviation Brake Attachment for Hydraulic Wheel Dolly

Introduction

General Description

The BD20 Brake Attachment for the HWD40 Hydraulic Wheel Dolly provides the ability to handle heavier aircraft brakes with ease and precision. The Brake Attachment is designed to accommodate brake diameters up to 20 inches and up to 100 pounds. Mounted on the Hydraulic Wheel Dolly, the combination of the undulating brake cradle, hydraulic lift and casters allows complete articulation of a brake assembly on all three axes. A difficult job for two persons is now an easy job for one person.

Wide body

The Brake Attachment's wide body provides stable operation on the rollers of the Hydraulic Wheel Dolly.

Undulating Cradle

The undulating motion of the brake cradle allows precise maneuverability of a brake to mount on the tie bolts of the axle hub. Maintenance free sealed bearings ensure smooth cradle operation.

Roller Attachment Knob

The attachment knob is mounted on the Brake Attachment and quickly connects to the threaded insert on the left roller of the Hydraulic Wheel Dolly.

Personal Safety

- Always use the Brake Attachment with the Hydraulic Wheel Dolly for lifting heavier brakes.
- DO NOT leave brakes unattended on the Brake Attachment with the Hydraulic Wheel Dolly, sloped floors may allow the Hydraulic Wheel Dolly to travel.
- Keep the Brake Attachment clear of debris or other tools.
- Always use the safety strap to secure brake assemblies mounted on the Brake Attachment on the Hydraulic Wheel Dolly. Refer to the cover photo of this manual for proper safety strap placement.
- DO NOT use the Brake Attachment with Hydraulic Wheel Dolly loaded with a brake assembly to transport to the aircraft to prevent tipping of the unit and damage to the brake assembly. Use the Brake Attachment at the aircraft only.

Maintenance

The BD20 should require very little maintenance. Check for loose bolts on a regular basis.

Contact Alberth Aviation if you have any questions regarding the operation or maintenance of this Hydraulic Wheel Dolly at 800-821-9811. The online demonstration video may also be helpful.



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Alberth Aviation Brake Attachment for Hydraulic Wheel Dolly

Safety Precautions:

As a prerequisite to using the Brake Attachment, read and understand operation manual for the Hydraulic Wheel Dolly.

Read and understand operating manual before using the Brake Attachment.

DO NOT make any modifications to this Brake Attachment.

Before each use, examine the Brake Attachment for loose bolts or worn safety straps and maintain as needed.

Only use the Brake Attachment for the Hydraulic Wheel Dolly in a cleared work area on a flat surface.

DO NOT leave brakes unattended on the Brake Attachment for the Hydraulic Wheel Dolly at any time. Unattended brakes on the Brake Attachment on a sloped surface may travel and damage the aircraft or other equipment or personnel.

FOR USE ONLY on aircraft that have been PROPERLY JACKED NO MORE THAN 4 inches off the ground.

The safety straps should ALWAYS be used. Failure to use the safety straps could cause brakes to tip off of the Brake Attachment on the Hydraulic Wheel Dolly causing BRAKE DAMAGE OR PERSONAL INJURY.

DO NOT exceed 100 pounds maximum of the Brake Attachment on the Hydraulic Wheel Dolly.

DO NOT use the Brake Attachment with Hydraulic Wheel Dolly loaded with a brake assembly to transport to the aircraft to prevent tipping of the unit and damage to the brake assembly. Use the Brake Attachment at the aircraft only.

DO NOT ATTEMPT TO LIFT AIRCRAFT WITH THE HYDRAULIC WHEEL DOLLY.

Additionally, follow all safety precautions included in the Hydraulic Wheel Dolly manual.



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Operating instructions:

Refer to HWD-40 Hydraulic Wheel Dolly Manual for operations specific to the Wheel Dolly.

Attaching Brake Attachment to Hydraulic Wheel Dolly:

Rotate the roller on the smaller pan of the Hydraulic Wheel Dolly until the threaded insert is visible at the top of the roller. Place the Brake Attachment roller cup on the left roller and align with the threaded insert. Insert the threaded knob attachment and hand tighten to secure, **DO NOT OVERTIGHTEN KNOB.**



Removal of brake assembly from the axle:

Verify Brake Attachment is properly attached to the Hydraulic Wheel Dolly.

Extend the Hydraulic Wheel Dolly pans per HWD-40 manual instructions to lower the Brake Attachment brake cradle so that it is just below the brake assembly.

Position the Brake Attachment so that the brake assembly is centered in the brake cradle and no part of the landing gear assembly will come into contact with the Brake Attachment.

Pump the wheel dolly handle just until the brake cradle contacts the brake assembly. In the brake assembly removal procedure, the wheel dolly should be used to provide just enough lift to neutralize the weight of the brake assembly so it can be slid off of the axle.

Over-jacking the Brake Attachment on the Hydraulic Wheel Dolly will make brake assembly removal very difficult and may result in damage to the underside of the axle.

Unfasten and re-fasten the Velcro safety strap on the brake cradle over the brake assembly to secure the brake assembly to the Brake Attachment. Refer to this owner's manual cover photo for proper safety strap placement.

Remove brake assembly tie bolts.

Pull, rotate or undulate the brake assembly so that it moves with the Brake Attachment on the Hydraulic Wheel Dolly and slides fully off the tie bolts and axle.



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After the brake assembly is removed from the axle, move the Brake Attachment on the Hydraulic Wheel Dolly with the loaded brake assembly away from the aircraft and follow instructions for unloading a brake assembly.

Unloading the brake assembly from the Brake Attachment:

Fully lower the Brake Attachment by extending the Hydraulic Wheel Dolly pans, keeping one hand on the brake assembly to maintain its balance while in the brake cradle, remove the safety strap, then remove the brake assembly from the Brake Attachment to its storage container.

Load brake assembly:

While in the fully lowered position, place the new brake assembly in its proper orientation for installation on the Brake Attachment. Keeping one hand on the brake assembly to maintain its balance while in the brake cradle, secure the brake assembly to the Brake Attachment with the safety strap. Refer to this owner's manual cover photo for proper safety strap placement.

The brake assembly should be loaded in the same position as the removed brake to prevent contact with any part of the landing gear. Minor adjustments may be made during brake assembly replacement after the brake is placed on the axle.

Replacing a brake assembly on the axle:

Verify Brake Attachment is properly attached to the Hydraulic Wheel Dolly and brake assembly is properly loaded and secured.

Pump the wheel dolly handle just until the brake assembly is approximately level with axle. Locate one brake tie bolt, use Brake Attachment to pivot to a second tie bolt. Install remaining tie bolts, tighten all tie bolts per manufacturers specifications.

Remove safety strap, lower Brake Attachment with Hydraulic Wheel Dolly, move away from aircraft.

Follow brake assembly unloading procedure above to unload the brake assembly. Do not use the Brake Attachment for brake assembly storage.

Specifications:

Maximum load capacity: 100 lbs.
Brake Diameters: up to 20 inches.
Finish: Powdercoat polyester.