

World's Best Drywall Lifts™ by **PARAGON PRO** MANUFACTURING SOLUTIONS, USA This product is under the patent: #8424884B1-100

**PANEL LIFT** Brand

# **HANG PRO**™

## **OPERATOR'S MANUAL**

### MODEL 100 Drywall Lift



### ⚠ **WARNING** ⚠

**Read and become familiar with this manual BEFORE operating unit.**

Before operating this equipment, thoroughly read this set of instructions, make sure you understand them, and only then follow the step-by-step directions. Failure to do so could result in serious property damage and / or serious bodily injury.

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To our valued customer,

Thank you for choosing a **Telpro Inc.** product by **PARAGON PRO** Manufacturing Solutions. We are pleased that we are able to provide equipment to make your work easier.

Our efforts are focused on producing the finest quality equipment of which we are capable. We make sure to spend extra time and effort on our design and production in order to reduce your time and effort spent using the product.

We take pride in providing the best for our customers. Quality, innovation, and excellence are all qualities this company ensures. No product is sent without being factory tested and inspected to ensure the highest quality for you.

It all began in 1972 when Roland Young designed our first product, the PANEL-LIFT® Brand Drywall Lift, and revolutionized the drywall industry. To this day we are continuously making advancements in manufacturing and design.

Thank you again for giving us the opportunity to work with you. Any questions or comments that you have are always welcome.

**PARAGON PRO**  
MANUFACTURING SOLUTIONS

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ALL PHOTOS ARE FOR ILLUSTRATIVE PURPOSES ONLY.

ALWAYS WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT.

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# WARNING

**Read and follow these warnings and the instructions that follow. Failure to do so could result in serious property damage and/or serious bodily injury.**

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**BEFORE** operating the HangPro Drywall Lift, thoroughly read this booklet, make sure you understand it, and only then by following the step-by-step instructions.

**FAILURE TO READ AND FOLLOW THESE INSTRUCTIONS** could result in property damage, accident and/or serious bodily injury.

- Use the HangPro Drywall Lift 100 only for its intended purposes.
- It is very important to maintain the HangPro Drywall Lift 100 properly. Check the tires for inflation of 15 psi. Check the cable for wear and check all moving parts for obstructions or excessive wear. Do not attempt to use if any part is missing, damaged or worn.
- Keep the HangPro Drywall Lift 100 **AWAY FROM LIVE ELECTRICAL WIRES** as the lift is made of steel and conducts electricity.
- Load only one panel Maximum 150lbs. (68kg) on the lift at a time.
- **NEVER CLIMB ON OR STEP ON** the lift.
- Always keep the cradle in the lowered position while moving the lift.
- Raise the loaded cradle only when the lift is on its caster rollers and leaned against a wall.
- **DO NOT PUT YOUR HANDS OR FINGERS NEAR THE CABLE** when operating winch.
- Always return the cradle to the lowered position after hanging the panel and before moving the lift.
- In the event of broken or worn parts, use only factory replacement parts. Installation of unauthorized parts voids the warranty and may result in equipment failure and/or serious injury.
- Always wear a hard hat when operating the lift, failure to do so may result in serious injury.

TOOLS NEEDED/ HARDWARE INCLUDED/ SPECIFICATIONS

TOOLS NEEDED:

- 13 mm Wrench
- 13 mm socket & Ratchet & Extension
- 14 mm Wrench for Cable Keeper
- 18 mm Wrench for Winch Handle
- Vice Grip or C Clamp to hold Cradle in place
- Needle Nose Pliers for Cotter Key Installation on Wheels
- Impact Driver (Optional)

HAREWARE INCLUDED:

*Inspect box to be sure all contents are included and undamaged.*

Bolts:		Nuts:	Cotter Keys
Quantity	Size	15	4
5	8x35		
25	8x20		
1	8x70		

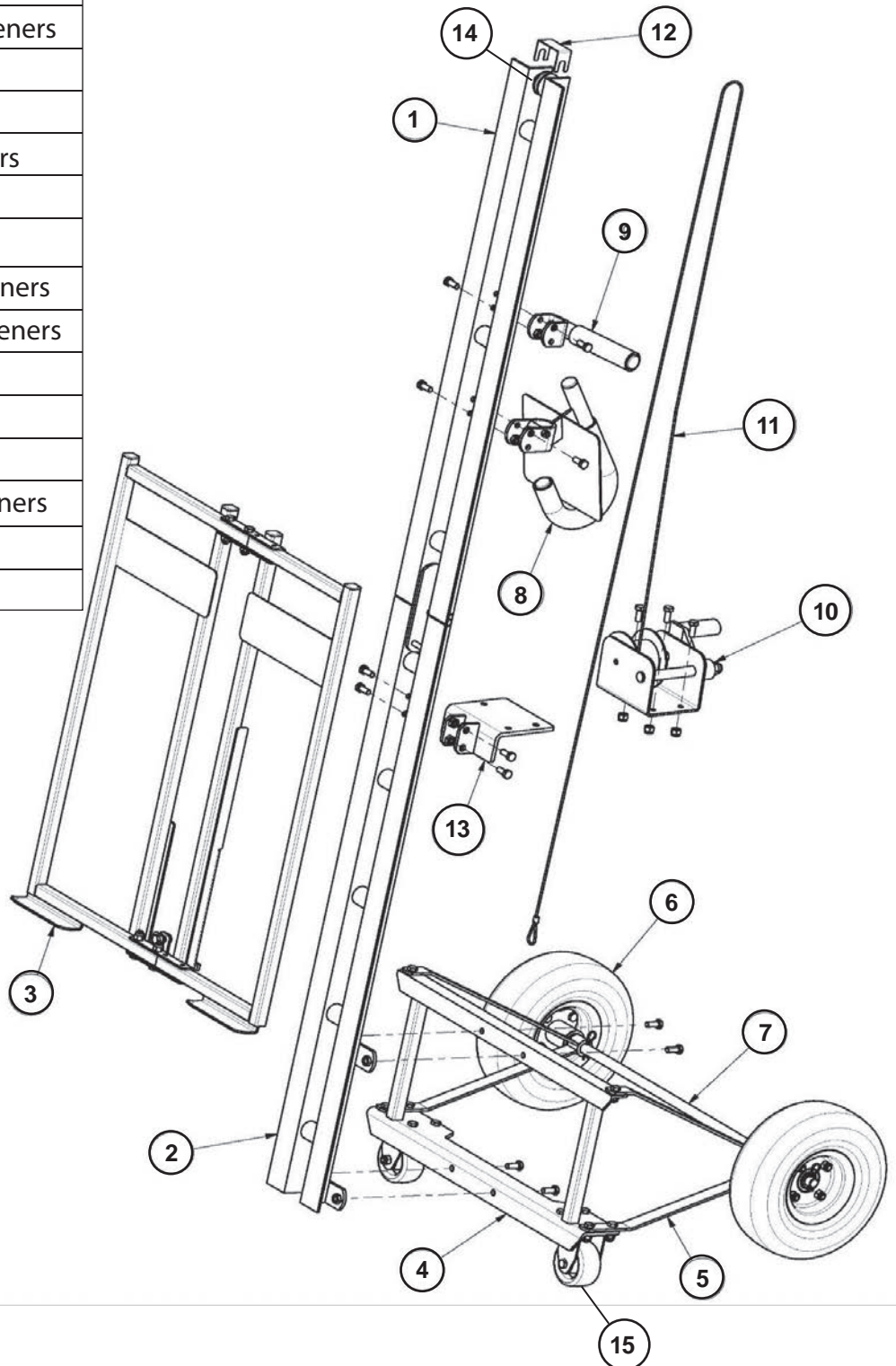
Total of 50 Pieces (Extra hardware included)

SPECIFICATIONS:

Maximum Lift Height:	10 ft.
Maximum Panel Load Weight:	150 lbs. (68kg)
Maximum Panel Size:	4' x 16' x 1/2"
Panel Quantity Capacity:	1
Panel Loading Height:	2-4 inches
Weight of Assembled Lift:	79 lbs.

