



MHBHW16A

Model Number: HBHW16,
HBHXLW16

Owner's Manual

Hydra Buddy™ Hydraulic Power Pack Wheel Kit

ASSEMBLY AND OPERATION

About Your Hydraulic Power Pack Wheel Kit

Product Suitability and Limitations

These wheel kits are designed for use with Hydra Buddy™ Hydraulic Power Pack HBH16GC, HBH16GX, and HBHXL16GX. It is designed to aid movement, by hand of the Hydraulic Power Pack.

The technical specifications for your Hydraulic Power Pack Wheel Kit are provided in the “Specifications” section of this manual. Note that, hydraulic products often previously followed standards/specifications originated by the Hydraulic Tool Manufacturers Association, which no longer exists.

Contact Hydra Buddy™ Customer Service at 1-800-822-0295 about the appropriate use of this Hydraulic Power Pack Wheel Kit, optional accessories or any other questions.

Warranty Registration

Please fill in the warranty registration information in the back of this manual and have it on hand when you call in about a warranty claim or for replacement parts you may need.

WARNING

Read and understand this owner's manual completely before using the Hydraulic Power Pack Wheel Kit. Improper use of the Hydraulic Power Pack Wheel Kit could result in serious injury for the operator or nearby persons/animals.

Renting or Loaning

NOTICE: Make Owner's Manual Available

All persons to whom you rent/loan the Hydraulic Power Pack Wheel Kit must have access to and read this manual.

Keep this owner's manual with the Hydraulic Power Pack Wheel Kit at all times and advise all persons who will operate the product to read it. You must also provide instructions on how to safely operate the wheel kit and remain available to answer any questions a renter/borrower might have.

Any Questions, Comments, Problems, or Parts Orders
Call your dealer or Hydra Buddy™ Customer Service 1-800-822-0295

Table of Contents

About Your Hydraulic Power Pack Wheel Kit.....	1
Product Suitability and Limitations.....	1
Warranty Registration.....	1
Renting or Loaning.....	1
Receiving and Transporting.....	3
Specifications	3
Unpacking.....	4
Unpacking Cont'd	5
Machine Component Identification	5
Safety	6
Hazard Signal Word Definitions	6
Assembly	7
1. Position the hydraulic power pack onto wood or blocks to lift for assembly	7
2. Installing the rubber feet to the wheel kit foot.....	8
Parts Required:	8
3. Attach the wheel kit foot to the hydraulic power pack tank brackets	9
Parts Required:	9
4. Attach the wheels to the hydraulic power pack (engine end).....	10
Parts Required:	10
5. Attach the rubber stoppers to the wheel kit handle	11
6. Attach the cotterless pin to the lanyard	12
7. Attach the handle to the hydraulic power pack frame.....	13
Using the Hydraulic Power Pack Wheel Kit.....	14
1. Inspect/Repair.....	14
2. Replacement Parts.....	14
3. Moving the Hydraulic Power Pack with Wheel Kit	14
4. Safety Information	14
Summary of Important Safety Information	15
General	15
Prohibition Against Modifications	15
Safety – Before Use.....	15
Getting Ready	15
Safety – During Use	15
Safety – After Use	16
Safety – Inspection/Maintenance	16
HBHW16 & HBHXLW16 Exploded View/Parts List – Rev A	17
Limited Warranty Policy	19

Receiving and Transporting

Initial Inspection: Regardless of the source, immediately inspect the Hydraulic Power Pack Wheel Kit for damage or any missing components. *See the “Unpacking” and “Machine Component Identification” sections of this manual for diagrams of the Hydraulic Power Pack Wheel Kit and its components.*

Your purchase will result in delivery through one of the following sources:

Truck Delivery	<u>Note:</u> <i>Shipping damage claims are not covered by Hydra Buddy™ warranty.</i> For any shipping damage, make sure the delivery driver acknowledges the damage and notes the damage on the shipping documents. Please contact Hydra Buddy™ Customer Service to report the damage so a claim can be filed with the carrier on your behalf. Some assembly may be required with truck delivery. This is detailed in the “Assembly” section.
Store Purchase From a Dealer	Some assembly may be required. This is detailed in the “Assembly” section. Your unit should have been delivered completely assembled and ready to run. Read the “Assembly” section and verify that the unit has been properly ‘assembled’ before initial use.

Transporting: The Hydraulic Power Pack with Wheel Kit installed should be secured to prevent rolling and tipping when transporting in a vehicle or trailer.

Specifications

Tire Size	10 in.
Recommended Tire Pressure	14 PSI
Overall Dimensions (boxed)	11” L x 14.75” W x 13.5” H
Weight.....	15 lbs.

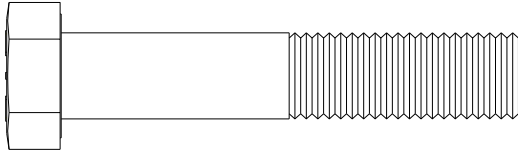
The manufacture reserves the right to make improvements in design and/or changes in specifications at any time without incurring any obligation to install them on units previously sold.

Any Questions, Comments, Problems, or Parts Orders

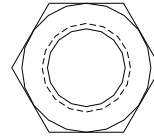
Call your dealer or Hydra Buddy™ Customer Service 1-800-822-0295

Unpacking

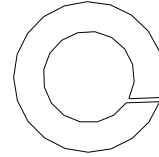
Fastener Inspection: Verify quantities of the fasteners found in the manual bag for assembly.



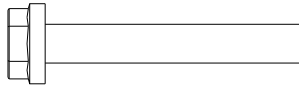
Part # 82124
5/8" X 4" Bolt
(Qty 2)



Part # 82125
5/8" Hex Nut
(Qty 4)



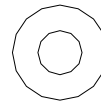
Part # 82127
5/8" Lock Washer
(Qty 2)



Part # 82106
3/8" X 2-1/2" Bolt
(Qty 2)



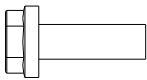
Part # 82027
3/8" Nyloc Nut
(Qty 2)



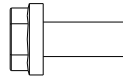
Part # 82028
3/8" Flat Washer
(Qty 4)



Part # 82021
5/16" Flat Washer
(Qty 2)



Part # 82016
5/16" X 1" Bolt
(Qty 2)



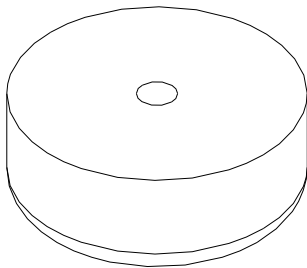
Part # 82015
5/16" X 3/4" Bolt
(Qty 4)



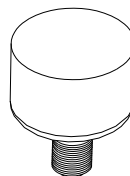
Part # 82019
5/16" Flange Nut
(Qty 4)



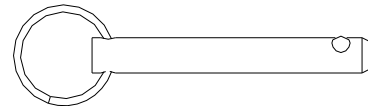
Part # 82020
5/16" Nyloc Nut
(Qty 2)



