



Professional Log Splitter  
Firewood Conveyor  
Owner's Manual

PRO28

PRO28C - PRO35C

28HO - 35HO

28SHO - 35SHO - 35SHOBW

28HDI - 35HDI

FC16 - FC24 - FC32

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# CALIFORNIA PROPOSITION 65 WARNINGS



## PETROLEUM PRODUCTS

WARNING: Crude oil, gasoline, diesel fuel and other petroleum products can expose you to chemicals including toluene and benzene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. These exposures can occur in and around oil fields, refineries, chemical plants, transport and storage operations such as pipelines, marine terminals, tank trucks and other facilities and equipment.

For more information go to: [www.P65Warnings.ca.gov/petroleum](http://www.P65Warnings.ca.gov/petroleum).



## GASOLINE ENGINE EXHAUST

WARNING: Breathing gas/diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information:

<https://www.p65warnings.ca.gov/fact-sheets/gasoline-engine-exhaust>



## DIESEL ENGINE EXHAUST

WARNING: Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information:

<https://www.p65warnings.ca.gov/products/diesel>



## WOOD DUST

WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

For more information:

<https://www.p65warnings.ca.gov/fact-sheets/wood-dust>

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**WOLFE RIDGE MFG EAU CLAIRE WI USA 54703**

**ALL PRODUCT, PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY,  
FUNCTION OR DESIGN OR OTHERWISE.**

**VERSION 1.4 11-14-2021**



## IMPORTANT SAFETY INFORMATION



**WARNING:** Read and thoroughly understand all instructions in this manual and on safety decals before operating this log splitter. Failure to do so may cause serious injury or death. Do not allow anyone to operate this log splitter who has not read and understood this manual. As with all power equipment, this log splitter can be dangerous if used improperly. Do not operate this log splitter if you have any questions concerning safe operation. To get answers to any questions, call our technical support department at 715-598-7790.

## 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 serious injury or death.



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



**CAUTION** (yellow) indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



**IMPORTANT** (blue) is used to address practices not related to personal injury.

## INTENDED USE

**NEVER** use this log splitter for any other use than splitting wood. It is designed for this use **only**. Any other use can cause serious injury or death.



## IMPORTANT SAFETY INFORMATION

### PERSONAL PROTECTIVE EQUIPMENT



**BEFORE** operating this log splitter, make sure that you wear safety gear such as goggles or safety glasses, steel toed shoes and tight fitting gloves (without loose cuffs or draw strings). Always wear a protective hearing device when operating this log splitter.

**NEVER** wear loose clothing or jewelry that can be caught by moving parts of this log splitter. Keep clothing and hair away from all moving parts when operating this log splitter.

### **ATTENTION: ALL RENTAL COMPANIES AND PRIVATE OWNERS WHO LOAN THIS EQUIPMENT TO OTHERS!**

All persons to whom you rent/loan the log splitter must have access to and read and understand this manual. Keep this owner's manual with the log splitter at all times and advise all persons who will operate the machine to read and understand it. You must provide instruction on how to safely operate the splitter and remain available to answer any questions a renter/borrower might have.



## IMPORTANT SAFETY INFORMATION

### SAFETY DECALS

Make sure that all safety warning decals are in good condition and readable. Always replace missing or defaced decals. Contact Wolfe Ridge MFG at: **715-598-7790** for replacement decals.



# PINCH POINT

## DANGER PINCH POINT

Located at the on the top of the hydraulic cylinder of every log splitter.



## IMPORTANT SAFETY INFORMATION

### SAFETY DECALS (Continued)



## DANGER PINCH POINT

Located at the operators station of every log splitter.



## DANGER

Located next to the gasoline/diesel engine of every log splitter.



## **IMPORTANT SAFETY INFORMATION**

### **SAFETY DECALS (Continued)**



### **Caution**

**Located on each end of the firewood conveyor near drive and idler pulleys.**



## IMPORTANT SAFETY INFORMATION

### GENERAL SAFETY

***Failure to follow these instructions may result in serious injury or death.***

**ALWAYS** read the operator's manual before operation. It is located in the plastic canister on the machine.

**ALWAYS** keep all bystanders and pets a minimum of 10 feet away from your work area when operating this log splitter. Only the operator is to be near the log splitter during use.

**ALWAYS** operate the log splitter with a clear mind, free of the influence of alcohol, drugs or medication.

**ALWAYS** wear close fitted clothing, free from lanyards, strings or jewelry which could be an entrapment hazard.

**NEVER** allow children to operate this log splitter. **NEVER** allow adults lacking proper instructions and understanding to operate this log splitter.

**NEVER** actuate the control until all people are clear of the work area.

**NEVER** allow a person who is tired or otherwise not alert to operate the log splitter.

### WORK AREA SAFETY

**NEVER** operate the log splitter on slippery, wet, muddy or icy ground.

**ONLY** operate your log splitter on level ground. Operating on a slope could cause the log splitter to roll over or logs to fall off.

**NEVER** operate your log splitter in an enclosed area. Exhaust fumes contain carbon monoxide which can be deadly when inhaled.

**NEVER** attempt to move your log splitter over hilly or uneven terrain without a tow vehicle or adequate help.

**NEVER** operate log splitter with missing or broken jack stands.



## IMPORTANT SAFETY INFORMATION

### WORK AREA SAFETY

**ALWAYS** use jack stands and block the wheels to prevent movement of the log splitter while in operation.

**ALWAYS** operate your log splitter on level ground. (Operating on a slope could cause the log splitter to roll over or logs to fall off.)

