

**OWNER'S MANUAL** 



# 37 Ton Full Beam LOG SPLITTER



100250

SAVE THESE INSTRUCTIONS

Important Safety Instructions are included in this manual.

MADE IN CHINA REV 100250-20160412 12039 Smith Ave. Santa Fe Springs CA 90670 USA / 1-877-338-0999 www.championpowerequipment.com

# Have questions or need assistance?

Do not return this product to the store!

# WE ARE HERE TO HELP!

# Visit our website: www.championpowerequipment.com for more info:

- Product Info & Updates
- Tech Bulletins
- Frequently Asked Questions
   Product Registration

– or –

Call our Customer Care Team Toll-Free at:

1-877-338-0999

### **Parts Ordering:**

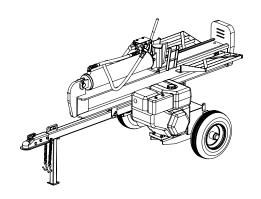
Mon - Fri 8:30 AM - 5:00 PM (PST/PDT) Toll Free: 1-877-338-0999

### For residents of California:

WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects and other reproductive harm.

WARNING: The engine exhaust from this product contains chemicals known to the State of California to cause cancer and birth defects and other reproductive harm.

\*We are always working to improve our products. Therefore, the enclosed product may differ slightly from the image on the cover.



# 37 Ton LOG SPLITTER

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# INTRODUCTION

Congratulations on your purchase of a Champion Power Equipment product. Champion Power Equipment and Champion Engine Technology designs, builds, and supports all of our products to strict specifications and guidelines. With proper product knowledge, safe use, and regular maintenance, this product should bring years of satisfying service.

Every effort has been made to ensure the accuracy and completeness of the information in this manual, and we reserve the right to change, alter and/or improve the product and this document at any time without prior notice.

Since CPE/CET highly value how our products are designed, manufactured, operated and are serviced, and also highly value your safety and the safety of others, we would like you to take the time to review this product manual and other product materials thoroughly and be fully aware and knowledgeable of the assembly, operation, dangers and maintenance of the product before use. Fully familiarize yourself, and make sure others who plan on operating the product fully familiarize themselves too, with the proper safety and operation procedures before each use. Please always exercise common sense and always error on the side of caution when operating the product to ensure no accidents, property damage, or injury occurs. We want you to continue to use and be satisfied with your CPE/CET product for years to come.

Record the model and serial numbers as well as date and place of purchase for future reference. Have this information available when ordering parts and when making technical or warranty inquiries.

Champion Power Equipment Support
1-877-338-0999
Model Number
100250
Serial Number
Date of Purchase
Purchase Location
For <b>Oil Type</b> see 'Add Engine Oil' section. For <b>Fuel Type</b> see 'Add Fuel' section.

# **MANUAL CONVENTIONS**

This manual uses the following symbols to help differentiate between different kinds of information. The safety symbol is used with a key word to alert you to potential hazards in operating and owning power equipment. Follow all safety messages to avoid or reduce the risk of serious injury or death.



DANGER indicates an imminently hazardous situation which, if not avoided, **will** result in death or serious injury.

# **⚠WARNING**

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

# **!** CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, *may* result in minor or moderate injury.

# **CAUTION**

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, *may* result in property damage.

# NOTE

If you have questions regarding your log splitter, we can help. Please call our help line at **1-877-338-0999** 

# **⚠WARNING**

Read this manual thoroughly before operating your log splitter. Failure to follow instructions could result in serious injury or death.

# **↑** WARNING

The engine exhaust from this product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

# **A DANGER**

Log Splitter engine exhaust contains carbon monoxide, a colorless, odorless, poison gas. Breathing carbon monoxide will cause nausea, dizziness, fainting or death. If you start to feel dizzy or weak, get to fresh air immediately.

Operate log splitter outdoors only in a well ventilated area. DO NOT operate the log splitter inside any building, enclosure or compartment. DO NOT allow exhaust fumes to enter a confined area through windows, doors, vents or other openings. **DANGER CARBON MONOXIDE**, using a log splitter indoors **CAN KILL YOU IN MINUTES**.

# **A** DANGER

Rotating parts can entangle hands, feet, hair, clothing and/or accessories. Traumatic amputation or severe laceration can result.

Keep hands and feet away from rotating parts. Tie up long hair and remove jewelry. Operate equipment with guards in place. DO NOT wear loose-fitting clothing, dangling drawstrings or items that could become caught.

# **WARNING**

Operation of this equipment may create sparks that can start fires around dry vegetation.

A spark arrestor may be required. The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements.

# **A DANGER**

Sparks can result in fire or electrical shock.

### When servicing the engine:

Disconnect the spark plug wire and place it where it cannot contact the plug. DO NOT check for spark with the plug removed. Use only approved spark plug testers.

# **⚠ WARNING**

Running engines produce heat. Severe burns can occur on contact. Combustible material can catch fire on contact.

DO NOT touch hot surfaces. Avoid contact with hot exhaust gases. Allow equipment to cool before touching. Maintain at least 3 ft. (91.4 cm) of clearance on all sides to ensure adequate cooling. Maintain at least 5 ft. (1.5 m) of clearance from combustible materials.

# **⚠ WARNING**

### Crush Hazard

Wedge can cut through skin and break bones. Keep all limbs away from wedge and endplate.

# ⚠ WARNING

### Projectile Hazard

Pieces of log may be ejected from the splitter while operating. Wear ANSI approved safety glasses when operating. Be alert.

# ⚠ WARNING

Keep Operator Work Zone Clear

Keep work zone clear of debris while working to ensure safe footing.

# **↑** WARNING

Before removing the pin installed into the front support leg make sure hitch is installed onto vehicle. Releasing the pin before will cause support leg to slide up and possibly cause injury.



# **⚠** DANGER

Skin Injection Hazard. High pressure hydraulic oil can inject under your skin.

Make sure all fittings are tightly secure before applying pressure. Relieve system of pressure before servicing.



# ⚠ WARNING

### **Towing Hazard**

ALWAYS check all local and state regulations regarding towing, licensing and lights before towing your log splitter. Review towing safety warnings in your towing vehicle manual.

Drive safely. Be aware of the added length of the log splitter. NEVER ride or transport cargo on the log splitter. Choose a level surface to operate the

**NEVER EXCEED MAX. Towing Speed 45 MPH** (72 KPH)

# **⚠ WARNING**

Rapid retraction of the starter cord will pull hand and arm towards the engine faster than you can let go. Unintentional startup can result in entanglement, traumatic amputation or laceration.

Broken bones, fractures, bruises or sprains could result.

When starting engine, pull the starter cord slowly until resistance is felt and then pull rapidly to avoid kickback.



# (I) CAUTION

Parts of the hydraulic circuit (cylinder, pump, valvebody, hoses) can become very hot during operation.

# **↑** WARNING

In most states towing on public streets is either prohibited or would require further licensing or modifications. Please check with your local authorities or DMV regarding regulations, restrictions and registration.

# **A** DANGER

Fuel and fuel vapors are highly flammable and extremely explosive.

Fire or explosion can cause severe burns or death. Unintentional startup can result in entanglement, traumatic amputation or laceration.

### When adding or removing fuel:

Turn the engine off and let it cool for at least two minutes before removing the fuel cap. Loosen the cap slowly to relieve pressure in the tank.

Only fill or drain fuel outdoors in a well-ventilated area. DO NOT pump gas directly into the engine at the gas station. Use an approved container to transfer the fuel to the engine.

DO NOT overfill the fuel tank.

Always keep fuel away from sparks, open flames, pilot lights, heat and other sources of ignition. DO NOT light or smoke cigarettes.

### When starting the engine:

DO NOT attempt to start a damaged engine. Make certain that the gas cap, air filter, spark plug, fuel lines and exhaust system are properly in place. Allow spilled fuel to evaporate fully before attempting to start the engine.