# HANGPRO DRYWALL LIFT

1	Main Frame Upper Assembly w/Fasteners
2	Main Frame Lower Assembly w/Fasteners
3	100 Cradle Assembly
4	Roller Frame Assembly w/Fasteners
5	100 Axle Frame Assembly w/Fasteners
6	100 Rear Tire Assembly w/Fasteners
7	100 Axle Assembly w/Fasteners
8	Operating Handle Assembly w/Fasteners
9	Secondary Handle Assembly w/ Fasteners
10	100 Winch Assembly w/Fasteners
11	100 Cable Assembly w/Fasteners
12	100 Cable Keeper w/Fasteners
13	100 Winch Mount Assembly w/Fasteners
14	Cable Sheave w/Fasteners
15	Roller Frame Caster w/Fasteners



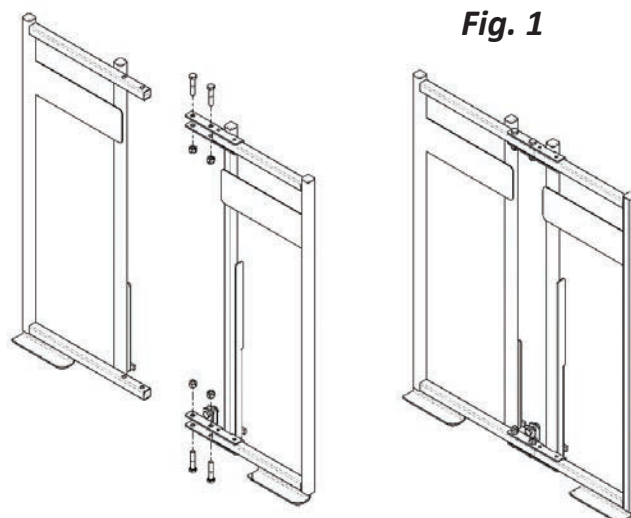
## ASSEMBLY INSTRUCTIONS

### Step 1:

Lay the two halves of the cradle on a **flat** surface.

Attach halves together by using four M8X35mm bolt and nuts as shown in *Figure A* but do not tighten the nuts. Place the two wheels on a flat surface and lay cradle on top of the wheels with the ledges facing down. Press down on the outside edges of the cradle sides until there is slight movement.

Tighten the four nuts on the cradle and set cradle aside.



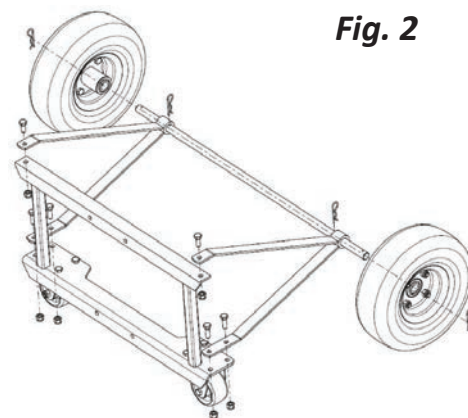
**Fig. 1**

### Step 2:

With the **long leg** of the axle frame on top, attach the two axle frames to the roller frame.

Use two M8X20mm bolts and nuts on the upper legs and four M8X20mm bolts and nuts on the lower legs.

Push the Axle through the axle frame. Attach wheels by using pliers to insert the four cotter keys as shown in *Figure B*.



**Fig. 2**

### Step 3:

Attach upper and lower frames using one M8X70mm bolt and nut and two M8X20mm bolts as shown in *Figure C*.