**ALWAYS** keep the work area clean. Remove split wood around your log splitter immediately so that you don't trip over it.

**ONLY** operate your log splitter in daylight or under good artificial light.

### SAFE OPERATION OF THE LOG SPLITTER

**KNOW** how to stop the log splitter and disengage the controls before operating it.

**FAILURE** to operate the log splitter from the operators position can result in serious injury or death.

**NEVER** place hands or feet between the log and splitting wedge during forward or reverse stroke. Serious injury or death could result.

**NEVER** straddle or step over the log splitter during operation.

**NEVER** try to cross split a log. Always split with the grain.

**NEVER** attempt to load the log splitter when the wedge is in motion.

**NEVER** place hands or feet between the log and splitting wedge during forward or reverse stroke as this could result in serious injury or death.

**NEVER** move the log splitter while the engine is running.

**ALWAYS** use your hand to operate the control lever on the valve. **NEVER** use your foot, a rope or any extension device.



## IMPORTANT SAFETY INFORMATION

### SAFE OPERATION OF THE LOG SPLITTER

**ALWAYS** shut off the engine even if you are leaving the log splitter for a short period of time.

**ALWAYS** avoid contact with the muffler and other hot areas of the engine during operation or after running to prevent burns.

### CAUTIONS FOR GAS OR DIESEL ENGINE OPERATION

**Operate your engine/machine only in well ventilated areas.**

**Failure to follow this will result in serious injury or death.**

### SAFE PREPARATION OF THE LOG

**Both ends** of the log should be cut as square as possible to help prevent the log from riding out of the splitter during operation.

**ALWAYS** split wood along the grain **NEVER** split across the grain.

### HYDRAULIC SAFETY

The hydraulic system of your log splitter requires careful inspection along with the mechanical parts. Be sure to replace frayed, kinked, cracked or otherwise damaged hydraulic hoses or hydraulic components.

**NEVER** check for leaks of hydraulic fluid with your hand. Fluid escaping from a small hole can be almost invisible. Escaping fluid under pressure can have sufficient force to penetrate skin causing **SERIOUS INJURY** or even **DEATH**. Leaks can be safely detected by passing a piece of cardboard over the suspected leak and looking for discoloration.

**NEVER** remove the cap from the hydraulic tank or reservoir while the log splitter is running. The tank could contain hot oil under pressure which could result in serious injury.

**NEVER** adjust the hydraulic valve. The pressure relief valve on your log splitter is preset at the factory. Only a qualified service technician should perform this adjustment.

**ALWAYS** seek professional medical attention immediately if injured by escaping hydraulic fluid. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

**ALWAYS** be sure to relieve all pressure by shutting off the engine and moving the valve control handle back and forth should it become necessary to loosen or remove any hydraulic fitting.



## IMPORTANT SAFETY INFORMATION

### REPAIR AND MAINTENANCE SAFETY

**NEVER** operate your log splitter when it is in poor mechanical condition or in need of repair.

**NEVER** alter your log splitter in any manner. Such alterations may cause your log splitter to be unsafe and will void the warranty.

**NEVER** tamper with the engine to run it at excessive speeds. The maximum engine speed is preset by the manufacturer and is within safety limits. See Honda engine manual.

**ALWAYS** perform all recommended maintenance procedures **BEFORE** using your log splitter.

**ALWAYS** replace all damaged or worn parts **IMMEDIATELY**.

**ALWAYS** check the level of hydraulic oil and engine oil **BEFORE** operation.

**PERIODICALLY** check that all nuts, bolts, screws, hydraulic fittings and hose clamps are tight.

### FIRE PREVENTION - FUEL SAFETY

**NEVER** operate your log splitter near a flame or spark. Hydraulic oil and gasoline are flammable and can explode.

**NEVER** fill the gas tank while the engine is hot or running. Allow the engine to cool before refueling.

**NEVER** smoke while operating or refueling your log splitter. Gas fumes can easily explode.

**ALWAYS** replace the gas cap securely.

**ALWAYS** drain the fuel tank prior to storage to avoid the potential fire hazard.

**ONLY** refuel your log splitter in a clear area with no gas fumes or spilled gas.

If gasoline has spilled, move the log splitter away from the area of the spill and avoid creating any source of ignition until the spilled gas has evaporated.

**NEVER** store gasoline in the house or near a heating appliance.



## IMPORTANT SAFETY INFORMATION

### FIRE PREVENTION

**ALWAYS** store gasoline in an approved - OSHA Standard 29 Code of Federal Regulations (CFR) 1926.152(a)(1) - tightly sealed container. Store the container in a cool, dry place.

**ALWAYS** turn the fuel shut off valve on the engine to the “OFF” position before towing the log splitter. Failure to do so may result in flooding the engine.

#### **IMPORTANT NOTE – (spark arrester):**

As a precautionary measure against possible flying sparks, always take a Class B fire extinguisher with you when operating this log splitter in dry areas. This log splitter is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. In the state of California, a spark arrester is required by law. Other states have similar laws. Federal laws apply on federal lands. A spark arrester muffler is optional and available as an accessory at your nearest engine dealer. Always check the legal requirements in your area.

### SAFETY CAUTIONS FOR DIESEL AND GASOLINE ENGINES

**OPERATE** your engine/machine **ONLY IN WELL VENTILATED** areas. Failure to follow this will result in serious injury or death.