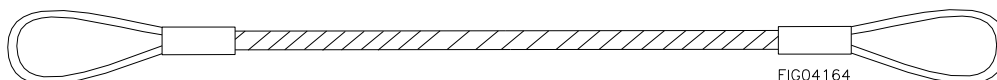
Part # 15431
Rubber Foot
Qty 2



Part # 786488
Rubber Stopper
(Qty 2)



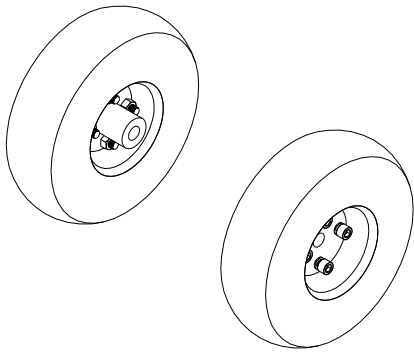
Part # 38070
3/8" Cotterless Pin
(Qty 2)



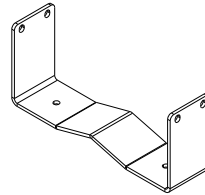
Part # 786756
6" Lanyard
(Qty 2)

FIG04164

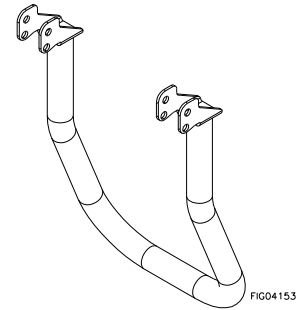
Unpacking Cont'd



Part # 122785
Wheels
(Qty 2)

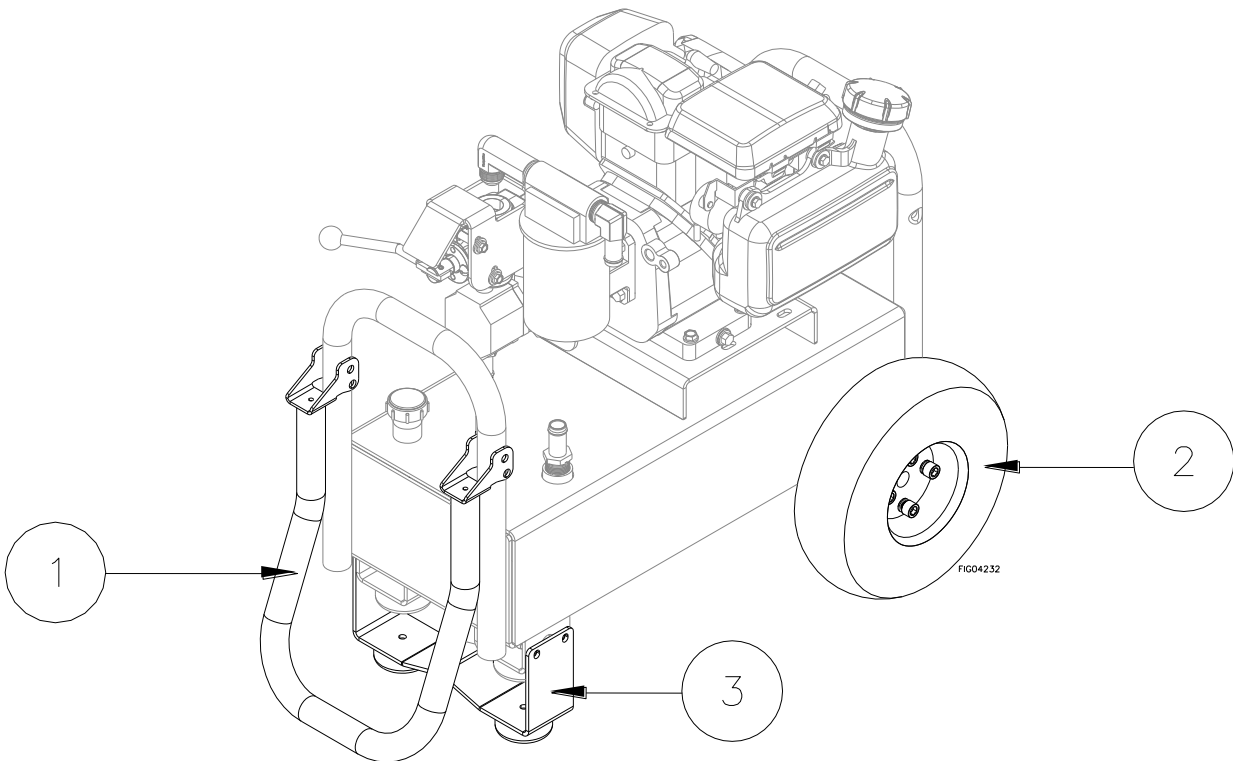


Part # 790631 (HBHW16)
Part # 790630 (HBHXLW16)
Wheel Kit Foot
(Qty 1)



Part # 790633 (HBHW16)
Part # 790632 (HBHXLW16)
Wheel Kit Handle
(Qty 1)

Machine Component Identification



Reference	Part Description
1	Wheel Kit Handle
2	Wheel
3	Wheel Kit Foot

Safety

Hazard Signal Word Definitions



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



DANGER (red) indicates a hazardous situation, which if not avoided, will result in death or serious injury.



WARNING (orange) indicates a hazardous situation, which if not avoided, could result in death or serious injury.



CAUTION (yellow), used with the safety alert symbol, indicates a hazardous situation, which if not avoided, could result in minor or moderate injury.



CAUTION (yellow), without the safety alert symbol, is used to address practices not related to personal injury.



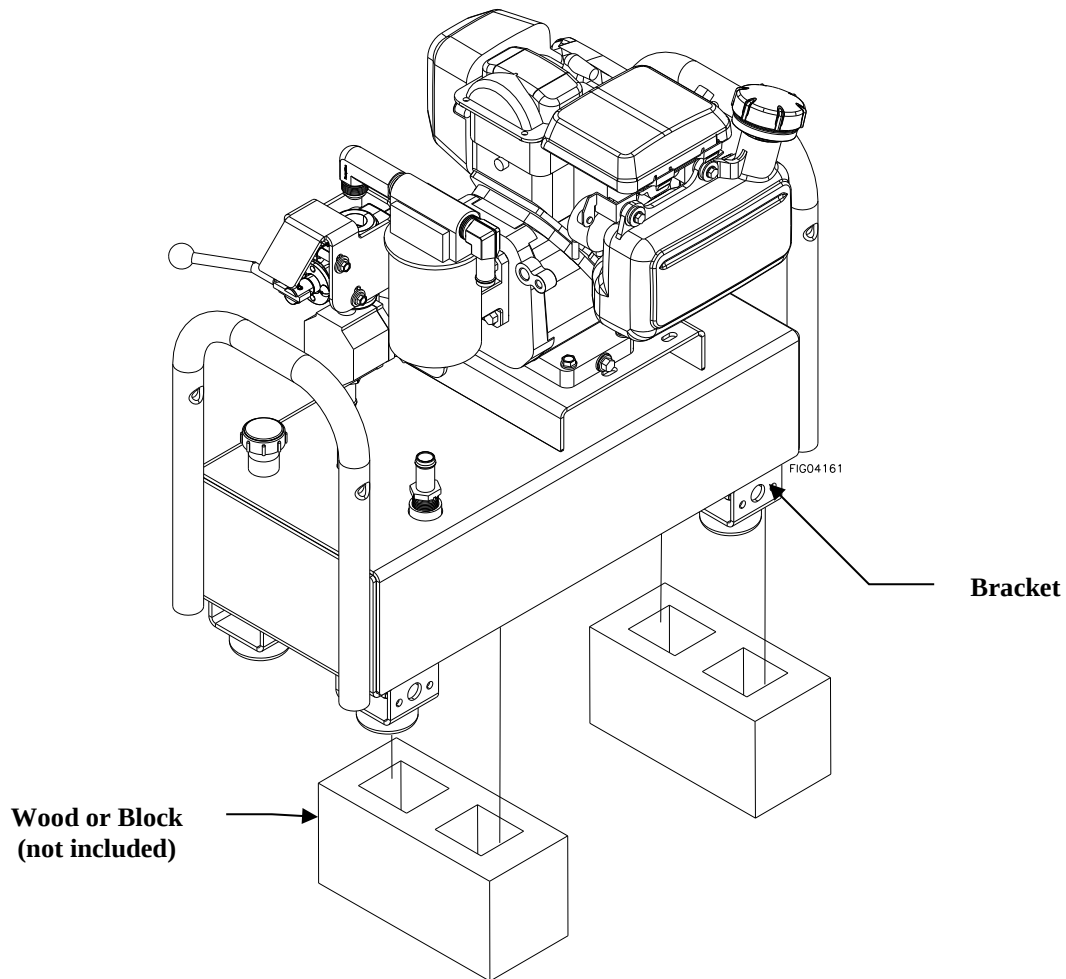
NOTICE is used to address practices not related to personal injury.