Make certain that the log splitter is resting firmly on level ground.

### When operating the log splitter:

DO NOT move or tip the log splitter during operation.

DO NOT tip the log splitter or allow fuel or oil to spill from the engine. Block the wheels to prevent unintended movement.

### When transporting or servicing the log splitter:

Make certain that the fuel shutoff valve is in the off position and the fuel tank is empty.

Disconnect the spark plug wire.

### When storing the log splitter:

Store away from sparks, open flames, pilot lights, heat and other sources of ignition.

# **⚠** CAUTION

Improper treatment or use of the log splitter can damage it, shorten its life and void your warranty.

Use the log splitter only for intended uses. Operate only on level surfaces. DO NOT expose log splitter to excessive moisture, dust, or dirt.

DO NOT allow any material to block the cooling slots. DO NOT use the engine if:

- Equipment sparks, smokes or emits flames
- Equipment vibrates excessively

# **SAFETY RULES**

### **Training**

- 1. Read the Operator's Manual completely before attempting to use this log splitter.
- Do not allow anyone to operate your log splitter who has not read the Operator's Manual or has not been instructed on the safe use of the log splitter.
- 3. Never allow children or untrained adults to operate this machine.
- 4. Many accidents occur when more than one (1) person operates the log splitter. If a helper is assisting in loading logs to be split, never actuate controls until helper is clear of the area.
- 5. Never allow anyone to ride on the machine.
- 6. Never transport cargo on the log splitter.
- 7. High fluid pressures are developed in hydraulic log splitters. Pressurized hydraulic fluid escaping through a pin hole opening can puncture skin and cause sever blood poisoning. Therefore, the following instructions should be heeded at all times.
  - a. Do not operate the unit with frayed, kinked, cracked or damaged hoses, fittings, or tubing.
  - Stop the engine and relieve hydraulic system pressure before changing or adjusting fittings, hoses, tubing, or other system components.
  - c. Do not adjust the pressure settings of the pump or valve.
  - d. Do not check for leaks with your hand. Leaks can be detected by passing cardboard or wood over the suspected area. Look for discoloration. If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.
- 8. Keep the operator zone and adjacent area clear for safe, secure footing.
- 9. If your log splitter is equipped with an internal-combustion engine and intended for use near any unimproved forest, brush, or grass covered land, the engine exhaust should be equipped with a spark arrestor. Make sure you comply with local, state, and federal codes. Take appropriate fire-fighting equipment with you.
- 10. Log splitters should be used only for splitting wood. Do not use for other purposes unless the manufacturer provides attachments and instructions.

### **Preparation**

- 1. Be thoroughly familiar with all controls and with proper use of the equipment.
- 2. Safety Gear:
  - a. Always wear safety shoes or heavy boots when operating the machine.
  - b. Always wear safety glasses or goggles when operating the machine.
  - c. Never wear jewelry or loose-fitting clothing that might become entangled in moving or rotating parts of the machine.
- Make sure the splitter is on a level surface. Block tires and ensure support leg is secure to prevent unintended movement of the log splitter during operation.
  - a. Always operate the splitter from the manufacturer's indicated operator zone.
- 4. Logs to be split on ram-type units should be cut as squarely as possible.
- 5. Fuel:
  - a. Use an approved fuel container.
  - b. Never add fuel to a running or hot engine.
  - c. Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors.
  - d. Replace gasoline cap securely and clean up any spilled fuel.

# **Operation**

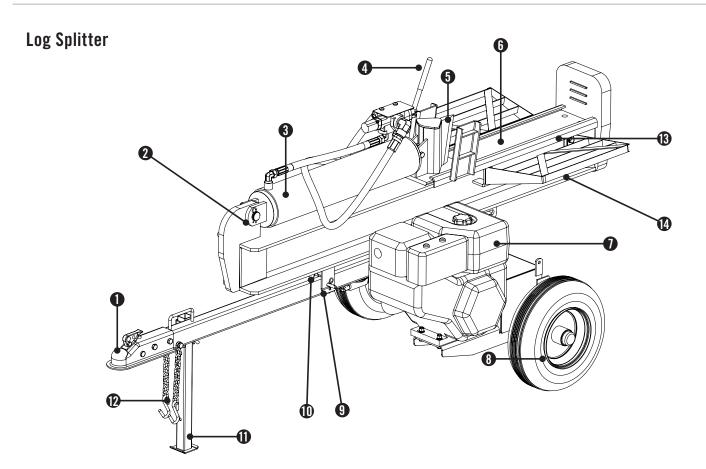
- 1. Before starting this log splitter, review all safety rules. Failure to follow these rules may result in serious injury to the operator or bystanders.
- Be sure to confirm all hose connections and hose clamps are tight before each use. It is possible for connections to vibrate loose over time.
- 3. Never leave the machine unattended with the power source operating.
- 4. Never operate the machine when under the influence of alcohol, drugs or medication.
- 5. The machine owner should instruct all operators in safe log splitter operation.
- Always operate the log splitter with all safety equipment in place and all controls properly adjusted for safe operation.
- 7. Always operate the log splitter at manufacturer's recommended speed.
- 8. Always keep hands and feet clear of moving parts.
- When loading a ram-type log splitter, place your hands on the sides of the log, not the ends. Never place your hands or any part of your body between a log and any part of the log splitter.
- 10. On ram-type log splitters, never attempt to split more than one (1) log at a time unless the ram has been fully extended and a second log is needed to complete the separation of the first log.
- 11. On ram-type log splitters on which the logs are not cut square, the longest portion of the log should be rotated down and the most square end placed against the ram.
- 12. Use only your hand to operate the log splitter controls.
- 13. Do not refuel the engine until it has cooled for several minutes.

# **Maintenance and Storage**

- 1. Always shut off the power source while repairing or adjusting the splitter except as recommended by the manufacturer.
- Clean debris and chaff from the engine cylinder, cylinder head fins, recoil starter cover, and muffler areas. If the engine is equipped with a spark arrestor muffler, clean and inspect it regularly (follow manufacturer's service instructions).
   Replace, if damaged.
- 3. Never store the unit indoors with fuel in the tank. Fumes might reach an open flame spark. Allow the engine to cool before storing in any enclosure.
- 4. Clear debris from moveable parts, but only when the power source is shut off.
- 5. Check to be sure all nuts and bolts are tight to assure the equipment is in safe working condition.

# **CONTROLS AND FEATURES**

Read this owner's manual before operating your log splitter. Familiarize yourself with the location and function of the controls and features. Save this manual for future reference.



- (1) 2 in. (5.1 cm) Ball Coupler For towing the log splitter behind your vehicle.
- (2) Mounting Plates Holds hydraulic cylinder in place.
- (3) Hydraulic Cylinder 5 in. bore (12.7 cm) x 23 in. (58.4 cm) stroke. Rated to 3600 psi.
- (4) Control Valve Handle Controls the movement of the cutting wedge.
- (5) Wedge
- (6) Splitting Beam
- **(7) Engine** 338cc, OHV.

- (8) Tires Maximum travel speed is 45 MPH (72 KPH).
- (9) **Beam Lock Pin** Secures in either horizontal or vertical position.
- (10) Beam Bracket Holds splitting beam in place.
- (11) **Support Leg** Supports log splitter while operating. Raise leg for towing.
- (12) Safety Chains For use while towing.
- (13) Log Cradle Prevents logs from rolling off beam.
- (14) Log Catchers

Your log splitter requires some assembly.

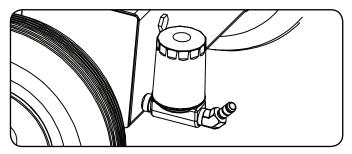
If you have any questions regarding the assembly of your log splitter, call our help line at 1-877-338-0999. Please have your serial number and model number available.