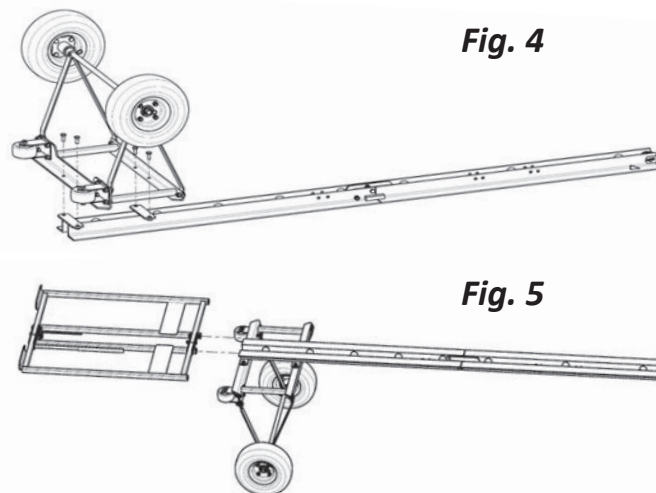


**Fig. 3**

### Step 4:

Attach the roller frame to the main frame using four M8X20mm bolts as shown in Figure 5.

Turn the lift over so the wheels are on a flat surface. Slide the cradle onto the main frame as shown in Figure 6. Before raising the lift to an upright position, clamp a vise grip or C clamp onto the lower main frame below the cradle to hold the cradle up off the floor.



**Fig. 4**

**Fig. 5**



## ASSEMBLY INSTRUCTIONS CONTINUED

### Step 5:

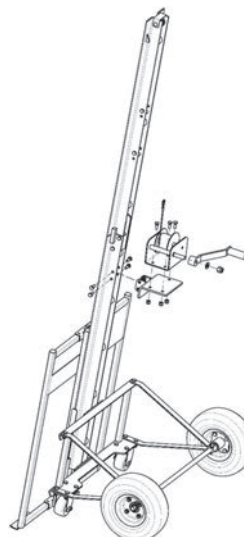
Attach winch mount to main frame using four M8x20mm bolts.

Attach winch to winch mount using a washer, three M8X20mm bolts and nuts as shown in *Figure 6*

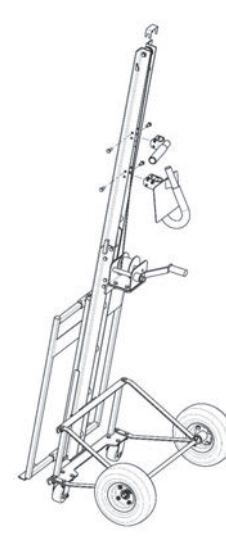
Remove bolt, washer, spring and sleeve from winch drive and install winch handle. Replace bolt, washer, spring and sleeve as shown in *Figure 6*

Attach main and secondary operating handles to main frame using two M8x20mm bolts in each handle as shown in *Figure 7*. Secondary handle can be left or right. Unwind some cable and thread it under the handles as shown in *figure 8*.

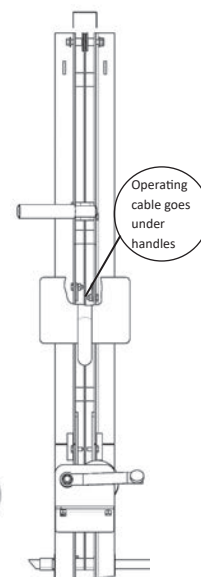
**Fig. 6**



**Fig. 7**



**Fig. 8**

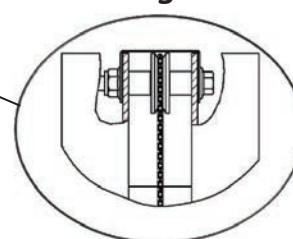


### Step 6:

At the top of the main frame, loosen the nut that holds the pulley and cable keeper. Do not remove the bolt. Lift the cable keeper off and thread cable over the top of the pulley so the cable is resting in the middle of the pulley. Unwind all cable from winch and pull cable down the front of the lift. Thread cable between the main frame and the cradle as shown in *Figure 11*