Assembly

1. Position the hydraulic power pack onto wood or blocks to lift for assembly
 2. Install the rubber feet to the wheel kit foot
 3. Attach the wheel kit foot to the hydraulic power pack tank brackets (opposite end of engine)
 4. Attach the wheels to the hydraulic power pack (engine end)
 5. Attach the rubber stoppers to the wheel kit handle
 6. Attach the cotterless pin to the lanyard
 7. Attach the handle to the hydraulic power pack frame
- These procedures are discussed in detail below:

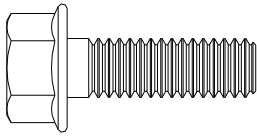
1. Position the hydraulic power pack onto wood or blocks to lift for assembly

- Align the wood or blocks between the brackets on the base of the hydraulic power pack tank.

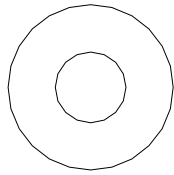


2. Installing the rubber feet to the wheel kit foot

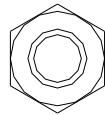
Parts Required:



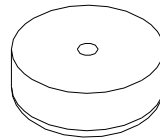
**5/16" X 1" Bolt
(Qty 2)**



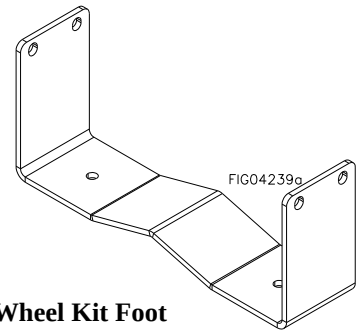
**5/16" Flat Washer
(Qty 2)**



**5/16" Nyloc Nut
(Qty 2)**



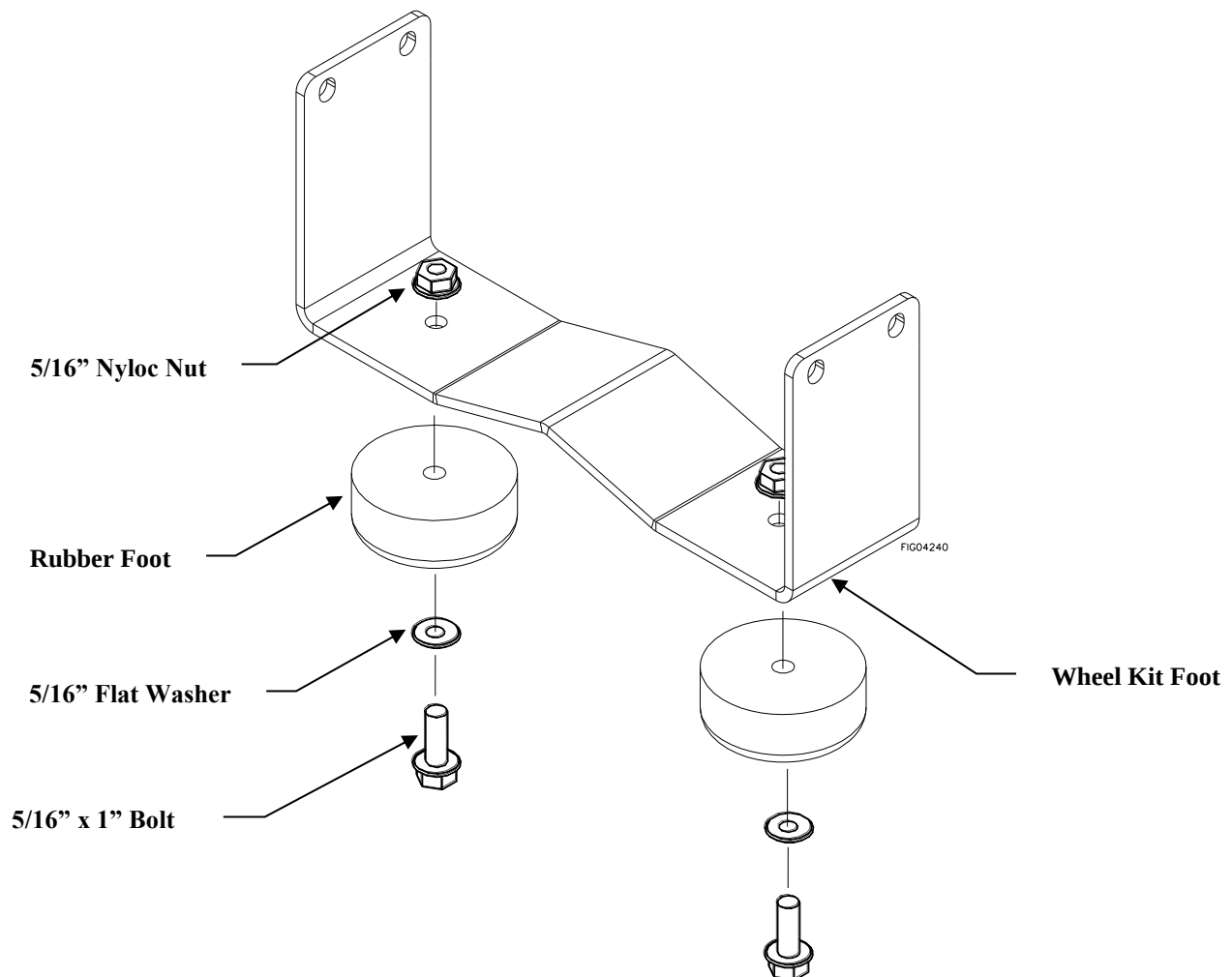
**Rubber Foot
(Qty 2)**



**Wheel Kit Foot
(Qty 1)**

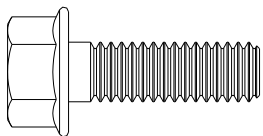
Directions:

- Slide the 5/16" flat washer onto the 5/16" x 1" bolt.
- Insert the 5/16" x 1" bolt through the hole in the rubber foot.
- Insert the rubber foot with bolt and washer into the holes in the wheel kit foot.
- Secure the rubber foot and bolt to the wheel kit foot using the supplied 5/16" nyloc nut.