**NEVER** operate an engine with a fuel or oil leak, which can result in fire. Failure to follow this will result in serious injury or death.



## IMPORTANT SAFETY INFORMATION

### USE CAUTION WHEN WORKING WITH BATTERIES

#### EMERGENCY TREATMENT FOR CONTACT WITH BATTERY COMPONENTS (LEAD/SULFURIC ACID)

<b>EYE CONTACT</b>	Sulfuric Acid and Lead: Flush eyes immediately with large amounts of water for at least 15 minutes while lifting lids. Seek immediate medical attention if eyes have been exposed directly to acid.
<b>SKIN CONTACT</b>	Sulfuric Acid: Flush affected area(s) with large amounts of water using deluge emergency shower, if available, shower for at least 15 minutes. Remove contaminated clothing, including shoes. If symptoms persist, seek medical attention. Wash contaminated clothing before reuse. Discard contaminated shoes. Lead: Wash immediately with soap and water.
<b>INGESTION</b>	Sulfuric Acid: Administer large amounts of water. Do NOT induce vomiting or aspiration into the lungs may occur and can cause permanent injury or death; consult physician.
<b>INHALATION</b>	Sulfuric Acid: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician. Lead: Remove from exposure, gargle, wash nose and lips; consult physician.

**ALWAYS** Keep sparks, flames, burning cigarettes, or other ignition sources away from batteries at all times. Failure to follow this will cause serious injury or death.

**ALWAYS** wear safety goggles and a face shield when working on batteries. Failure to follow this will cause serious injury.

**BATTERY POSTS**, terminals and related accessories contain lead and lead compounds. Wash hands after handling. Failure to follow this may result in serious injury.

**ALWAYS** Charge the battery in a well ventilated area. Failure to follow this may result in serious injury or death.



## IMPORTANT SAFETY INFORMATION

### USE CAUTION WHEN WORKING WITH BATTERIES

**ALWAYS** Disconnect the negative battery terminal cable before performing any service to the 12-Volt electrical system. Failure to follow this may result in injury and/or electrical system damage.

**DO NOT** attempt to charge a frozen battery. Failure to follow this may result serious injury or death.

**DO NOT** overcharge the battery. Overcharging may reduce the overall service life of the battery.

**BE SURE** the battery is fully charged before transporting the wood splitter. If the battery is not fully charged, excessive vibration could reduce the overall service life of the battery.



## IMPORTANT SAFETY INFORMATION

### TOWING SAFETY

**NEVER** attempt to move your log splitter over hilly or uneven terrain without a tow vehicle or adequate help.

**NEVER** allow anyone to sit or ride on your log splitter.

**NEVER** exceed 45 mph when towing your log splitter models with a solid axle (no springs) (28 PRO, PRO28C, PRO35C) and the Firewood Conveyor. Models with spring mounted axles can be safely towed at posted highway speeds (28HO, 35HO, 28SHO, 35SHO). Adjust towing speed for terrain and conditions. Be extra cautious when towing over rough terrain, especially railroad crossings.

**ALWAYS** check all local and state regulations regarding towing, licensing, and lights before towing your log splitter.

**ALWAYS** check before towing to make sure that the log splitter is correctly and securely attached to the towing vehicle and that the safety chains are secured to the hitch or bumper of the vehicle with enough slack to allow turning. Always Class I, 2" ball with this log splitter.

**ALWAYS** be careful when backing up with your log splitter in tow. It could jackknife.

**ALWAYS** turn the fuel shut off valve on the engine to the "OFF" position before towing the log splitter. Failure to do so may result in flooding the engine and damaging engine oil.

**MAKE SURE** tires are fully inflated and in good condition if you will be towing the splitter. See tire sidewall for recommended tire pressure.

**NEVER** use the log splitter or firewood conveyor as a trailer to haul equipment, tools or wood. All loose item should be removed before towing the equipment.

# OPERATING INSTRUCTIONS



**WARNING:** Read and thoroughly understand all instructions and safety information before operating this log splitter. Failure to do so may cause serious injury or death. Do not allow anyone to operate this log splitter who has not read this manual. As with all power equipment, a log splitter can be dangerous if assembled or used improperly. Do not operate this log splitter if you have doubts or questions concerning safe operation.

Call our customer service department at 715-598-7790 to address these concerns.



**CAUTION:** DO NOT START OR RUN THE ENGINE BEFORE ADDING/CHECKING OIL IN THE HYDRAULIC RESERVOIR AND OIL IN THE ENGINE.

Wolfe Ridge equipment is shipped/delivered with engine oil/hydraulic oil installed and are ready to run. Please confirm hydraulic oil and engine oil are at correct levels before startup. Hydraulic oil level should be visible in the sight tube installed on the side of the hydraulic tank.



## HYDRAULIC OIL/FILTER RECOMMENDATIONS

The hydraulic reservoir must be filled with hydraulic oil before operation. AW-32 / ISO 32 hydraulic oil is recommended for temperature ranges from 0 to 160 degrees F. Use only clean oil and take care to prevent dirt from entering the hydraulic reservoir.

Capacities:

28 Pro - 14 gal. (gallons) total, 12 gal. to refill tank.

Compact Commercial- 22 gal. total, 18 gal. to refill tank.

High Output- 25 gal. total, 22 gal. to refill tank.

SHO - 26 gal. total, 22 gal. to refill tank.