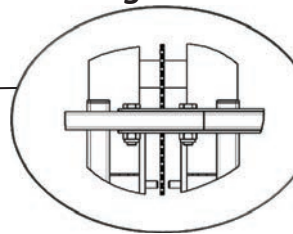
Using one M8X20mm bolt attach cable loop to the cradle as shown in *Figure 10*. Remove clamp from lower main frame. Reinstall cable keeper as shown in *Figure 9*.

**Fig. 9**



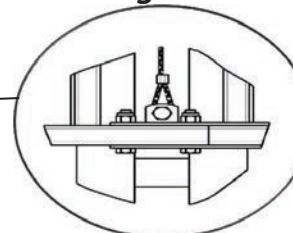
*Fig. 9 shows properly installed cable and cable keeper.*

**Fig. 10**

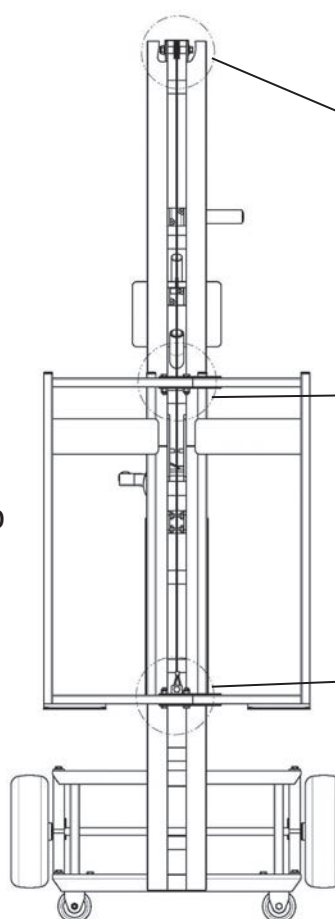


*Fig. 10 shows proper cable routing on the front side of lift (cable travels between main frame and cradle).*

**Fig. 11**



*Attach cable loop to lower cradle.*



**Now your HangPro Drywall Lift 100 is ready to start hanging drywall the easy way!**



**Being familiar with each component of the lift will help the user operate the lift more efficiently and safely.**

### 1. WHEELS AND CASTERS

The large rubber wheels are used when the lift is leaned back and pushed like a hand truck. The casters are used to move the lift side-to-side for precise positioning of the panel on a wall or when transporting a panel including through a doorway or hallway.

### 2. CRADLE AND LEDGES

The cradle is located at the front of the lift and holds the panel when it is being transported or lifted. When loading a panel the cradle is in the lowered position and the panel is shifted onto the cradle ledges. When transporting a panel the cradle should be about 12 inches off the floor. Turning the winch handle raises and lowers the cradle.

### 3. MAIN FRAMES

The cradle rides up and down the upper and lower main frames. The upper frame can be pivoted forward to fold the lift in half for easier transport.