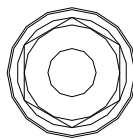


3. Attach the wheel kit foot to the hydraulic power pack tank brackets

Parts Required:



**5/16" X 3/4" Bolt
(Qty 4)**

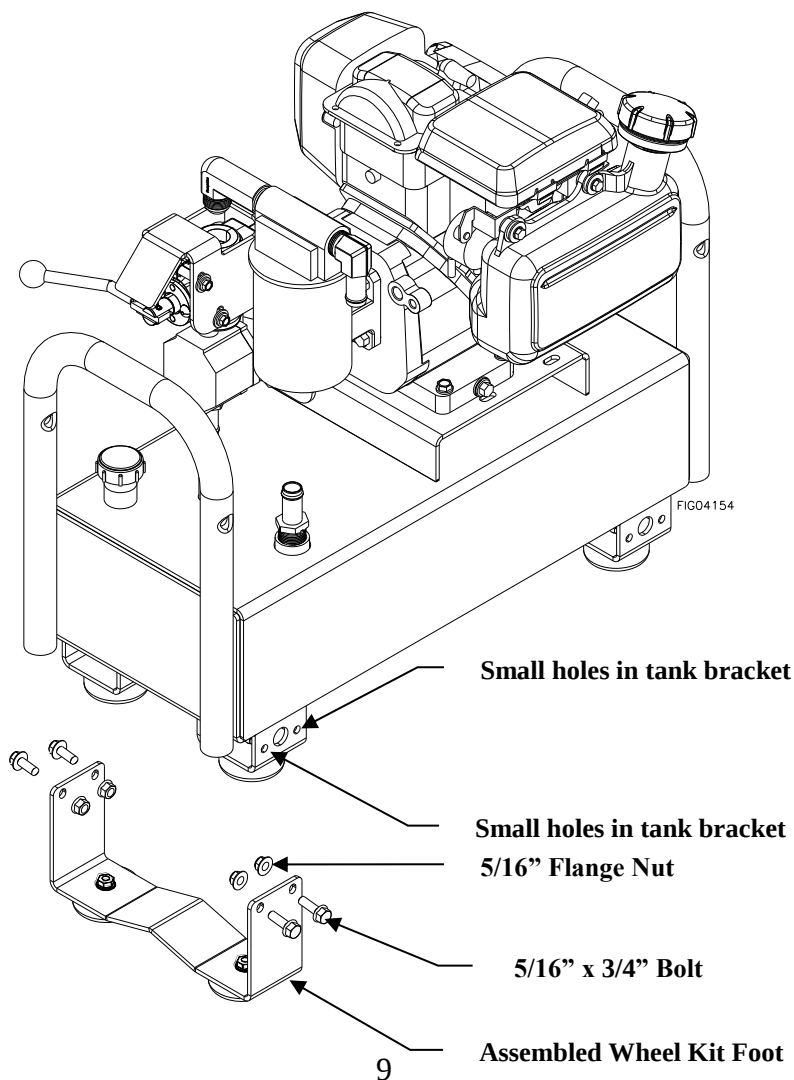


**5/16" Flange Nut
(Qty 4)**

FIG04239b

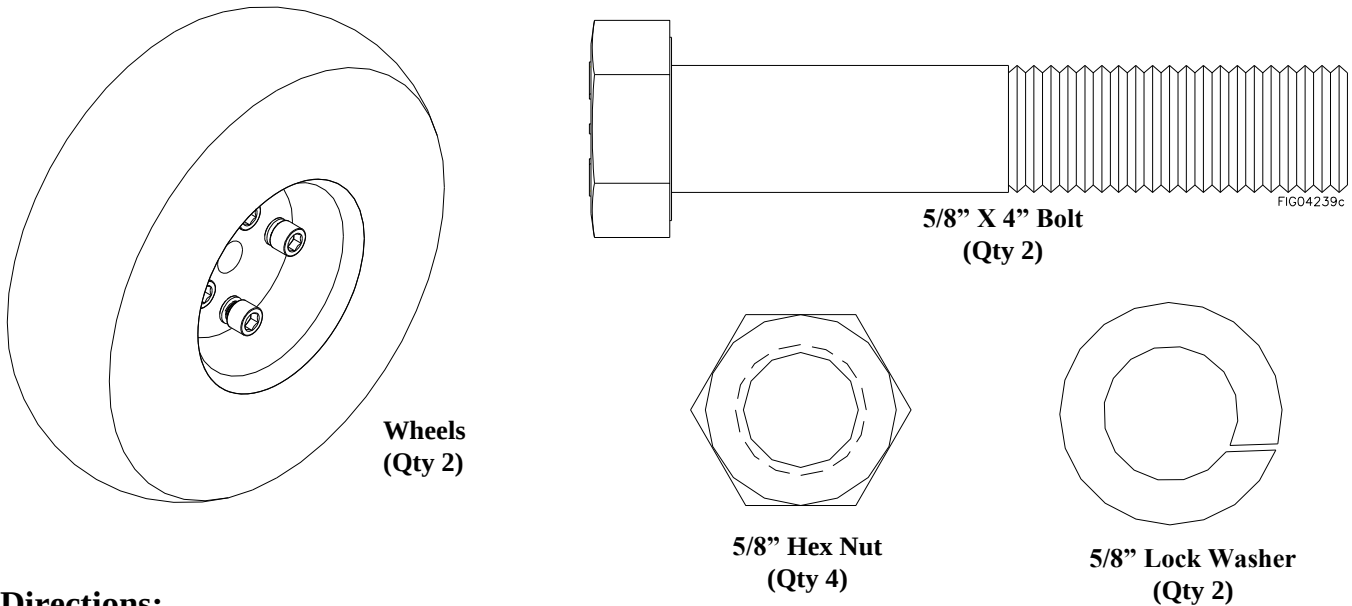
Directions:

- Align the holes in the assembled wheel kit foot with small holes in the hydraulic power pack tank brackets.
- Insert the supplied 5/16" x 3/4" bolts through the holes in the wheel kit foot into the small holes in the tank brackets.
- Secure using the supplied 5/16" flange nuts.