HDI - 26 gal. total, 22 gal. to refill tank.

Conveyors- 10 gal total, 7 gal. to refill tank.

Hydraulic Oil Filter:

Pro 28 and Conveyors - Cheif 226011

All other machines - Baldwin BT287-10

Change hydraulic filters annually

# OPERATING INSTRUCTIONS



## ENGINE OIL RECOMMENDATIONS

Read and understand the Honda owner's manual included with your splitter/conveyor, or contact our service department at 715-598-7790 if the Honda owner's manual is damaged or missing for a replacement.



## ENGINE FUEL RECOMMENDATIONS

Read and follow the Honda owner's manual included with your splitter/conveyor for the engine fuel requirements.

**Avoid gasoline with Ethanol added.**

Premium grade gasoline (Octane rating 91-94) produces the best running engine.



## USING 4-WAY, 6-WAY & 12-WAY SPLITTING WEDGES

**WARNING: Only use 4-way, 6-way & 12 way splitting wedges on straight grained wood!**

**Remove 4-way, 6-way & 12 way splitting wedges to split knotty & twisted grained logs to avoid damage to wedges and machine!**



## LONG TERM STORAGE

Turn fuel supply off (see Honda Engine Owners Manual).

Add fuel stabilizer to fuel tank.



STA-BIL Storage Fuel Stabilizer keeps fuel fresh for quick easy starts after storage.

# OPERATING INSTRUCTIONS

## ON-SITE SETUP FOR LOG SPLITTERS



### **DANGER!**

Do not operate this unit indoors or in an enclosed area or carbon monoxide poisoning will occur. Failure to follow this will result in serious injury or death.



### **DANGER!**

Maintain a clean and clear path for all necessary movement around the log splitter. Failure to follow this will result in serious injury or death.



### **WARNING!**

Do not allow children in the area of the wood splitter. Failure to follow this may result in serious injury or death.



### **WARNING!**

Do not set up the wood splitter on ground with more than a 10 degree incline.

1. Position the log splitter on a solid, level surface.

NOTE: The log splitter may be used either attached or unattached to the transport vehicle.

For Wheeled Splitters:

2. Chock both tires on the front & back; use a total of four tire chocks.

3. If working unhitched, lower the jack and level the splitter. Ensure that the jack (& optional foot pad) is on a firm, level surface.

NOTE: Operating while hitched to the towing vehicle offers the best stability.

# OPERATING INSTRUCTIONS

## WHEELED & INDUSTRIAL LOG SPLITTER



### **DANGER!**

Do not operate this unit indoors or in an enclosed area or carbon monoxide poisoning will occur. Failure to follow this will result in serious injury or death.



### **WARNING!**

Do not load logs greater than 450lbs.  
Failure to follow this may result in serious injury or death.



### **DANGER!**

Avoid contact with sharp edges of the cutting wedges. Failure to follow this may result in serious injury or death.

1. Fill the gas tank with the recommended fuel type for you engine (refer to engine owners manual).
2. Start the engine using the proper starting technique from the owners manual for your engine.
3. Standing at the operators position, move the log pusher to the right.
4. Ensure the area is clear and lower the log lift platform.
5. The log must be less than 24" in length, 30" in diameter and less than 450 lbs.
6. Position the log on the log lift platform.
7. Raise the log lift platform using the log lift control handle.  
Note: The log will split easier if the base or larger end is towards the splitting wedges.
8. Roll the log onto the main beam between the splitting wedges and the log pusher.
9. Lower the log lift platform, making sure area is clear.

# **OPERATING INSTRUCTIONS**

## **WHEELED & INDUSTRIAL LOG SPLITTER**

10. If your splitter is equipped with a manual or hydraulically adjustable multiple splitting wedge, adjust the multiple wedge to the center of the log.
11. Move the log pusher to the left splitting the log.
12. Repeat steps: 3-12 until finished.

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# OPERATING INSTRUCTIONS

## FIREWOOD CONVEYOR



**NEVER** wear loose clothing or jewelry that can be caught by moving parts of this firewood conveyor. Keep clothing and hair away from all moving parts when operating this firewood conveyor.



### **DANGER!**

Do not operate this unit indoors or in an enclosed area or carbon monoxide poisoning will occur. Failure to follow this will result in serious injury or death.



### **WARNING!**

Do not set up the firewood conveyor on ground with more than a 10 degree incline.

1. Position the firewood conveyor where you wish to unload firewood on level ground.
2. Adjust the wood chip deflector and chute on the discharge end of the conveyor as needed.
3. If you wish to use the rotating wheel hub feature, remove the locking bolt and nut on the pivot bracket, pivot the wheel(s) and reinstall the locking bolt & nut.
4. The single hydraulic valve located on the wheel axle between the hydraulic lift cylinders is for flow control of the hydraulic system and regulates the speed at which the conveyor chain operates.
5. The twin hydraulic valves located next to the (engine side) right wheel control the rotation direction of the conveyor chain and the height of the conveyor discharge.
  - The front valve (closest to the engine) controls the forward and reverse function of the chain.
  - The rear valve raises and lowers the conveyor discharge.
6. Position log splitter over the conveyor feed hopper.
7. Fill the gas tank with recommended fuel.
8. Start the gas engine & adjust engine speed (see Honda Engine Owners Manual).
9. Adjust the height of the conveyor discharge & engage the front directional hydraulic lever.