### Open Shipping Crate

- 1. Set the shipping crate on a solid, flat surface
- 2. Carefully cut the shipping bands and remove lid of shipping crate.
- 3. Locate all hardware before beginning assembly.

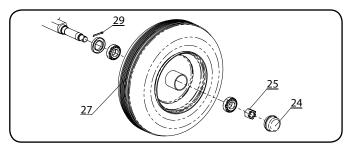
# 1) Install the Hydraulic Oil Filter

Install the oil filter base onto the hydraulic oil tank. The barb fitting should be oriented vertically and once installed the oil filter should be oriented so that it does not extend below the hydraulic oil tank.



### 2) Install the Wheels

- 1. Remove the two plastic shipping caps from the wheel hubs.
- 2. Slide the wheel (27) onto the axle.
  - a. Be sure the tire valve stem is facing out.
- 3. Thread the castle nut (25) on the axle and tighten by hand. Use a wrench to tighten another 1/4 turn.
- 4. Spin the wheel (27) to distribute the bearing grease.
- 5. Loosen the castle nut (25) and re-tighten by hand.
- 6. Install the cotter pin (29) through the axle and castle nut. (25)
- 7. Check to be sure the wheel (27) spins freely.
- 8. Install the axle cap (24) using a soft face mallet or hammer and wood block.
- 9. Repeat for the other wheel.



### 2) Install the Wheels Cont'd.



# **◯ NOTE**

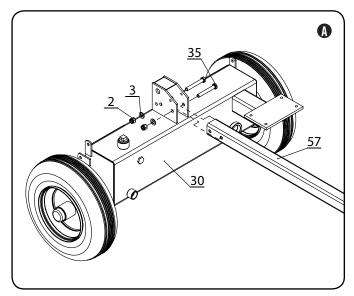
Keep dirt and debris away from the wheel bearings during assembly.

# **CAUTION**

Over-tightening the castle nut will cause the bearings to run hot and fail prematurely.

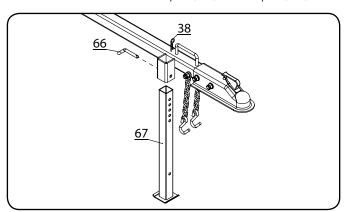
### 3) Install the Tow Bar

1. Attach the tow bar (57) to the bracket on top of the hydraulic oil tank (30) with two M12x85 bolts (35), M12 washers (3) and M12 lock nuts (2). (A)



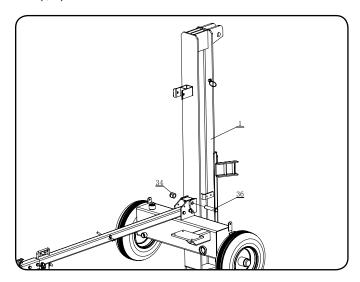
# 4) Install the Support Leg

1. Insert the support leg (67) into the leg holder on the tow bar and secure with pin (66) and R-pin (38).

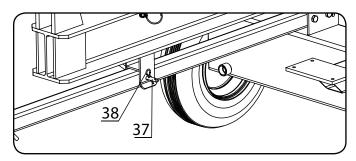


### 5) Install the Beam

- 1. Stand the beam (1) vertical on the foot plate.
- 2. Roll the tank into position so the pivot holes of the tank and beam are aligned.
- 3. Insert the bolt (36) and secure it with the lock nut (34).



- 4. Block the wheels to prevent the frame from rolling.
- 5. Pivot the beam to the horizontal position and secure it with the lock pin (37) and R-clip (38) through the tow bar.

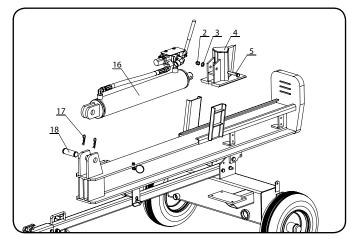


# **↑** WARNING

The beam is extremely heavy and should only be handled with 2 or more people. DO NOT try and lift or handle the beam without assistance.

# 6) Install the Cylinder and Wedge

- 1. Slide the wedge (4) under the beam rails. Push it toward the foot plate to make room for the cylinder (16).
- 2. Position the cylinder clevis between the mounting plates at the end of the beam.
- 3. Align the holes in the cylinder clevis to the holes on the mounting channels on the beam.
- 4. Slide the cylinder pin (18) through the mounting channel and cylinder clevis holes and secure with the two R-clips (17).
- 5. Align the holes in the cylinder rod end with the holes in the wedge.
- 6. Secure the cylinder rod end to the wedge with the bolt (5), washer (3) and lock nut (2). Tighten, but DO NOT over tighten.

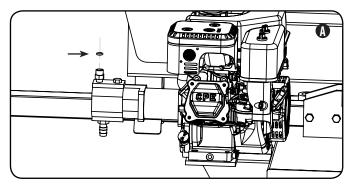


# **NOTE**

The cylinder rod may need to be rotated slightly in order to properly align the wedge. Insert a screwdriver into the bolt hole in the cylinder rod and slowly rotate as needed.

# 7) Install the Engine and Hoses

- 1. Attach the engine/pump to the engine mounting plate on the hydraulic oil tank. (A) Secure with hardware provided.
- 2. Place O-ring into the outlet fitting on the top of the pump. (A)



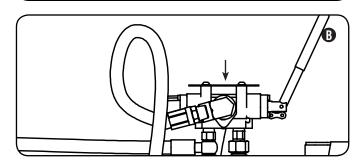
3. Connect one end of the high pressure hose to the pump outlet fitting and the other end to the inlet on the control valve. (B)



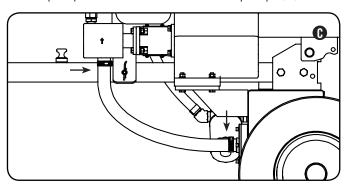
The swivel nut end of the high pressure hose connects to the pump outlet.



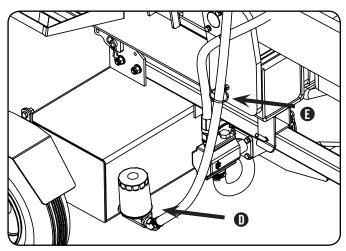
The pump outlet connection does NOT require teflon tape. The o-ring seals against the face of the fittings on the pump and hose. Tighten to approximately 12 ft-lb. Over-tightening can damage the pump.



4. Connect one end of the clear oil hose to the hydraulic oil tank just beneath the engine and the other end to the pump inlet on the bottom of the pump. (C)

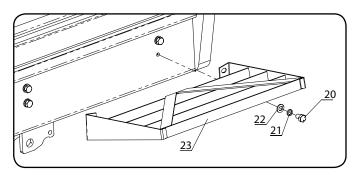


- 7) Install the Engine and Hoses Cont'd.
- 5. Connect one end of the oil return hose to the outlet barb fitting on the control valve and the other end to the barb fitting on the oil filter. (D)
- 6. Install the hose retaining ring to the side of the splitting beam. (E)



# 8) Install the Log Catchers

- 1. Attach log catcher (23) to side of beam with four M10x15 bolts (20), M10 lock washers (21), and M10 washers (22).
- 2. Repeat step 1 for the other side.



# Add Engine Oil



# **① CAUTION**

DO NOT attempt to crank or start the engine before it has been properly filled with the recommended type and amount of oil. Damage to the engine as a result of failure to follow these instructions will void your warranty.



# **♥ NOTE**

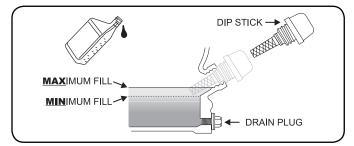
The recommended oil type is 10W-30 automotive oil.