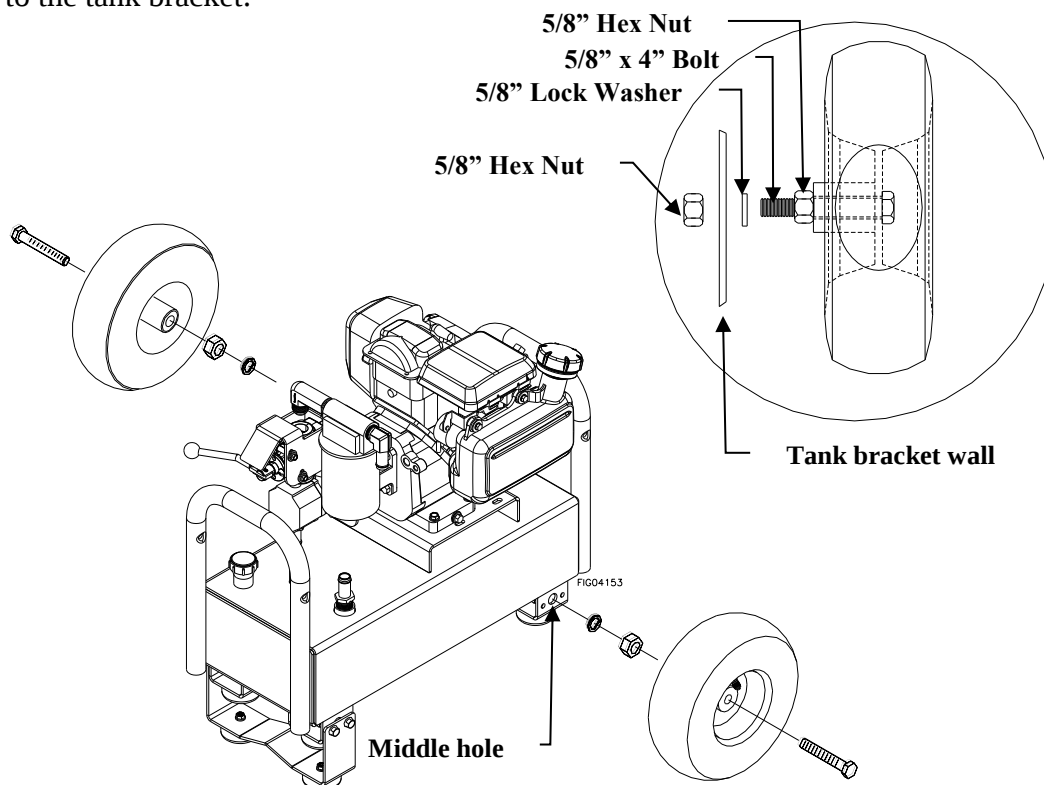
4. Attach the wheels to the hydraulic power pack (engine end)

Parts Required:



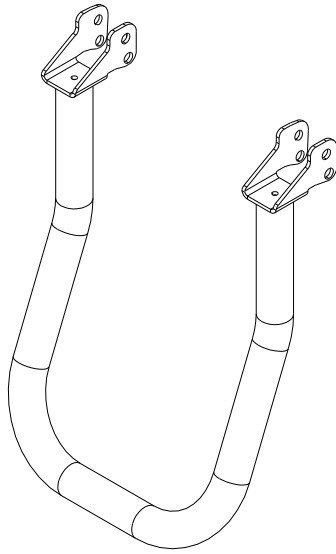
Directions:

- Insert the supplied 5/8" x 4" bolt through the hole in the wheel.
- Thread a supplied 5/8" hex nut onto the 5/8" x 4" bolt in the orientation shown below.
- Slide a supplied 5/8" lock washer onto the 5/8" x 4" bolt.
- Align the wheel with bolt, hex nut and washer to the middle hole on the tank bracket.
- Insert the wheel with bolt, hex nut and washer into the middle hole on the tank bracket.
- Using a supplied 5/8" hex on the inside wall of the bracket, secure the wheel with bolt, hex nut and washer to the tank bracket.

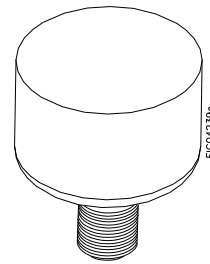


5. Attach the rubber stoppers to the wheel kit handle

Parts Required:



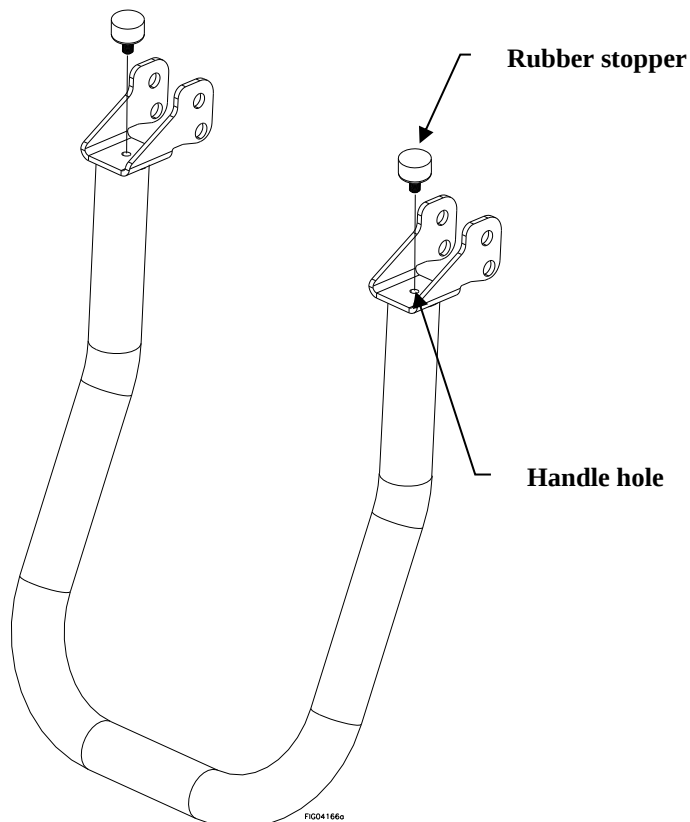
**Wheel Kit Handle
(Qty 1)**



**Rubber Stopper
(Qty 2)**

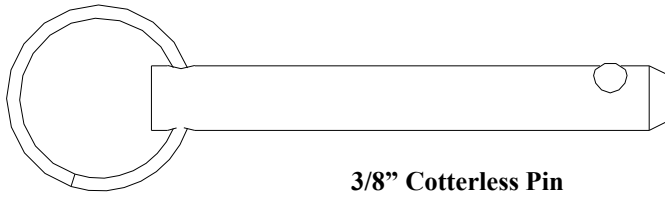
Directions:

- Align the threads on the rubber stopper with the handle hole on the top of the wheel kit handle.
- Thread the rubber stopper into the handle hole on the top of the wheel kit handle.

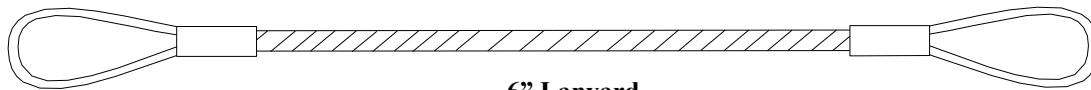


6. Attach the cotterless pin to the lanyard

Parts Required:



**3/8" Cotterless Pin
(Qty 2)**



**6" Lanyard
(Qty 2)**

FIG04239e

Directions:

- Attach the cotterless pin to one of the loops on the lanyard.
- Pull apart the two sections of the cotterless pin ring to slide the loop onto the ring.