## **WARRANTY AND SERVICE INFORMATION**

All Wolfe Ridge MFG equipment is covered by a 1 year parts and labor warranty from your date of purchase. Gasoline and diesel engines are covered separately by their manufacturers, please see their respective owner's manual for details.

Wolfe Ridge MFG and/or the servicing dealer will repair or replace faulty parts at no charge for parts or labor during the warranty time frame. Any parts needed after this warranty expires will need to be purchased by customer. Only Wolfe Ridge MFG will determine if part replacement or repair is needed. Any pick up, delivery fees, and/or shipping costs for servicing your machine are the customer's responsibility.

Wolfe Ridge MFG reserves the right to deny any warranty claims that have been determined to be caused by misuse or abuse of the machine. Any alteration, misuse, abuse or lack of required maintenance will void warranty coverage.

Wolfe Ridge MFG is not responsible for any incidental or consequential damages of any kind including loss of profit, rental fees, or any other costs incurred that are out of Wolfe Ridge MFG's direct control.

Please contact your servicing dealer or Wolfe Ridge MFG for repair needs.

**Wolfe Ridge MFG  
4682 Anderson Drive  
Eau Claire WI 54703 USA  
715-598-7790  
ChrisWolfe@WolfeRidgeMFG.com  
WolfeRidgeMFG.com**

# 28PRO LOG SPLITTER

## 28PRO

### Features Identification



- Dexter Hubs and spindles
- Fits into a pick up truck or small trailer, 4' x 8' overall size.
- Adjustable 4 way wedge included.
- Hydraulic log lift included.
- Removable tongue, can be towed from either end (45 mph maximum).

# 28PRO LOG SPLITTER

## 28PRO

### Specifications

Engine	Honda 9 HP GX270
Tonnage	28 Ton
Pressure	3000 PSI Max
Hydraulic Pump	16 GPM Cast Iron Pump
Cycle Time	12 Second
Beam	8"
Splitting Wedge	12" AR400 Steel
Hydraulic Log Lift Capacity	400 lb
Hydraulic Cylinder Bore	4.5"
Hydraulic Cylinder Stroke	24"
Maximum Log Length	25"
Maximum Log Width	24"
Hydraulic Fluid Type	AW-32 / ISO 32
Hydraulic Oil Capacity	15 Gallons Total, 12 Gallons to Refill Tank.
Hydraulic Oil Filter	Chief 226011
Hitch Coupler Size	2"
Hitch	Removable - Can Be Towed From Either End.
Maximum Towing Speed	45 MPH - From Splitter End ONLY
Spark Arrester	Yes
Fuel Valve	Yes
Adjustable 4 - Way Wedge	Included
Adjustable 6- Way Wedge	Optional
Overall Dimensions	96" x 48" x 45" (L x W x H)
Paint Finish	Sand Blasted and Powder Coated Baked on Paint
Dry Weight	1,200 Lbs.
Tire Rims	4.8" x 12"
Tires	21" Radial

# COMPACT COMMERCIAL LOG SPLITTER

## PRO28C - PRO35C

### Features Identification



- Full commercial grade, compact design perfect for small wood lots.
- Hydraulically adjustable 4 way wedge included.
- Removable tongue, can be towed from either end (45 mph maximum).
- Dexter Hubs and spindles
- Fits into a pick up truck or small trailer, 4' x 8' overall size.
- Up to 300 cord per year!
- Optional magnum big bore hydraulic cylinder for 2 second faster cycle times.
- Optional auto cycle valve.
- Optional 6 - way wedge.
- Optional 12 - way wedge

# COMPACT COMMERCIAL LOG SPLITTER

## PRO28C - PRO35C

### Specifications

Engine	Honda 13 HP GX390
Tonnage	28 Ton - 35 Ton
Pressure	3000 PSI Max
Hydraulic Pump	22 GPM Cast Iron Pump
Cycle Time	8.5 Second - 10.5 Second
Cycle Time with Magnum Big Bore Option	6.5 Second - 8.5 Second
Beam	8"
Hydraulic Log Lift Capacity	450 lb
Splitting Wedge	12" AR400 Steel
Hydraulic Cylinder Bore	4" - 5" Magnum Bore Option
Hydraulic Cylinder Stroke	24"
Maximum Log Length	25"
Maximum Log Width	24"
Hydraulic Fluid Type	AW-32 / ISO 32
Hydraulic Oil Capacity	25 Gallons Total, 18 Gallons to Refill Tank.
Hydraulic Oil Filter	Baldwin BT287-10
Hitch Coupler Size	2"
Hitch	Removable - Can be towed from either end.
Maximum Towing Speed	45 MPH - From Splitter End ONLY
Spark Arrester	Yes
Fuel Valve	Yes
Adjustable 4 - Way Wedge	Included
Adjustable 6- Way Wedge	Optional
Auto Cycle Hydraulic Valve	Optional
Overall Dimensions	96" x 48" x 45" (L x W x H)
Paint Finish	Sand Blasted and Powder Coated Baked on Paint
Dry Weight	1,400 Lbs.
Tire Rims	4.8" x 12"
Tires	21" Radial

# HIGH OUTPUT COMMERCIAL LOG SPLITTER

## 28HO - 35HO

### Features Identification



- Full size high output commercial grade log splitter.
- 32" beam height, no bending over to operate!
- Custom built big bore "Fast Split" welded cylinders for fast cycle times!
- Hydraulic log lift included – 700# capacity.
- Hydraulic wedge adjust, no tools required!
- Highway towable up to 80 MPH.
- Up to 300 full cord per year!
- Optional 6 - way wedge.
- Optional 12 - way wedge