- 1. Place the log splitter on a flat, level surface.
- 2. Remove oil fill cap/dipstick to add oil.
- 3. Using a funnel add up to 1.2 qt. (1.1 L) of oil and replace oil fill cap/dipstick. DO NOT OVERFILL.
- 4. Check engine oil level daily and add as needed.



# **◯** NOTE

Once oil has been added, a visual check should show oil about 1-2 threads from running out of the fill hole. If using the dipstick to check oil level, DO NOT screw in the dipstick while checking.





Check oil often during the break-in period. Refer to the Maintenance section for recommended service intervals. Add Engine Oil Cont'd.

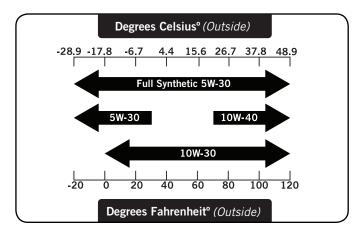
# **CAUTION**

The engine is equipped with a low oil shut-off sensor and will stop when the oil level in the crankcase falls below the threshold level.



# **NOTE**

We consider the first 5 hours of run time to be the break-in period for the engine. During the break in period we recommend using standard automotive non-synthetic blended oils. After the break in period synthetic lubricant can be used but is not required. Adjusting throttle setting will increase/ decrease engine speed helping to seat piston rings. Avoid bogging or lugging the engine down and avoid prolonged running at constant RPM. After the 5 hour break-in period, change the oil. Using synthetic lubricants does not increase the recommended oil change interval.



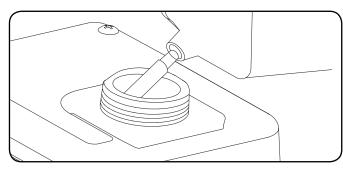


# **→ NOTE**

Weather will affect engine oil and engine performance. Change the type of engine oil used based on weather conditions to suit the engine needs.

### Add Fuel

- 1. Use clean, fresh, regular unleaded fuel with a minimum octane rating of 85 and an ethanol content of less than 10% by volume.
- 2. DO NOT mix oil with fuel.
- 3. Clean the area around the fuel cap.
- 4. Remove the fuel cap.
- 5. Slowly add fuel to the tank. DO NOT OVERFILL. Fuel can expand after filling. A minimum of 1/4 in. (6.4 mm) of space left in the tank is required for fuel expansion, more than ½ in. (6.4 mm) is recommended. Fuel can be forced out of the tank as a result of expansion if it is overfilled, and can affect the stable running condition of the product. When filling the tank, it is recommended to leave enough space for the fuel to expand.



6. Screw on the fuel cap and wipe away any spilled fuel.



Pouring fuel too fast through the fuel screen may result in blow back of fuel at the operator while filling.

Add Fuel Cont'd.

# (!) CAUTION

Use regular unleaded gasoline with a minimum octane rating of 85.

Do not mix oil and gasoline.

Fill tank to approximately ¼ in. (6.4 mm) below the top of the tank to allow for fuel expansion.

DO NOT pump gas directly into the tank at the gas station. Use an approved container to transfer the fuel to the tank.

DO NOT fill fuel tank indoors.

DO NOT fill fuel tank when the engine is running or hot.

DO NOT overfill the fuel tank.

DO NOT light cigarettes or smoke when filling the fuel tank.



# **♥ NOTE**

Our engines work well with 10% or less ethanol blend fuels. When using blended fuels there are some issues worth noting:

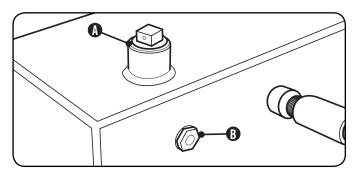
- Ethanol-gasoline blends can absorb more water than gasoline alone.
- These blends can eventually separate, leaving water or a watery goo in the tank, fuel valve and carburetor.
- With gravity-fed fuel supplies, this compromised fuel can be drawn into the carburetor and cause damage to the engine and/or potential hazards.
- There are only a few suppliers of fuel stabilizer that are formulated to work with ethanol blend fuels.
- Any damages or hazards caused by using improper fuel, improperly stored fuel, and/ or improperly formulated stabilizers, are not covered by manufacture's warranty.

It is advisable to always shut off the fuel supply, run the engine to fuel starvation and drain the tank when the equipment is not in use for more than 30 days.

# **ASSEMBLY**

### Add Hydraulic Oil

- Make sure the log splitter is on a flat, level surface.
- 2. Remove the oil plug from the oil tank. (A)
- 3. Add 5 gal. (18,9 L) of hydraulic oil see specification section for types of acceptable oil.
- 4. Check the hydraulic oil level using the oil sight glass. Oil level should visibly fill the glass sight. (B)



# **↑** WARNING

DO NOT remove the hydraulic oil fill cap when the engine is running or hot. Hot oil can escape causing severe burns. Always allow the log splitter to cool completely before removing the hydraulic oil cap. High fluid pressure and temperatures are created in the hydraulic log splitters. Hydraulic fluid will escape through a pin-size hole opening and can puncture skin and cause severe blood poisoning. Inspect hydraulic system regularly for possible leaks. Never check for leaks with your hand while the system is pressurized. Seek medical attention immediately if injured by escaping fluid.

- 5. Replace and tighten the oil plug and orient the vent hole away from the operator zone.
- 6. Start Engine. Extend and retract the wedge to purge air from the hydraulic system. When the wedge motion is smooth, the system is properly purged.
- 7. Check the hydraulic oil tank sight glass. Add approximately 1 gallon of hydraulic oil to bring the level back up to the sight glass.
- 8. Check oil level daily and add as needed.



# **♥ NOTE**

When the outdoor tempurature is below 32 °F, Dexron III transmission fluid can be used. Do not mix hydraulic oil and transmission fluid. Drain all oil or fulid before adding the other one.



# **♥ NOTE**

To check oil level, use the oil sight glass on the side of the beam. The oil sight glass has a marker for the acceptable level of oil. If oil is below the marker, add oil as needed.

### Before Each Use Inspect the Log Splitter

- 1. Check the hydraulic oil level and visually inspect all hoses, attachments and cylinder for loose fittings, leaks, cracks, fraying or other damage.
- 2. DO NOT operate the log splitter if there is any indication of damage.
- 3. Inspect the engine and make sure the oil level is correct before operating. If the engine is equipped with a spark arrestor, clean and inspect it regularly (follow spark arrestor maintenance schedule).
- 4. The tires need to be fully inflated and in good repair. Reference the tire sidewall for recommended tire pressure.

# **↑** WARNING

DO NOT over inflate tires. Serious injury can result if tires explode.

DO NOT tow the log splitter if the tires are worn or will not hold air.

DO NOT exceed the maximum 45 MPH (72 KPH) towing speed.

# **Towing Log Splitter Safety**

- 1. Always check local and state regulations regarding the requirements for towing, licensing and lights.
- 2. Before towing make sure the log splitter is correctly and securely attached to the vehicle and the safety chains attached with enough slack to allow for turning.
- 3. Support leg must be pinned in the "UP" position for towing.
- 4. Never exceed the max. travel speed of 45 mph (72 kph). Towing the log splitter at speeds greater than 45 mph (72 kph) could result in serious injury or death. Always adjust your towing speed according to the terrain and conditions.
- 5. Always disconnect the log splitter from the towing vehicle before operating.