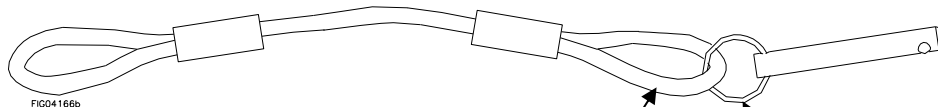


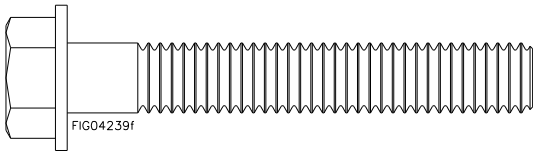
FIG04166b

Lanyard loop

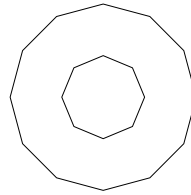
Cotterless pin ring

7. Attach the handle to the hydraulic power pack frame

Parts Required:



3/8" X 2 1/2" Bolt
(Qty 2)



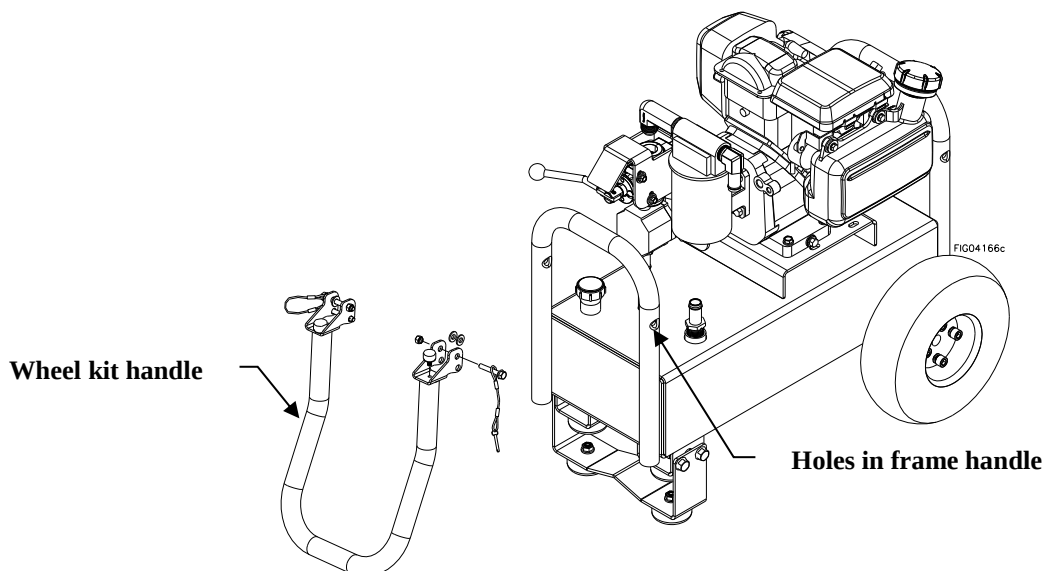
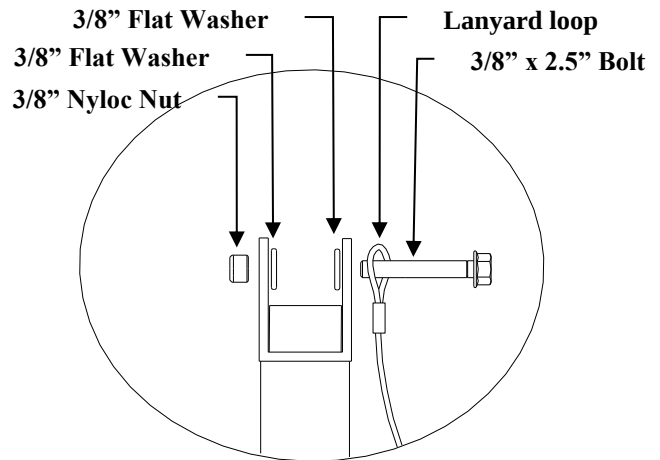
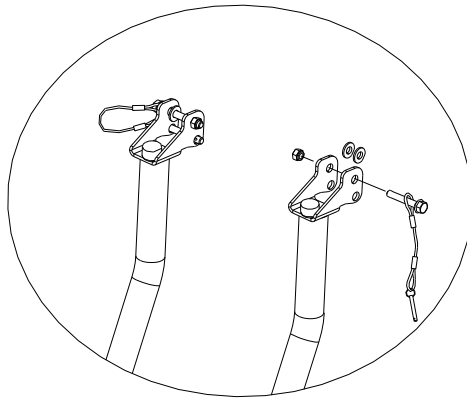
3/8" Flat Washer
(Qty 4)



3/8" Nyloc Nut
(Qty 2)

Directions:

- Align the top row of holes in the wheel kit handle to the holes in the frame handle.
- Slide the end of the lanyard loop without the pin onto the 3/8" x 2 1/2" bolt like shown.
- Insert the 3/8" x 2 1/2" bolt just through the outer hole in the wheel kit handle.
- Slide the 3/8" flat washer onto the 3/8" x 2 1/2" bolt.
- Insert the 3/8" x 2 1/2" bolt just through the holes in the frame handle.
- Slide the 3/8" flat washer onto the 3/8" x 2 1/2" bolt.
- Insert the 3/8" x 2 1/2" bolt all the way through the inner hole in the wheel kit handle.
- Secure using the 3/8" nyloc nut.



Using the Hydraulic Power Pack Wheel Kit

1. Inspect/Repair

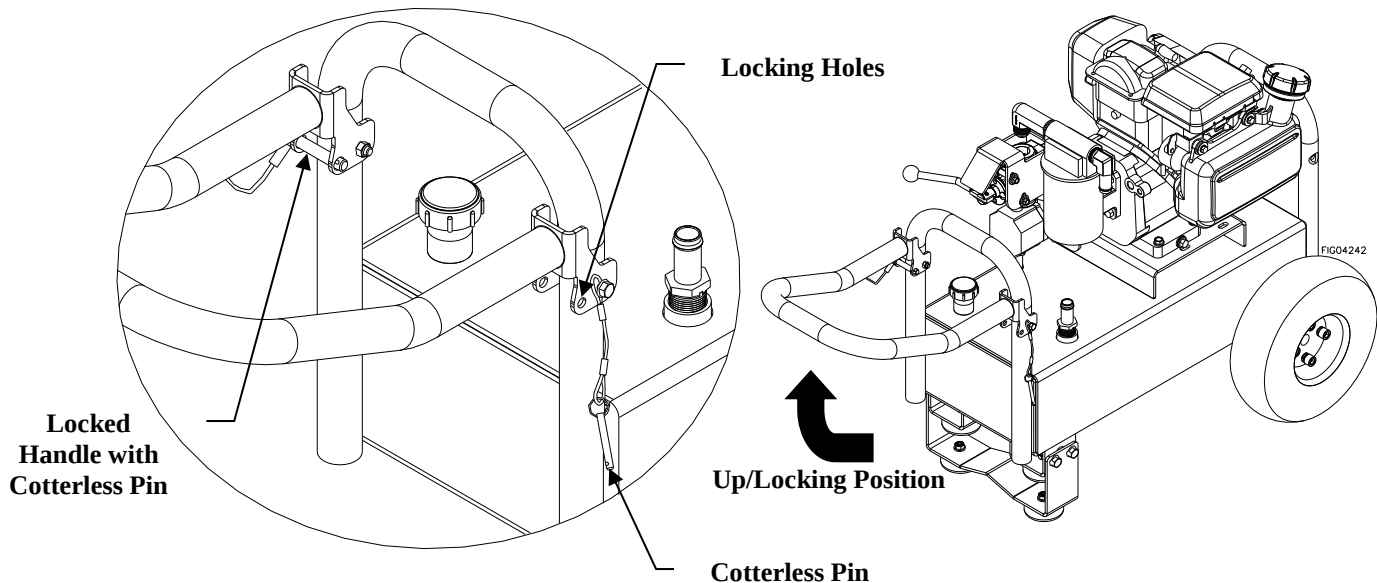
- Inspect and prepare the Hydraulic Power Pack and Wheel Kit before each use.
- Check tires are inflated and in good repair. When adding air to the tires, do not over inflate. Serious injury could occur if tire explodes.
- Check to be sure that all nuts and bolts are tight.