# HIGH OUTPUT COMMERCIAL LOG SPLITTER

## 28HO - 35HO

### Specifications

Engine	Honda 13 HP GX390
Tonnage	28 Ton- 35 Ton
Pressure	3000 PSI Max
Hydraulic Pump	22 GPM Cast Iron Pump
Cycle Time	6.5 Second - 8 Second
Beam	8"
Beam Height	32"
Splitting Wedge	12" AR400 Steel
Hydraulic Cylinder Bore	5" Magnum Bore
Hydraulic Cylinder Stroke	24"
Hydraulic Log Loft Capacity	700 lb
Maximum Log Length	25"
Maximum Log Width	24"
Hydraulic Fluid Type	AW-32 / ISO 32
Hydraulic Oil Capacity	28 Gallons Total, 22 Gallons to Refill Tank.
Hydraulic Reservoir	28 Gallon TIG Welded Aluminum
Hydraulic Oil Filter	Baldwin BT287-10
Hitch Coupler Size	2"
Hitch	3" Folding Tongue Included
Maximum Towing Speed	80 MPH
Spark Arrester	Yes
Fuel Valve	Yes
Hydraulically Adjustable 4 - Way Wedge	Included
Adjustable 6- Way Wedge	Optional
Auto Cycle Hydraulic Valve	Optional
Overall Dimensions	148" x 69" x 45" (L x W x H)
Paint Finish	Sand Blasted and Powder Coated Baked on Paint
Dry Weight	1600 lb
Tire Rims	6" x 14"
Tires	26" Radial (O. D.)
Axles	Dexter with leaf springs

# SUPER HIGH OUTPUT COMMERCIAL LOG SPLITTER

## 28SHO - 35SHO - 35SHOBW

### Features Identification



- Full commercial grade, highway towable up to 80 MPH.
- Up to 2 full cord per hour of production with 2 people!
- Extra long hydraulic log lift and sorting table.
- Auto cycle valve – “Fast Split” big bore welded cylinder.
- Hydraulic adjustable 4 way and 6 way wedge included.
- 12V DC Thermostatic controlled hydraulic oil cooler now included!
- 28 gallon TIG welded aluminum hydraulic reservoir for fast heat dissipation.
- 20 HP Honda V-Twin GX630 engine.
- Electric start, Interstate battery.
- Also available in a 3.5” box wedge option. Trade the hydraulic wedge adjuster for the box wedge and pull back arm. This also includes a drop in single wedge and add on 4 way wedge as well.
- Optional 12 - way wedge

# SUPER HIGH OUTPUT COMMERCIAL LOG SPLITTER

## 28SHO - 35SHO - 35SHOBW

### Specifications

Engine	Honda 20 HP V-Twin GX630 - Electric Start
Tonnage	28 Ton- 35 Ton
Pressure	3000 PSI Max
Hydraulic Pump	28 GPM Cast Iron Pump
Cycle Time	5.5 Second - 7.5 Second
Beam	8" Heavy Duty Reinforced Beam
Beam Height	32"
Splitting Wedge	12" AR400 Steel
Hydraulic Cylinder Bore	5" Magnum Bore
Hydraulic Cylinder Stroke	24"
Hydraulic Log Loft Capacity	700 lb
Maximum Log Length & Width	25" x 24"
Hydraulic Fluid Type	AW-32 / ISO 32
Hydraulic Oil Capacity	30 Gallons Total, 28 Gallons to Refill Tank.
Hydraulic Reservoir	28 Gallon TIG Welded Aluminum
Hydraulic Oil Cooler	12 VDC Thermostatic Control
Hydraulic Oil Filter	Baldwin BT287-10
Hitch Coupler Size	2"
Hitch	3" Folding Tongue Included
Maximum Towing Speed	80 MPH
Spark Arrester & Fuel Valve	Yes
Hydraulically Adjustable 4 - Way Wedge	Included
Adjustable 6- Way Wedge	Included
Adjustable 12 - Way Wedge	Optional
Auto Cycle Hydraulic Valve	Included
Overall Dimensions	148" x 69" x 45" (L x W x H)
Paint Finish	Sand Blasted and Powder Coated Baked on Paint
Dry Weight	2000 lb
Tire Rims - Tires	6" x 14" - 26" Radial (O. D.)
Fenders - Tail Lights - Aluminum Rims	Optional
Axles	Dexter with leaf springs

# HEAVY DUTY INDUSTRIAL LOG SPLITTER

## 28SHDI - 35HDI

### Controls and Features Identification



- Full commercial grade.
- Up to 2 full cord per hour of production with 2 people!
- Extra long hydraulic log lift and sorting table.
- Auto cycle valve – “Fast Split” big bore welded cylinder.
- Hydraulic adjustable 4 way and 6 way wedge included.
- 12V DC Thermostatic controlled hydraulic oil cooler now included!
- 28 gallon TIG welded aluminum hydraulic reservoir for fast heat dissipation.
- 20 HP Honda V-Twin GX630 engine.
- Electric start, Interstate battery.
- Also available in a 3.5” box wedge option. Trade the hydraulic wedge adjuster for the box wedge and pull back arm. This also includes a drop in single wedge and add on 4 way wedge as well.
- 25 HP Kubota Diesel & 38 GPM Hydraulic Pump Available.
- Optional 12 - way wedge