### 4. WINCH CABLE

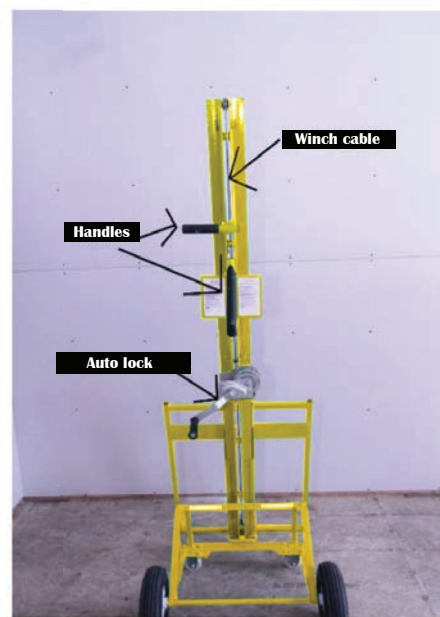
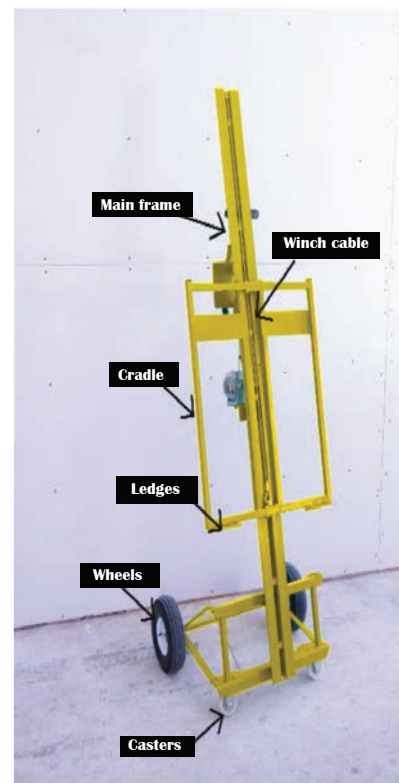
The winch cable is threaded under both handles and over the pulley located at the top of the upper main frame. The cable is then threaded under the cradle and the loop is secured to the bottom of the cradle.

### 5. AUTO-LOCK HAND WINCH

The winch handle is turned clockwise to raise or counter clockwise to lower the cradle. The auto lock winch is designed to hold the cradle and panel in a precise position.

### 6. HANDLES

The curved handle is held when moving the lift. The straight handle is held when turning the winch handle and is an additional point of contact when needed. This handle can be attached either right or left handed. It is important to use these handles properly when moving or positioning the lift to prevent accidents.



## OPERATING INSTRUCTIONS

### PREPARING DRYWALL PANELS:

Dry panels are typically stocked leaning horizontally in small stacks against walls. When the drywall bundle is opened the first panel has to be flipped around so the good side of the panel is facing out.

### LOADING A PANEL:

Center the lift on the panel and position about an inch away from the panel. Turn the winch handle counter clockwise until the cradle is lowered near the floor. The operator walks to one end of the panel and lifts it slightly to shift the panel onto the cradle ledges. Lean the panel back against the lift.



### TRANSPORTING:

Turn the winch handle clockwise to raise the panel about 12 inches off the floor. With one hand holding the curved handle and the other hand gripping the top edge of the panel lean the lift back slightly onto the rubber wheels and push like a hand truck. Lean the lift forward onto the casters to transport the loaded lift through doorways and hallways.

### POSITIONING:

Move the lift with a loaded panel to the location that needs hung. Position the lift so the casters are 8 to 12 inches away from the wall. While standing at the back of the lift carefully lean the lift and panel forward onto the casters and against the wall. The lift will not kick away from the wall because the casters do not pivot.



### LIFTING AND HOLDING:

With a firm grip on the straight handle, turn the winch handle clockwise to raise the panel. The winch auto locks and the panel will be held securely against the wall.

### CAUTION:

Do not raise the panel over 24 inches unless the lift is on the casters and the panel is leaning against the wall.



## OPERATING INSTRUCTIONS CONTINUED

### USING THE CASTERS FOR PRECISE POSITIONING:

When the lift is leaned forward onto the casters it can be moved side-to-side for precise positioning before or after lifting the panel.

### REMOVING THE LIFT AFTER PANEL IS SECURED:

Install screws along the top edge of the panel until secured. Turn the winch handle counter clockwise to lower the cradle before moving the lift.



### TRANSPORTING THROUGH A DOORWAY OR HALLWAY:

Load a panel as described on prior page. Turn the winch handle clockwise to raise the panel 6 to 12 inches off the floor. With one hand on the curved handle and the other gripping the top edge of the panel lean the lift and panel forward onto the casters. Position the lift so the end of the panel is pointing towards the doorway or hallway. Push the lift sideways on the casters.

