



DRILL-POWERED TOW BAR

USE A CORDLESS DRILL TO MOVE
YOUR AIRPLANE



Model #36520

DRILL-POWERED TOW BAR

PRODUCT MANUAL

Made In The USA





SAFETY:

Warning: Keep fingers and hands away from the drive chain at all times when a drill is attached to the GoTow to avoid possible injury.

Warning: Stepping off of the GoTow while your airplane is on a steep slope may cause the GoTow tire to start sliding since your weight provides the traction.

Alert: Your airplane's nose wheel will only turn so far in either direction before it hits a stop. Before using the GoTow determine this stop angle so you can avoid exceeding it while using the GoTow.

FEATURES:

- Easy steering, no need to lift or slide the tow unit
- Does not cause abrasion to your airplane's tire
- Uses body weight for down force resulting in excellent traction; no awkward arm strain
- Works with most Cessna & Cirrus airplanes without additional adapters
- Optional adapter set available as required for other airplanes (GoTow Adapter Set Item #36550)
- Adjustable height and width to accommodate different airplanes
- Flat-free tire won't mark up your hanger floor and never needs air
- High-quality welded aluminum construction for strength and ease of handling
- Adjusts to fit most cordless drills regardless of brand

1 YEAR WARRANTY: This product is warranted to be free from defects in materials or workmanship for one (1) year from the date of purchase.

SPECIFICATIONS:

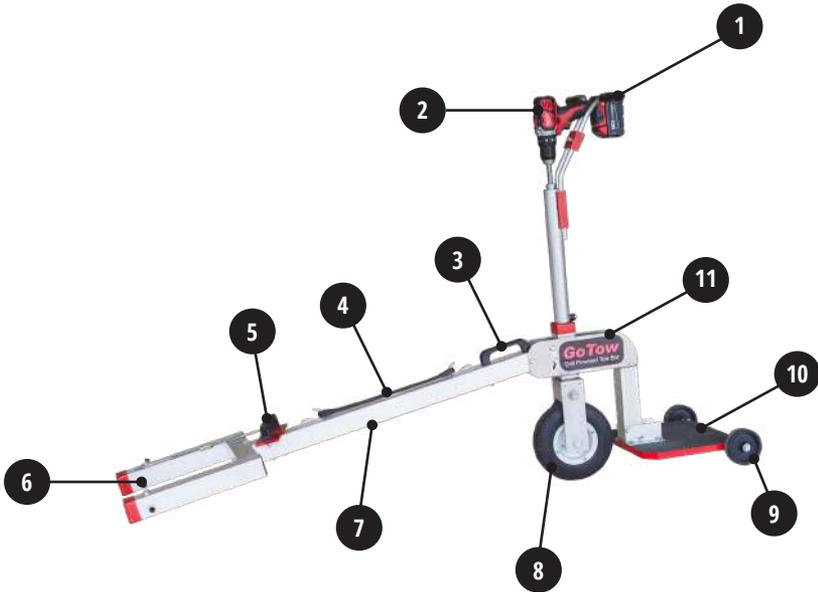
Drill Requirements:	18v or greater cordless drill with 1/2in (13mm) chuck capacity (drill not included with purchase)
Typical Tow Speed:	12ft/min(4m/min) with drill on LOW 42ft/min(13m/min) with drill on HIGH
Max User Weight:	270 lb (123 kg)
Max Recommended Airplane Weight:	3600 lb (1636 kg)
Weight:	30 lb (13.6 kg)
Size:	39in H x 17in W x 69in L (99cm H x 44cm W x 176cm L)
Shipping Specs:	size: 8in H x 17in W x 49in L (21cm H x 43cm W x 124.5cm L) weight: 38 lb (17.3 kg)

COMPATIBLE AIRPLANES:

With included Lug Tubes:	Cirrus SR20, SR22 Cessna 150, 152, 162, 172, 175, 177, 182, 185, 205, 206, 207 Beechcraft Queen Air, Musketeer, Sport, Sierra, Sundowner, Twin Vans RV6A, RV7A, RV8A, RV9A, RV10 Piper Tomahawk
With optional Adapter Set (GoTow Adapter Set Item #36550):	Cessna 172RG, 177RG, 182RG, 210 Series Beechcraft Bonanza, Debonair, Duchess, Barron, Duke, Skipper Lanceair 400, Columbia 400, Cessna TTX General Nose Wheels with approximately 0.840in ID or 1.125in ID (Saratoga, for example)