# HEAVY DUTY INDUSTRIAL LOG SPLITTER

## 28SHDI - 35HDI

### Specifications

Engine	Honda 20 HP V-Twin GX630 - Electric Start
Tonnage	28 Ton- 35 Ton
Pressure	3000 PSI Max
Hydraulic Pump	28 GPM Cast Iron Pump
Cycle Time	5.5 Second - 7.5 Second
Beam	8" Heavy Duty Reinforced Beam
Beam Height	32"
Splitting Wedge	12" AR400 Steel
Hydraulic Cylinder Bore	5" Magnum Bore
Hydraulic Cylinder Stroke	24"
Hydraulic Log Loft Capacity	700 lb
Maximum Log Length & Width	25" x 24"
Hydraulic Fluid Type	AW-32 / ISO 32
Hydraulic Oil Capacity	30 Gallons Total, 28 Gallons to Refill Tank.
Hydraulic Reservoir	28 Gallon TIG Welded Aluminum
Hydraulic Oil Cooler	12 VDC Thermostatic Control
Hydraulic Oil Filter	Baldwin BT287-10
Skid Steer Quick Connect & Fork Pockets	Included
Spark Arrester	Yes
Fuel Valve	Yes
Hydraulically Adjustable 4 - Way Wedge	Included
Adjustable 6- Way Wedge	Included
Adjustable 12 - Way Wedge	Optional
Auto Cycle Hydraulic Valve	Included
Overall Dimensions	96" x 48" x 48" (L x W x H)
Paint Finish	Sand Blasted and Powder Coated Baked on Paint
Dry Weight	1,900 LB - 2,000 LB

# FIREWOOD CONVEYOR

## FC16 - FC24 - FC32 - FC40

### Controls and Features Identification



- Top pull hydraulic drive.
- Single steel 81X chain with paddles for durability.
- Self contained Honda GX200 power pack uses only a gallon of gas in 10 hours of run time.
- Lengths 16' - 24' - 32'.
- Professional grade to last a lifetime!
- Tires turn 90 degrees to swing machine without moving whole setup!
- Includes upper chip separator grate and chute.
- Competitively priced and made in the USA like all of our equipment!

## FC16 - FC24 - FC32

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# MAINTENANCE & TROUBLESHOOTING

## ENGINE OIL

Your engine comes to you installed, full of oil and has been certified for use on this machine. After the initial 10 hour break in period, drain oil and re-fill with recommended oil for your machine. Please consult the engine manual for specific oil grade and capacity.

## HYDRAULIC OIL & FILTERS

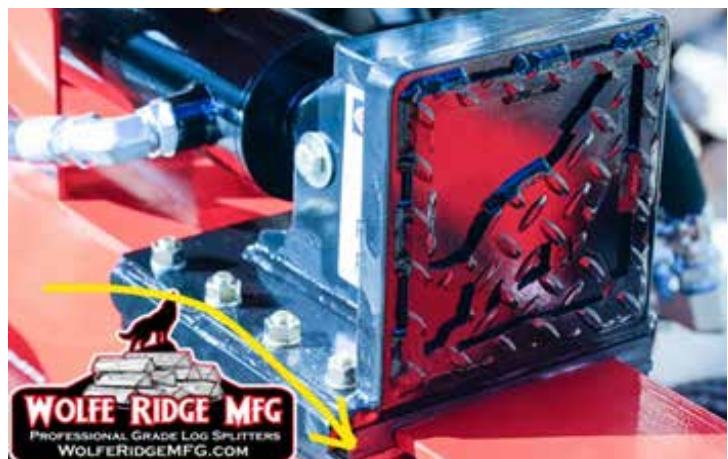
At Wolfe Ridge MFG, your machine comes ready to use with all hydraulic systems filled with AW-32/ ISO-32 hydraulic oil. There is room for oil expansion, do not fill tanks completely full. Only fill to Full/ Cold line or about 150 degree mark on sight gauge.

Hydraulic filters should be replaced annually or every 100 hours of run time. Only use filters designed for Hydraulic systems at 10 micron filtration. Contact your servicing dealer or Wolfe Ridge MFG for the correct filter for your application.

## PUSH BLOCK SLIDES

At Wolfe Ridge MFG, all machines come standard with replaceable Delrin slides. This material is self-lubricating and are very easy to replace with new pieces. If your pusher becomes loose, with more than ¼" of play side to side, it is time to replace slides. You should have an extra set of replacement slides in the owner's manual canister. When installed, please contact your servicing dealer or Wolfe Ridge MFG to order more. These parts are low cost and are provided to you at no charge for the first year of use. To replace slides, just remove bolts and replace with new parts orientated the same way.