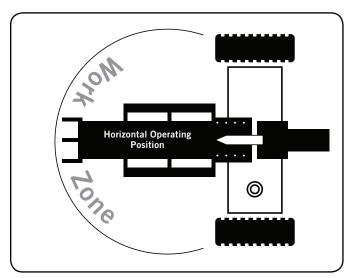
# **Log Splitter Location**

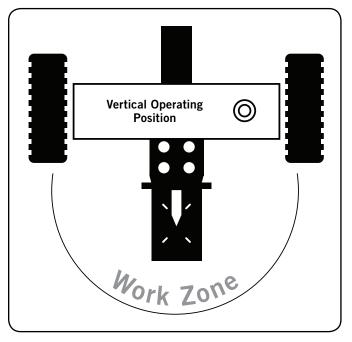
This log splitter must have at least seven feet of clearance from combustible material. Leave at least three feet of clearance on all sides of the log splitter to allow for adequate cooling, maintenance and servicing. DO NOT place the log splitter near vents or intakes where engine exhaust fumes could be drawn into occupied or confined spaces. **ONLY operate the log splitter outdoors.** 

### Log Splitter Location Cont'd.

The log splitter needs to be on a dry level surface with good footing. DO NOT work on mud, ice, tall grass, brush or snow.

Only operate log splitter from work zone shown below.





# **→ NOTE**

For Vertical Operation:

- Remove the beam lock-pin from the beam bracket
- Use handle on cylinder to rotate beam to vertical position
- Insert beam lock-pin in the pivot bracket

Log Splitter Location Cont'd.

# **MARNING**

ALWAYS use the log splitter for its intended use. The log splitter should only be used to split wood logs, length wise with the grain.

NEVER modify, alter or change the log splitter in anyway. Modifications will void the warranty.

NEVER attach a rope, cable or other device to the control lever on the log splitter.

DO NOT modify or change the engine and operating speeds or pressure settings. These changes can cause safety issues.

ONLY operate the log splitter in daylight.

NEVER operate, or let anyone else operate, the log splitter while under the influence of alcohol, drugs, or medication.

NEVER leave the log splitter unattended while the engine is running.

DO NOT change the splitting position with the engine running. Contact with the muffler can cause serious burns.

Always make sure the beam is in the locked position. DO NOT let the beam drop as it could crush fingers or cause damage to the log splitter.

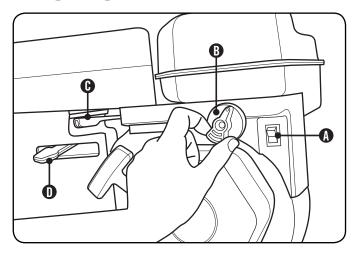
# **Starting the Engine**

- Make certain the log splitter is on a flat, level surface.
- 2. Flip engine switch to "ON" position (Item A).
- 3. Rotate the fuel valve to the "ON" position (Item B).
- 4. Move the throttle lever (Item C) to the "Fast" position.
- 5. Move the choke lever (Item D) to the "Choke" position.
- 6. Pull the starter cord slowly until resistance is felt and then pull rapidly. **SEE NOTE BELOW.**
- 7. As engine warms up, move the choke lever (Item D) to "Run."



Keep choke lever in "Choke" position for 2 pulls of the recoil starter. After second pull, move choke lever to the "Run" position for up to the next 3 pulls of the recoil starter. Too much choke leads to spark plug fouling/engine flooding due to the lack of incoming air. This will cause the engine not to start.

Starting the Engine Cont'd.



# **NOTE**

If the engine starts but does not run make certain that the log splitter is on a flat, level surface. The engine is equipped with a low oil sensor that will prevent the engine from running when the oil level falls below a critical threshold.

# **Stopping the Engine**

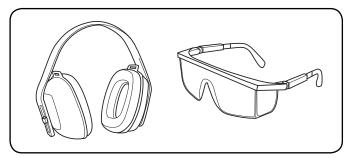
- 1. Turn the fuel knob to the "Off" position. (B)
- 2. Let the engine run until fuel starvation has stopped the engine. This usually takes a few minutes.
- 3. Turn the engine switch to the "Off" position. (A) **Important:** Always ensure that the Fuel Valve and the Engine Switch are in the "OFF" position when the engine is not in use.



If the engine will not be used for a period of two (2) weeks or longer, please see the Storage section for proper engine and fuel storage.

### **Log Splitter Operation**

1. ALWAYS wear ear and eye protection, protective clothing and safety gear.



- 2. Block tires and ensure support leg is secure to prevent unintended movement of the log splitter during operation.
- 3. Set log splitter in either the horizontal or vertical position.



HORIZONTAL position is used for lighter logs that can easily be loaded onto the beam.

VERTICAL position is used for light logs as well as heavy logs that are difficult to load onto the beam. Back injury can result from lifting logs onto the log splitter if proper lifting techniques are not used.

- 4. Load a log onto the beam against the end plate (MAX LOG LENGTH - 24 in. [61 cm]).
- 5. Make sure all limbs are clear of crush zones.
- 6. Push the control valve handle forward (towards the end plate) to split the log.
- 7. Push the auto control valve handle backward to return the wedge to its original position.
- 8. Clear the split wood from the work zone.



It is normal for the hydraulic fluid to appear foamy/ frothy during operation. This can be caused by agitated oil in the tank collecting air.

Log Splitter Operation Cont'd.



# **◯ NOTE**

If a log gets stuck, embedded or will not split completely, push the control handle in the reverse direction and allow the splitter to strip the log from the wedge.

ALWAYS keep hands clear of the log and wedge while it is retracting.



The cylinder stroke is designed so the wedge stops approximately 1.5 in. (3.8 cm) from the end plate.

# MAINTENANCE AND STORAGE

### **Operation at High Altitude**

The density of air at high altitude is lower than at sea level. Engine power is reduced as the air mass and air-fuel ratio decrease. Engine power and output will be reduced approximately 3½% for every 1000 feet of elevation above sea level. This is a natural trend and cannot be changed by adjusting the engine. At high altitudes increased exhaust emissions can also result due to the increased enrichment of the air fuel ratio. Other high altitude issues can include hard starting, increased fuel consumption and spark plug fouling. To alleviate high altitude issues other than the natural power loss, Champion Power Equipment can provide a high altitude carburetor main jet. The alternative main jet and installation instructions can be obtained by contacting Customer Support. Installation instructions are also available in the Technical Bulletin area of the Champion Power Equipment internet site.

The part number and recommended minimum altitude for the application of the high altitude carburetor main jet is listed in the table below.

In order to select the correct high altitude main jet it is necessary to identify the carburetor model. For this purpose, a code is stamped on the side of the carburetor. Select the correct main jet part number corresponding to the carburetor code found on your particular carburetor.

Carburetor Code	Main Jet	Part Number	Altitude
P23-1-Z	Standard	46.131017.01.Z	
P23-1-Z	Altitude	46.131017.01.01.Z	
P23-1-H	Standard	46.131017.01.H	4500 Feet
F23-1-F	Altitude	46.131017.01.01.H	(1372 Meters)
P23-1-Y	Standard	46.131017.01.Y	
FZ3-1-Y	Altitude	46.131017.01.01.Y	

# **MARNING**

Operation using the alternative main jet at elevations lower than the recommended minimum altitude can damage the engine. For operation at lower elevations, the standard main jet must be used. Operating the engine with the wrong engine configuration at a given altitude may increase its emissions and decrease fuel efficiency and performance.

# MAINTENANCE AND STORAGE

The owner/operator is responsible for all periodic maintenance.



Never operate a damaged or defective log splitter.



Improper maintenance will void your warranty.



For service or parts assistance, contact our help line at **1-877-338-0999**.

Complete all scheduled maintenance in a timely manner. Correct any issue before operating the log splitter.

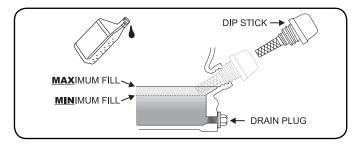
### **Engine Maintenance**

To prevent accidental starting, remove and ground spark plug wire before performing any service.

### 0il

Change oil when the engine is warm. Refer to the oil specification to select the proper grade of oil for your operating environment.