### FOLDING FOR TRANSPORTATION:

On the lower main frame locate the upper bolts. Remove the two upper bolts and the upper main frame can be carefully pivoted forward. The upper main frame is not separated from the lower main frame. As the upper main frame is folded forward turn the winch handle clockwise to unwind all the cable.

If transporting but not folding over, lower the cradle and put a clamp on the upper main frame so the cradle does not move during transportation.



## SAFETY INFORMATION

This product contains trace amounts of the following items which are known to cause.  
These chemicals are not hazardous under product's intended use.  
Please review CAS# for more information.

Chemical	Hazard	CAS#	% By Weight
Arsenic	Cancer	7440-38-2	Trace
Cadmium	Developmental	7440-43-9	Trace
Chromium	Cancer, Developmental	7440-47-3	Trace
Ethylbenzene	Cancer	100-41-4	Trace
Lead	Cancer	7439-92-1	Trace
Methanol	Developmental	67-56-1	Trace
Methylene Chloride (Dichloromethane)	Cancer	75-09-2	Trace
Nickel	Cancer	7440-02-0	Trace
Propylene glycol monobutyl ether	Cancer	5131-66-8	Trace
Toluene	Developmental	108-88-3	Trace
Carbon Black	Cancer	1333-86-4	Trace



## WARRANTY

### PARAGON PRO MANUFACTURING SOLUTIONS INC LIMITED WARRANTY

TELPRO INC products manufactured by PARAGON PRO MANUFACTURING SOLUTIONS INC are warranted to be free from defects in material and workmanship under normal use for one year from date of purchase.

NOTE: The following components of the PANELLIFT® Model 439 Drywall Lift are warranted to be free from defects in material and workmanship under normal use for three years from date of purchase.

Part#	Description		
52-03	#35 chain assembly	52-05	#40 chain assembly
52-07	#50 chain assembly	52-09	1 1/4" #50 roller assembly
52-10	#Outer planet set w/ bronze	52-11	Drive assembly
52-11	#1/2" x 2 1/4" Shoulder bolt w/ fastners	52-15	Clutch assembly w/sprocket
52-16	#40 Winch drive chain		

If a TELPRO INC product is proven to be defective in material or workmanship within the covered time frame from the date of purchase, return the defective part to PARAGON PRO MANUFACTURING SOLUTIONS INC and we will either repair or replace the part at our option. We will neither assume nor authorize any other person to assume for us any other liability.

Written notice including commercial invoice detailing the nature of the defect, date of purchase, and the company from which you purchased your unit must be received and acknowledged by PARAGON PRO MANUFACTURING SOLUTIONS INC before any units may be returned. Shipping costs shall be the responsibility of the product purchaser.

This warranty shall not apply to any equipment that has been repaired or altered outside of the factory in any way so as in our judgment to affect its stability or reliability nor which has been subjected to abuse, misuse, or negligence.

PARAGON PRO MANUFACTURING SOLUTIONS INC reserves the right to make changes or improvements in design without incurring obligation to install the same on previous units.

PARAGON PRO MANUFACTURING SOLUTIONS INC shall not be liable for loss, damage, or expense directly or indirectly from use of its products, their transportation, their repair, or from any other cause. Acceptance of the manufacturer's product constitutes agreement to the terms of this warranty and further that the manufacturer shall have no liability for any special or consequential damages.

This Warranty is in lieu of all warranties express or implied.

Fill in the following information, attach a copy of your sales receipt or invoice and file in a safe place.