**Replaceable push block slides**



# MAINTENANCE & TROUBLESHOOTING

## HYDRAULIC SYSTEM



### **DANGER!**

**NEVER** adjust main relief above 3000 PSI!

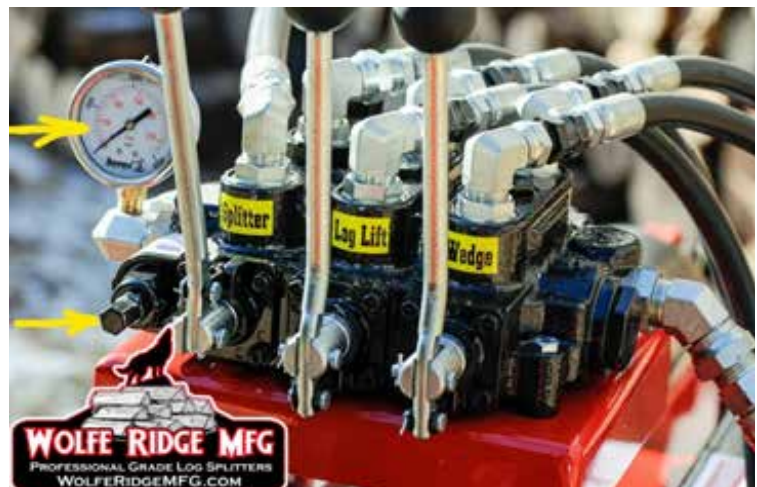
**This can cause severe injury or even death.**

**Running machine beyond 3000 psi will cause damage to valves, cylinders and pump. Adjusting the machine to higher pressure settings will immediately void warranty.**

- Pressure gauge is installed for initial set up of machine, and can be a great diagnostic tool for trouble shooting. If your machine is not building enough pressure to split a log, check to see how much pressure it is building. You can check this pressure setting with the engine running at full throttle... Extend splitting ram all the way and hold the lever for 2 seconds. Watch the pressure gauge to determine operating pressure on gauge.
- **If you feel that the pressure gauge is faulty or has been damaged, do not adjust main relief! Contact Wolfe Ridge MFG and replace gauge immediately.**
- To adjust main relief, first remove outer nut with ½” wrench. Then loosen jam nut with 9/16 wrench. Use 3/16 Allen wrench to turn adjustment screw clockwise to increase pressure, or counter-clockwise to decrease pressure

Pressure gauge

Main relief adjustment



# MAINTENANCE & TROUBLESHOOTING

## SPLITTER DETENT ADJUSTMENT

All Wolfe Ridge log splitters come with Prince valve with a pressure release detent for the return stroke. This allows the main cylinder to retract on its own and stop when the pressure spikes at the home position. The Prince hydraulic valve detents are somewhat sensitive to temperature, so be sure oil temp is running between 70 and 120 degrees F before adjusting detents... If machine is cold, the detent will kick out early, and may not kick out if the oil is very hot.

- To adjust detents on machine, locate the detent adjusters that stick up from back side of valve, away from the handles. There is a rubber protective cap to keep moisture from entering, be sure to put that back on after adjustments are made.
- If splitter handle kicks out before going all the way back... Use a 7/8" wrench to loosen jam nut, and turn 5/8" adjuster screw clockwise ¼ turn to increase detent pressure. Run the splitter to check that it is operating properly. Repeat if necessary. When machine is working correctly snug the 7/8" jam nut to approximately 20 ft. LB of torque. DO NOT OVER TIGHTEN. Replace rubber cap on adjustment screw.

Return detent



# MAINTENANCE & TROUBLESHOOTING

## AUTO CYCLE VALVE

Some Wolfe Ridge log splitters offer or include the Prince Auto Cycle valve.

This valve uses a pressure release detent on both split and retract functions. These detents will need adjustment periodically to ensure proper operation. The Prince hydraulic valve detents are somewhat sensitive to temperature, so be sure oil temp is running between 70 and 120 degrees F before adjusting detents... If machine is cold, the detents will kick out early, and may not kick out if the oil is very hot.

To adjust detents on machine, locate the detent adjusters that stick up from back side of valve, away from the handles. There is a rubber protective cap to keep moisture from entering, be sure to put that back on after adjustments are made.

- If retract handle kicks out before going all the way back... Use a 7/8" wrench to loosen jam nut, and turn 5/8" adjuster screw clockwise ¼ turn to increase detent pressure. Run the splitter to check that it is operating properly. Repeat if necessary. When machine is working correctly snug the 7/8" jam nut to approximately 20 ft. lbs. of torque. DO NOT OVER TIGHTEN. Replace rubber cap on adjustment screw.
- If split handle kicks out before splitting the log, use same procedure as above to increase split detent pressure.
- If both handles kick out at same time, increase retract detent pressure or lower split detent pressure.

**Retract detent adjuster**

**Split detent adjuster**



**Split handle**

**Retract handle**

# MAINTENANCE & TROUBLESHOOTING

## SERIAL NUMBERS

All Wolfe Ridge Log splitters and conveyors have a serial number stamped into the frame before paint. The location is always located near the jack or tongue at the front of the machine. Some early model High Output machines had a stamp or weld underneath the tongue (produced 2016 thru early 2017). This serial number is needed for any warranty issues. Pictures below show the locations on each machine.

**28 PRO & Compact  
Commercial splitters  
Serial number**



**High Output & SHO splitters  
Serial number w/folding tongue**

**Serial number w/out folding  
tongue**



**Conveyor Serial numbers Stamped in main frame next to jack.**

## MAINTENANCE & TROUBLESHOOTING

**MACHINE SERIAL NUMBER** \_\_\_\_\_

**ENGINE SERIAL NUMBER** \_\_\_\_\_

Your engine will have a serial number stamped into the crank case. This serial number is needed for any warranty repairs by authorized service centers only. In most cases, they also require the serial number to be listed on original invoice as well. Please verify that the serial number on engine matches invoice. Keep invoice in a safe place for future use.

### NOTES, MAINTENANCE PERFORMED

Date	Hours	Work Performed

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