2. Replacement Parts

- If a part needs replacement, only use factory approved repair parts. Replacement parts from secondary suppliers (not original Hydra Buddy™ replacement parts) can lead to product damage and/or personal injury, and will void the warranty. Also, replacement parts that do not meet specifications may result in a safety hazard or poor operation of the Hydraulic Power Pack Wheel Kit. Obtain factory-approved parts from Hydra Buddy™ Customer Service at 1-800-822-0295.

3. Moving the Hydraulic Power Pack with Wheel Kit

- Turn off the Hydraulic Power Pack before moving.
- Pull the wheel kit handle up for the locking position.
- Secure the wheel kit handle in the locking position by inserting the cotterless pin on the end of the lanyard into the locking holes as shown below.
- Grab the handle of the wheel kit to push or pull the Hydraulic Power Pack to the desired location.
- Do not ride or transport cargo on the Hydraulic Power Pack with Wheel Kit.



4. Safety Information

- Review the “Important Safety Information” section provided in this manual.
- Exercise caution when installing components. Follow the steps listed in the “Assembly” section of this manual to properly install the Hydraulic Power Pack Wheel Kit.

WARNING

Read and understand this owner's manual completely before using the Hydraulic Power Pack Wheel Kit. Improper use of the Hydraulic Power Pack Wheel Kit could result in serious injury for the operator or nearby persons/animals.

Summary of Important Safety Information

This section provides a summary of the various safety procedures and measures that have been presented through the manual. Keep this summary handy and refer to it to refresh your memory about how to safely use your Hydraulic Power Pack Wheel Kit.

WARNING:

Carefully read and make sure you understand the following safety information before using the Hydraulic Power Pack Wheel Kit. Improper use or maintenance of the Hydraulic Power Pack Wheel Kit can result in serious injury or death to the operator and/or bystanders from fire/explosion, carbon monoxide poisoning, injection injuries, or burns.

General

Read manual. Read this Owner's Manual and the engine Owner's Manual completely before attempting to use and service the Hydraulic Power Pack Wheel Kit. Serious injury or death can result if safety instructions are not followed.

Instruct operators. The Hydraulic Power Pack Wheel Kit owner or rental company must instruct all operators in safe Hydraulic Power Pack Wheel Kit set-up and operation. Do not allow anyone to operate the Hydraulic Power Pack Wheel Kit who has not read the Owner's Manual and been instructed in its safe use. Make sure Owner's Manual is within the attached storage tube on the Hydraulic Power Pack Wheel Kit.

Adults only. Only trained adults should operate and service the Hydraulic Power Pack Wheel Kit. Do not let children operate.

Under the influence. Never operate, or let anyone else operate, the Hydraulic Power Pack Wheel Kit while under the influence of alcohol, drugs, or medication.

Intended use. Carefully read about and understand the intended use of this Hydraulic Power Pack Wheel Kit. Do not use for other purposes, as unforeseen hazards or equipment damage may result.

Controls and safety labels. Learn how to use the machine and its controls. Understand and follow all safety labels.

Prohibition Against Modifications

Never modify or alter the Hydraulic Power Pack Wheel Kit in any way. Modifications can create serious safety hazards and will also void the warranty.

Safety – Before Use

Know how to operate. Be thoroughly familiar with all controls and with the proper and safe use of the equipment.

Getting Ready

Transporting. When transporting, take precautions to make sure with Hydraulic Power Pack Wheel Kit installed the unit will not tip over and cause a fuel leak hazard. Tie down in upright position during transportation.

Hot exhaust – fires. Exhaust from engine can be extremely hot and cause fire. Position muffler at least 7 feet from combustible objects during operation.

Fire extinguisher. Keeping a fire extinguisher rated “ABC” by the National Fire Protection Association nearby is always recommended when using gasoline-operated machinery. Keep it properly charged and be familiar with its use.

Safety – During Use

Safety equipment/controls. Always operate the Hydraulic Power Pack Wheel Kit with all controls properly adjusted for safe operation.

Damaged. Do not operate the Hydraulic Power Pack Wheel Kit with damaged, missing, incorrectly adjusted, or broken parts.

Adjusting/repairing. Always turn off Hydraulic Power Pack and remove spark plug or spark plug wire before working on the Hydraulic Power Pack Wheel Kit parts to prevent accidental starting.

Safety – After Use

Cool engine before storing. Let engine cool for at least five (5) minutes before storing. A hot engine can be a fire hazard.

Storage location. Store the Hydraulic Power Pack Wheel Kit in a dry location away from sources of heat, open flames, sparks or pilot lights, such as water heaters, space heaters, furnaces, clothes dryers, or other gas appliances, EVEN IF the Hydraulic Power Pack Wheel Kit's gas tank is empty. Residual gasoline could ignite.