- 1. Remove the oil drain plug with a 15 mm socket and extension. (not included)
- 2. Allow the oil to drain completely.
- 3. Replace the drain plug.
- 4. Remove oil fill cap/dipstick to add oil.
- 5. Using a funnel, add up to 1.2 qt. (1.1 L) of oil and replace oil fill cap/dipstick. Do NOT overfill.
- 6. Dispose of used oil at an approved waste management facility.

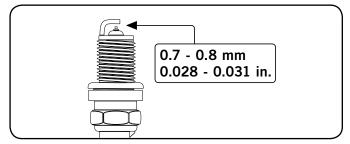


# **♥ NOTE**

Once oil has been added, a visual check should show oil about 1-2 threads from running out of the fill hole. If using the dipstick to check oil level, DO NOT screw in the dipstick while checking.

### **Spark Plugs**

- 1. Remove the spark plug cable from the spark plug.
- 2. Use a spark plug socket (not included) to remove the plug.
- 3. Inspect the electrode on the plug. It must be clean and not worn to produce the spark required for ignition.
- 4. Make certain the spark plug gap is 0.7 0.8 mm (0.028 0.031 in.).



- 5. Refer to the spark plug section on the Specifications page when replacing the plug.
- 6. Carefully thread the plug into the engine.
- 7. Use a spark plug socket (not included) to firmly install the plug.
- 8. Attach the spark plug wire to the plug.

### Air Filter

- 1. Unscrew wing nut to remove the air filter cover.
- 2. Remove the supporter and foam element.
- 3. Tap the foam element to remove dirt and debris. Use compressed air (25 PSI) to clear debris.
- 4. For the foam element: Wash in liquid detergent and water. Squeeze thoroughly dry in a clean cloth.
- 5. Saturate in clean engine oil.
- 6. Squeeze in a clean, absorbent cloth to remove all excess oil.
- 7. Reassemble the elements and the supporter.
- 8. Reattach the air filter cover and snap in place.
- 9. Tighten wing nuts.

# Log Splitter Maintenance

Make certain that the log splitter is kept clean and stored properly. Only operate the unit on a flat, level surface in a clean, dry operating environment. DO NOT expose the unit to extreme conditions, excessive dust, dirt, moisture or corrosive vapors.

Inspect all air vents and cooling slots to ensure that they are clean and unobstructed.

Check and tighten all bolts and nuts before operating the log splitter.

Be sure to confirm all hose connections and hose clamps are tight before each use. It is possible for connections to vibrate loose over time.

# MANTENANCE AND STORAGE

### Cleaning

Clear the debris from the beam, wedge and end plate. Use a damp cloth to clean exterior surfaces of the engine and log splitter.

Use a soft bristle brush to remove excess dirt and oil. Use an air compressor (25 PSI) to clear dirt and small debris. Wipe all metal parts with an oily rag to help prevent rust and corrosion.

# **!** CAUTION

DO NOT use a garden hose to clean the engine or log splitter.

Water can contaminate the fuel system and can enter the engine through the cooling slots and damage the engine.

### Maintenance Schedule

Follow the service intervals indicated in the schedule below. Service your log splitter more frequently when operating in adverse conditions. Contact our help line at **1-877-338-0999** to locate the nearest Champion Power Equipment authorized service dealer for your log splitter or engine maintenance needs.

Every 8 hours or daily		
Check engine and hydraulic oil levels		
Clean around air intake and muffler		
First 5 Hours		
Change engine oil		
Every 50 hours or every season		
Clean air filter		
Change engine oil if operating under heavy load or in hot environments		
Every 100 hours or every season		
Change engine oil		
Clean/Adjust spark plug		
Check/Adjust valve clearance*		
Clean fuel tank and filter*		
Change hydraulic oil		
Change hydraulic oil filter		
Every 250 hours		
Clean combustion chamber*		
Every year		
Inspect wheel bearings and repack bearing grease as needed.		
Every 3 years		
Replace fuel line		

<sup>\*</sup>To be performed by knowledgeable, experienced owners or Champion Power Equipment certified dealers.

### **Storage**

Refer to the Maintenance section for proper cleaning instructions.

### Log Splitter Storage

- 1. The log splitter needs to be cool for at least 5 minutes before storing.
- 2. Clean the log splitter before storage according to the Maintenance section.
- 3. Retract the wedge to protect the rod from corrosion.
- 4. Wipe the beam and wedge with an oily rag to prevent rust and corrosion.

### **Engine Stored for Less than 30 Days**

- 1. Allow the engine to cool completely before storage.
- 2. Clean engine according to the Maintenance section.
- 3. To extend the fuel storage life add fuel stabilizer.
- 4. Turn the fuel valve to the off position.

### **Engines Stored for Over 30 Days**

- 1. Run the engine with the fuel valve in the "Off" position until the engine stops.
- 2. The engine needs to cool completely before storage.
- 3. Clean engine according to the Maintenance section.
- 4. Drain all fuel completely from the fuel line and carburetor to prevent gum from forming.
- 5. Add a fuel stabilizer into the fuel tank.
- 6. Change the oil.
- 7. The fuel valve needs to be in the off position.
- 8. Remove the spark plug and pour about 1/2 ounce (14.8 mL) of oil into the cylinder. Crank the engine slowly to distribute the oil and lubricate the cylinder.
- 9. Reattach the spark plug.

# **AWARNING**

Never store the log splitter inside next to appliances where there is a source of heat or open flame, spark or pilot light because they can ignite gasoline vapors. DO NOT store a log splitter near fertilizer or any corrosive material.

Even with an empty gas tank, gasoline vapors could ignite.

### Hydraulic Oil

- 1. Change hydraulic oil when the log splitter is warm. Change after first 50 hours, then every 100 hours.
- 2. Place a collection pan under the tank.
- 3. Remove drain plug on the bottom of the tank and allow oil to drain completely.
- 4. Replace oil drain plug.
- 5. Remove R3/4 screw and add up to 5 gallons (18.9 L) of hydraulic oil.
- 6. Replace R3/4 screw.
- 7. Start engine and purge air from hydraulic system.

# **Log Splitter Specifications**

_	Ram Force
_	Cycle Time
_	Hydraulic Tank Capacity 5 gal (18.9 L)
_	Max Log Length 24 in. (61 cm)
_	Max Log Weight
_	Coupler Ball Size 2 in. (5.1 cm)
_	Tire Size
_	Max towing speed 45 MPH (72 KPH)
_	Engine
_	Cylinder size 5 in. x 23 in. (12.7 cm x 58.4 cm)
_	Cylinder rod size 1.8 in. (4.5 cm)
_	Gear Pump
_	Max pressure
_	Max flow capacity
_	Control Valve Detent (auto-return)
_	Overall Dimensions
_	Gross Weight
_	Net Weight
_	Height
_	Width 40.8 in. (103.7 cm)
-	Length

### **Engine Specifications**

_	Model
_	Displacement
_	Type
_	Start Type Recoil

# **Spark Plugs**

**OEM spark plug:** NHSP F6RTC

**Replacement spark plug:** NGK BPR6ES or equivalent Make certain the spark plug gap is 0.7 - 0.8 mm or (0.028 - 0.031 in.).

### **Maintenance Valve Clearance**

- Intake: 0.13 0.17 mm (0.005 0.007 in.)
- Exhaust: 0.18 0.22 mm (0.007 0.009 in.)

Note: Tech bulletin regarding the valve adjustment procedure is on www.championpowerequipment.com.

### Fuel

Fuel capacity is 1.6 gallons (6.2 L). Use regular unleaded gasoline with a minimum octane rating of 85 and an ethanol content of less than 10% by volume.



Weather will affect engine oil and engine performance. Change the type of engine oil used based on weather conditions to suit the engine needs.