GOTOW COMPONENTS:

- 1 Handlebars for steering
- 2 Cordless Drill (Not Included)
- 3 Carry Handle
- 4 Wheel Chock Storage Strap
- 5 Attachment & Release Handle
- 6 Lug Tubes for Airplane Attachment
- 7 Tow Arm
- 8 Flat-Free Drive Tire
- 9 Transport Wheels
- 10 Operator Platform
- 11 Drive Head



ASSEMBLY:

Before Starting



Unpack and inspect components:
Tow Arm, Operator Platform, Handle Bars.
Drive Head, 5/16-18 x 7/8 Hex Bolts (10)



Tools needed:
1/2" Wrench, Tape Measure

Step 1 – Attach the operator platform



Attach the operator platform to the drive head with (4) included 5/16-18 x 7/8 hex bolts (fully tighten).

Step 2 – Attach the tow arm



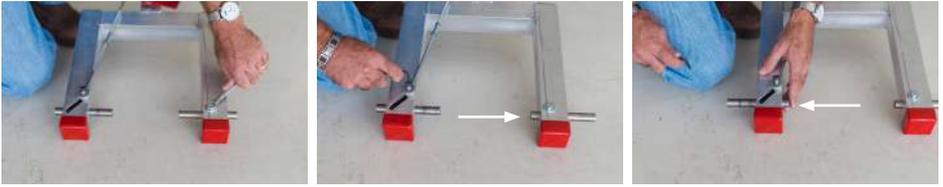
Attach tow arm to drive head with (6) included 5/16-18 x 7/8 hex bolts (**do NOT tighten until Step 8**).

Step 3 – Attach drill & adjust handlebars



Loosen all three 5/16-18 x 7/8 hex bolts and insert handle bars to full depth. Insert drive shaft to full depth in drill chuck and tighten firmly. Finally, slide handle bars up in the channel until they are snug against the drill handle then tighten bolts firmly.

Step 4 – Prep for attachment to your airplane



Use the 1/2" wrench to loosen the lug tube clamps and slide each to the full open position (leave loose for next steps).

Step 5 – Determine your lug tube configuration



The lug tubes are different inside diameters on each end. Remove and flip these lug tubes as needed. The larger ID is for Cessna Airplanes and the small ID is for Cirrus Airplanes. See the specifications section on exact aircraft models these fit. You may need an adapter set as pictured to fit your model (GoTow Adapter Set Item #36550).

Step 6 – Initial lug fit-up



While holding the tow arm up to your nose wheel, use finger pressure to slide the lug tubes over your airplanes tow lugs on both sides. Continue adjusting the position of the lug tubes until the "fork" of the tow arm is centered on tire, then tighten both lug tube clamps.

Step 7 – Test lug tube positions



Depress the thumb latch button and move the lug tubes to the open position. If you cannot remove the GoTow from the airplane in this open position, then readjust the position of each lug tube to provide enough clearance for removal in this open position. Adjust and test in both the open and closed position until you are satisfied.

Step 8 – Setting the operator platform height



Attach the GoTow to your airplane for this final assembly step. Adjust the angle of the operator platform so that the transport wheels are 2-3 inches above the ground. This step should be done on level ground and will result in a slight upward angle to the operator platform. This angle is necessary because the tire will compress when you step onto the operator platform. Now is the time to firmly tighten all (6) 5/16-18 x 7/8 hex bolts that hold the tow arm to the drive head as assembled in Step 2. The assembly is now complete!

USE OF PRODUCT:

Transport



Transport the GoTow to and from your airplane by either carrying it or using the transport wheels as shown.

Attachment



Attach to your airplane by holding both handles for alignment and then twist the attachment handle to lock it onto the lugs. Make sure the thumb latch has engaged so there is no chance it will accidentally come loose during use.

MOVE YOUR AIRPLANE:



Alert: Your airplane's nose wheel will only turn so far in either direction before it hits a stop. Before using the GoTow determine this stop angle so you can avoid exceeding it while using the GoTow.



Stand on the operator platform with both feet so that all your body weight is on the drive tire. Select forward or reverse on your drill for the proper direction of travel. Gently squeeze the drill trigger to start movement. Steer with one hand on the handle bars while operating the drill with your other hand. When the plane is in the desired location, release the drill trigger and the plane will come to a stop.

Stow your chocks



Lubrication



Every month or as needed apply 2 pumps of grease to the grease fitting on the drive head as shown. Also from time to time apply a light coating of grease to the outside of the lug tubes and the diagonal slot on the tow arm.