Safety – Inspection/Maintenance

Inspect and maintain your Hydraulic Power Pack Wheel Kit on a regular basis and repair as needed to keep it in safe working condition:

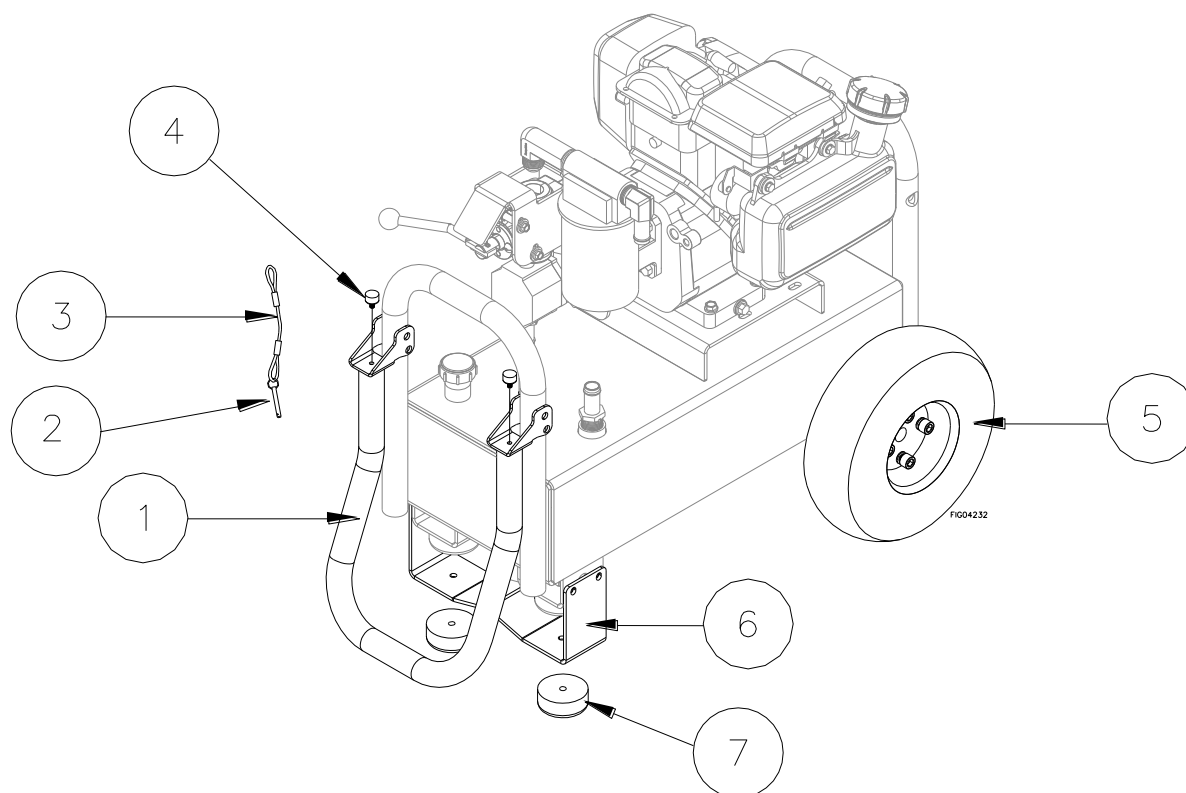
Turn off Hydraulic Power Pack. Always turn off Hydraulic Power Pack and remove spark plug or spark plug wire before working on the engine or Hydraulic Power Pack Wheel Kit parts to prevent accidental starting.

Replacement parts. If a part needs replacement, only use parts that meet the manufacturer's specifications. Replacement parts that do not meet specifications may result in a safety hazard or poor operation of the Hydraulic Power Pack Wheel Kit and will void the warranty.

Any Safety Questions, Comments or Problems

Call your dealer or Hydra Buddy™ Customer Service 1-800-822-0295

HBHW16 & HBXHLW16 Exploded View/Parts List – Rev A



Ref.	Part No.	Description	Qty	Used On
1	790633	Wheel Kit Handle	1	HBHW16
	790632			HBXHLW16
2	38070	Cotterless Pin	1	HBHW16, HBXHLW16
3	786756	Lanyard	1	HBHW16, HBXHLW16
4	786488	Rubber Stopper	2	HBHW16, HBXHLW16
5	789074	Wheel	2	HBHW16, HBXHLW16
6	790631	Wheel Kit Foot	1	HBHW16
	790630			HBXHLW16
7	15431	Rubber Foot	2	HBHW16, HBXHLW16

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Limited Warranty Policy

Dear Valued Customer:

The Brave product you just purchased is built with the finest material and craftsmanship. Use this product properly and enjoy the benefits from its high performance. By purchasing a Brave product, you show a desire for quality and durability. Like all mechanical equipment this unit requires a due amount of care. Treat this unit like the high quality piece of machinery it is. Neglect and improper handling may impair its performance.

Thoroughly read the instructions and understand the operation before using your product. Always contact Brave Product Support at 1-800-350-8739 prior to having any service or warranty work performed, as some services performed by parties other than Brave approved service centers may void this warranty. This limited warranty is in lieu of any other warranty expressed or implied, written or oral and Brave assumes no other responsibility or liability outside that expressed within this limited warranty.

Limited Warranty for Brave and Brave Pro Hydra Buddy Models:

HBH16GC

HBH16GX

HBHXL16GX

	Consumer Warranty Period	Commercial Warranty Period
Weldments		
	2 years from date of purchase by user	2 year from date of purchase by user
Valves and Pumps		
	2 years from date of purchase by user	1 year from date of purchase by user
Wear Parts		
	In addition to the normal warranty, Brave shall warrant some normal wear items from defects in material or workmanship for a period of 30 days from the date of purchase by user. Normal wear items covered under this warranty are limited to: clamps, couplers, filters, mounts, hoses, hardware. Routine maintenance items such as lubricants, clutch adjustments, tune ups are not covered under warranty.	
Engines		
	The engine warranty is covered under the terms and conditions as outlined by the engine manufactures warranty contained herein and is the sole responsibility of the engine manufacturer. Normal engine maintenance such as spark plugs, oil changes, air filters, adjustments, fuel system cleaning and obstruction due to build up is not covered by this Brave limited warranty.	

“Consumer use” means personal residential household use by a consumer. **“Commercial use”** means all other uses, including, but not limited to, use for commercial, income producing or rental purposes or when purchased by a business.

This limited warranty applies to the original purchaser of the equipment (verification of purchase, in the form of a receipt, is the responsibility of the buyer), is non-transferable, and covers parts and labor. Parts will be replaced or repaired at no charge, except when the equipment has failed due to lack of proper maintenance. If a part is no longer available, the part may be replaced with a similar part of equal function. Any misuse, abuse, alteration or improper installation or operations will void warranty. Determining whether a part is to be replaced or repaired is the sole decision of Brave. Brave will not provide for replacement of complete products due to defective parts. Any costs incurred due to replacement or repair of items outside of a Brave approved facility is the responsibility of the buyer and not covered under warranty. Transportation costs to and from service center and/or service calls are the responsibility of the customer.

This limited warranty specifically excludes the following; failure of parts due to damage caused by accident, fire, flood, windstorm, acts of God, applications not approved by Brave in writing, corrosion caused by chemicals, use of replacement parts which do not conform to manufacturer’s specifications, damage related to rodent and/or insect infestation and damage caused by vandalism. Additional exclusions: loss of running time, inconvenience, loss of income, or loss of use, including any implied warranty of merchantability of fitness for a specific use. Also, outdoor power equipment needs periodic parts and service to perform well, and this limited warranty does not cover instances when normal use has exhausted the life of a component or the engine.

This limited warranty does not cover any personal injury or damage to surrounding property caused by failure of any part, misuse or inability to use the product. Alteration of the product, including safety features, shall void this limited warranty.

Repair or replacement of parts does not extend the warranty period. This limited warranty gives you specific legal rights. You may also have other rights that vary by state.

Please have model number, item number and serial number on hand prior to making a warranty claim or inquiry.

HYDRA BUDDY™

Manufactured by
Great Northern Equipment
Rogers, MN 55374
Made in the USA