### **Hydraulic Oil System**

Oil capacity is 6.8 gallons (25.7 L). For year round use in warmer climates (always ABOVE 40 °F/ 4 °C):

- AW-32
- Universal Hydraulic Oil

For year round use in colder climates (BELOW 40 °F/ 4 °C):

Automatic Transmission Fluid



# $\bigcirc$ NOTE

When temperature is below 40° F (4°C) use Automatic Transmission Fluid (Dexron-III or similar).

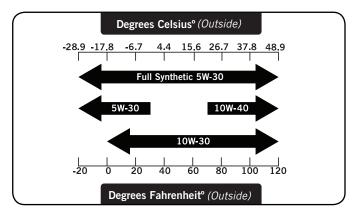
# **Engine Oil**

Use 10W-30 automotive oil.

Oil capacity is 1.2 qt. (1.1 L).

DO NOT OVERFILL.

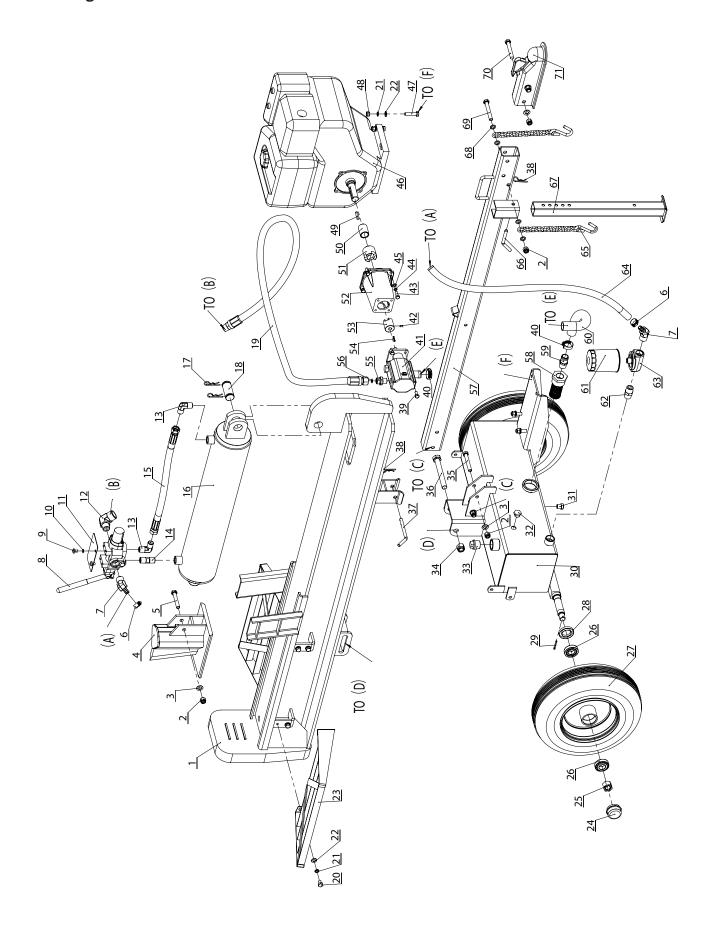
Please reference the following chart for recommended oil types for use in the log splitter.



# An Important Message About Temperature

Your Champion Power Equipment product is designed and rated for continuous operation at ambient temperatures up to 40°C (104°F). When your product is needed your product may be operated at temperatures ranging from -15°C (5°F) to 50°C (122°F) for short periods. If the product is exposed to temperatures outside this range during storage, it should be brought back within this range before operation. In any event, the product must always be operated outdoors, in a well-ventilated area and away from doors, windows and other vents.

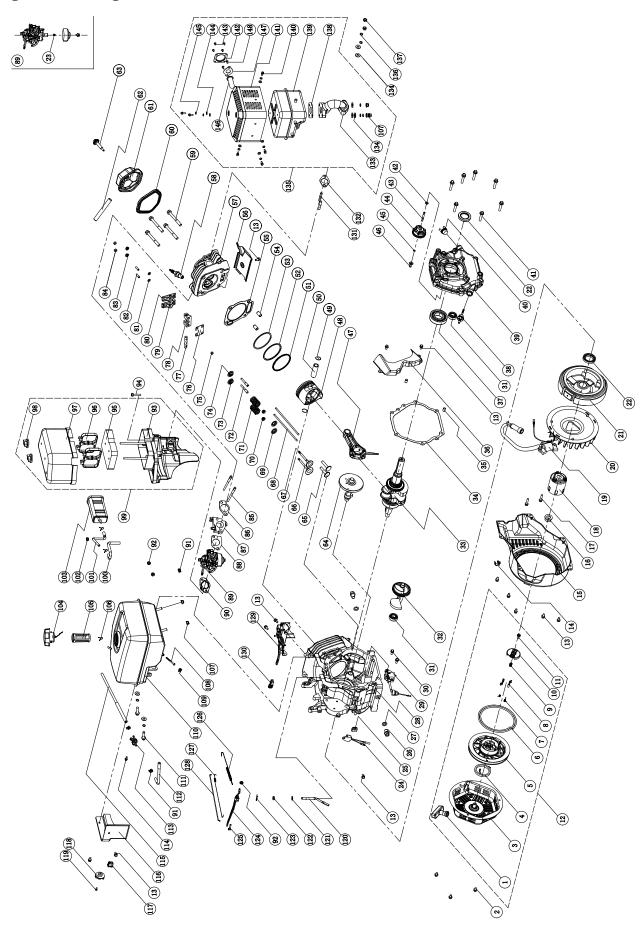
# Parts Diagram



#	Part Number	Description	Qty
1	PMJ37N-02-00	Beam	1
2	GB/T 889.1-2000(M12)	Lock Nut M12	6
3	GB/T 95-2000(Ø12)	Washer Ø12	5
4	PMJ37N-04-00	Wedge Slide	1
5	GB/T 5782- 2000(M12×75)	Bolt 12 x 75 (12.9)	1
6	JB/T 8870-1999	Clamp d25	2
7	PMJ22G-49	Filter Housing "OUT" Connection	2
8	PMJ22J-12	Control Valve	1
9	GB/T 818-2000 (M8 x 12)	Bolt M8 x 12	2
10	GB/T 859-1987(Ø8)	Washer Ø8	2
11	PMJ22J-19	Plate	1
12	PMJ22G-51	Filter Housing "IN" Connection	1
13	PMJ7-15	Right Angle Joiner	2
14	PMJ22M-22	Valve Joiner	1
15	PMJ37N-16	Hydraulic Hose(Valve-Cylinder)	1
16	PMJ37N-08-00-Y	Cylinder(Yellow)	1
17	GJY12-3	R Pin	2
18	PMJ37N-13	Wedge Pin	1
19	PMJ22J-18	Hydraulic Hose(Valve-Pump)	1
20	GB/T 5781-2000 (M10 x 15)	Bolt M10 x 15	8
21	GB/T 93-1987(Ø10)	Lock Washer Ø10	12
22	GB/T 95-2000(Ø10)	Washer Ø10	12
23	PMJ30F-01-Y	Log Catcher(Yellow)	2
24	PMJ22J-05-02	Axle Cap	2
25	GB/T 9459-1988 (M20 x 1.5)	Slotted Nut M20 x 1.5	2
26	L44634 LYC DS	Tapered Bearing	4
27	PMJ37N-05-03-Y	Wheel(Yellow)	2
28	PMJ22J-05-01	Cased Seal	2
29	GB/T 91-2000(Ø4 x 32)	Cotter Pin Ø4 x 32	2
30	PMJ37N-01-00	Oil Tank	1
31	PMJ22G-19	Oil Plug	1
32	GB 1160.2-89	Oil Scale	1
33	PMJ22G-18	Screw NPT 1 in	1
34	GB/T 889.1-200 (M18)	Lock Nut M18	1
35	GB/T 5782-2000 (M12 x 85)	Bolt M12 x 85	2
36	PMJ37N-14	Bolt M18 x 145	1