Date of purchase: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

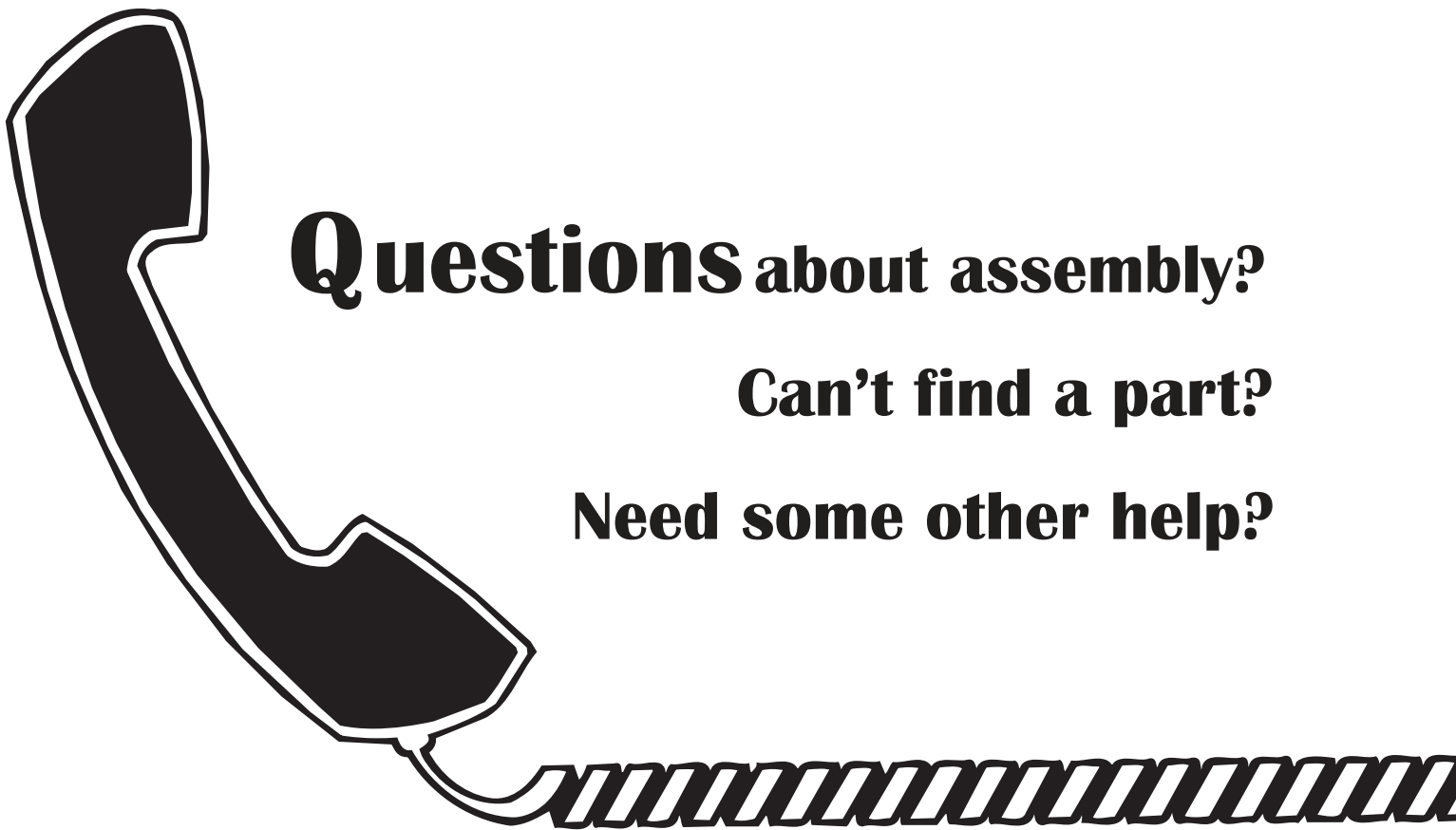
Name& model# \_\_\_\_\_

Serial #: \_\_\_\_\_









**Questions about assembly?**

**Can't find a part?**

**Need some other help?**

Call us: **PARAGON PRO**  
MANUFACTURING SOLUTIONS

**1.800.448.0822**

**701.775.0551**

**We'll get you set up!**