WARRANTY, SERVICE, AND RETURNS:

One-Year Warranty

Innoquest, Inc. (“Innoquest”) warrants this product to be free from defects in materials and workmanship under normal use for a period of one (1) year from date of purchase. This warranty extends only to the original purchaser and shall not apply to any product which, in Innoquest’s sole opinion, has been subject to misuse, alteration, abuse, or abnormal conditions of operation or handling. Innoquest’s obligation under this warranty is limited to repair or replacement of the product which is returned to Innoquest. Innoquest accepts no liability for whatever damages may be caused by a malfunctioning product.

Repair & Service Policy

Products returned to Innoquest for repair or service must follow these guidelines: Return of the product for warranty repair or service is the responsibility of the purchaser. Return of the product for non-warranty repair or service, also the purchaser’s responsibility, will carry a charge of \$35 for assessing the product’s repair needs. Further work will not be completed without the purchaser’s approval.

Return Procedure

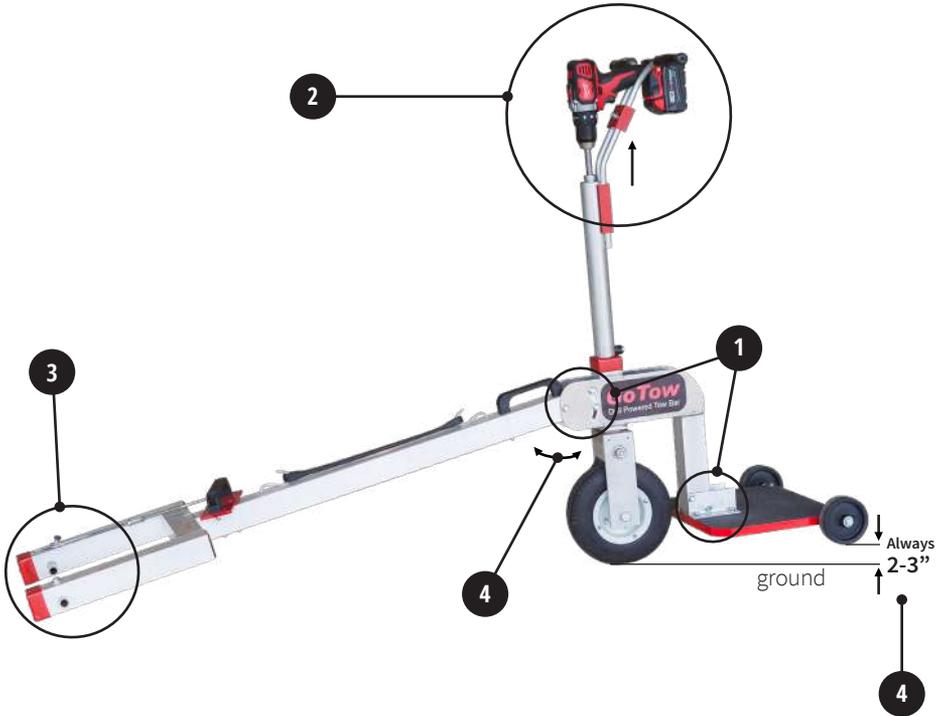
All returns, regardless of reason, must have a Return Merchandise Authorization (“RMA”) number. The purchaser must call Innoquest at (815) 337-8555 to obtain the RMA number prior to sending any merchandise back. The RMA number must be displayed on the outside of the shipping carton. All shipping charges will be paid by the purchaser. Innoquest is not responsible for any package that is returned without a valid RMA number or for the loss of the package by any shipping company.

Return for Refund Policy

We only accept returns of products purchased directly from Innoquest. Please return all other products to the original place of purchase. A restocking fee (the greater of 15% of the purchase price or \$35) will apply to any returns sent back to Innoquest for a refund. For a refund, the product must be in the original sealed packaging provided by Innoquest. If the unit was opened but is completely functional and returned in good condition as determined by Innoquest, a repackaging fee not to exceed \$25 will be added to the restocking fee. No refund will be given for damaged products.

QUICK START GUIDE

- 1 Assemble unit with 5/16-18 x 7/8 hex bolts
- 2 Attach drill and slide handle bars upward to cradle drill handle
- 3 Attach to airplane by adjusting lugs
- 4 Adjust pivot angle so transport wheels are always 2-3 inches above the ground



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