#	Part Number	Description	Qty
37	PMJ22J-15	Pin	1
38	PMJ22G-30	R Pin	2
39	GB/T 5783-2000 (M8 x 20)	Bolt M8 x 20	4
40	JB/T 8870-1999	Clamp d40	2
41	PMJ35-10	Gear Pump	1
42	GB/T 77-2000(M6 x 10)	Screw M6 x 10	1
43	ASME B18.2.1 1996	Bolt 5/16 in24 x 1 in.	4
44	GB/T 93-1987(Ø8)	Lock Washer Ø8	4
45	GB/T 95-2000(Ø8)	Washer Ø8	4
46	YF182F-001	Engine	1
47	GB/T 5780-2000 (M10 x 45)	Bolt M10 x 45	4
48	GB/T 41-2000(M10)	Nut M10	4
49	PMJ30-32	Flat Key 6.3 x 6.3	1
50	PMJ30-29	Engine Bushing	1
51	PMJ30-28	Engine Connector	1
52	PMJ30-23	Gear Pump Stand	1
53	PMJ22G-26	Gear Pump Connector	1
54	GB/T 1096-1979	Flat Key 3 x 3	1
55	PMJ22G-21	Outlet Connector Of Pump	1
56	GB/T 3452.1-92 (Ø10 x 2.65)	"O" Ring Ø10 x 2.65	1
57	PMJ37N-03-00	Base Tube	1
58	PMJ22Q-20	Internal Oil Filter	1
59	PMJ22Q-22	Filter Connector	1
60	PMJ30-17	Oil Pipe	1
61	PMJ22G-52	Auto Filter	1
62	PMJ22Q-23	Through Joint	1
63	PMJ22G-50	Auto Filter Base	1
64	PMJ22G-15	Hydraulic Hose(Valve-Oil Tank)	1
65	PMJ22G-41	Safety Chain With Hook	2
66	PMJ22J-10	Pin	1
67	PMJ22J-07-00	Front Support Leg	1
68	GB/T 97.2-1985(Ø12)	Washer Ø12	4
69	GB/T 5782-2000 (M12 x 90)	Bolt M12 x 90	1
70	GB/T 5782-2000 (M12 x 80)	Bolt M12 x 80	2
71	PMJ22G-40	2 in. Coupler	1

# **Engine Parts Diagram**



#	Part Number	Description	Qty
1	21.061300.00	Handle, Recoil, Soft	1
2	1.5789.0608	Flange Bolt M6 × 8	3
3	46.061100.00.1	Cover, Recoil Starter, Black	1
4	45.060005.00	Spring, Recoil Starter	1
5	45.061102.00	Reel, Recoil Starter	1
6	2.10.003 45.060003.00	Rope Ø5 x 1550	2
7 8	45.060003.00	Spring, Ratchet Starter Ratchet, Steel	2
9	45.060009.00	Spring, Ratchet Guide	1
10	45.060007.00	Ratchet Guide	1
11	45.060008.00	Screw, Ratchet Guide	1
12	46.061000.00	Recoil Assembly	1
13	1.5789.0612	Flange Bolt M6 x 12	13
14	2.05.003	Clamp Ø11.5 × 10	1
15 16	46.080100.00.48 2.02.007	Fan Cover, Yellow Nut M16 x 1.5	1
17	1.5789.0629	Flange Bolt M6 × 29	2
18	45.060001.00	Pulley, Starter	1
19	46.123000.03	Ignition Coil, Silicon Rubber	1
20	45.080001.00	Cooling Fan	1
21	46.120100.03	Flywheel	1
22	2.11.007	Oil Seal Ø35 x Ø52 x 8	2
23	46.131017.01	Standard Main Jet	1
	46.131017.01.01	Altitude Main Jet	1
24	21.120400.01 45.030032.00	Diode Assembly Sheath, Wire	1
26	2.08.039	Drain Bolt M12 × 1.5 × 15	2
27	2.03.023	Washer Ø12.5 × Ø20 × 2, Drain Bolt	2
28	46.030100.00	Crankcase	1
29	45.127000.02	Oil Level Sensor	1
30	1.5789.0615	Flange Bolt M6 × 15	2
31	1.276.6202	Bearing 6202	2
32	47.050006.00	Weight Balancer	1
33	45.050100.09 46.030008.00	Crankshaft, U Gasket, Crankcase Cover	1
35	2.04.001	Dowel Pin Ø9 × 14	2
36	46.080600.00	Air Guide, Right Side	1
37	1.276.6207	Bearing 6207	1
38	46.031000.00.48	Oil Dipstick Assembly, Yellow	1
39	45.030007.01	Cover, Crankcase	1
40	22.031000.01.48	Oil Filler Cap, Yellow	1 -
41	1.5789.0840.0.8 2.03.021.1	Flange Bolt M8 × 40  Washer Ø6.4 × Ø13 × 1, Black	7
43	45.110013.00	Shaft, Governor Gear	1
44	45.110100.00	Gear, Governor	1
45	21.110011.00	Clip, Governor Gear	1
46	45.110012.00	Bushing, Governor Gear	1
47	47.050200.00	Connecting Rod	1
48	46.050005.01	Piston	1
49	2.09.004	Circlip Ø21 × Ø1	2
50 51	45.050003.00 46.050303.01	Pin, Piston Ring, Oil	1
52	46.050303.01	Ring, Second Piston	1
53	46.050301.01	Ring, First Piston	1
54	2.04.004	Dowel Pin Ø12 × 20	2
55	46.030009.00	Gasket, Cylinder Head	1
56	46.080400.00	Air Guide, Lower	1
57	46.010100.00	Cylinder Head	1
58	2.15.002(F6RTC)	Spark Plug F6RTC	1
59 60	2.08.014 46.020002.00	Flange Bolt M10 x 80  Gasket, Cylinder Head Cover	1
61	46.021000.00	Cover, Cylinder Head	1
62	45.020001.00	Breather Tube	1
63	45.020100.00	Bolt, Cylinder Head Cover	1
64			1
65	45.040013.00 Lifter, Valve		2
66	45.040002.00 Valve, Intake		1
67	45.040006.00		
68 69	46.040005.00 45.040015.00		
70	45.040015.00		
71	45.040003.00	Spring, Valve 2	
72	23.040010.00	Bolt, Rocker Arm 2	
72	45.040001.00	Retainer, Intake Valve Spring	1
73			

- 11	D. I.Ml.	Barrell attention	01
#	Part Number	Description	Qty
75	45.040008.00	Rotator, Exhaust Valve	1
76	46.040004.00	Guide Plate, Push Rod	
77	46.040016.00	Shaft, Rocker Arm	1
78	46.040201.00	Retainer, Rocker Arm Rocker Arm, Intake Valve	1
79 80	46.040009.00 46.040018.00	Rocker Arm, Exhaust Valve	
81		· · · · · · · · · · · · · · · · · · ·	2
82	1.97.1.06 22.040012.00	Washer Ø6 Screw, Valve Adjustment	2
83	1.6177.1.06	Flange Nut M6	2
84	21.040021.00	Nut M6 × 0.5, Lock	2
85	2.01.013	Stud Bolt M6 × M8 × 131	2
86	46.130002.20	Gasket, Insulator	1
87	45.130001.01	Insulator, Carburetor	1
88	46.130003.00	Gasket, Carburetor	1
00	46.131000.01	dasket, Carburetor	-
89	46.131000.03	Carburetor	1
90	45.130004.00	Gasket, Air Cleaner	1
91	2.06.007	Clamp Ø8 × b6	3
92	1.6177.06	Flange Nut , M6	3
93	46.091100.01	Base, Air Cleaner	1
94	1.5789.0633	Flange Bolt M6 × 33	1
95	46.091003.02	Element, Air Cleaner	1
96	46.091102.02	Supporter, Air Cleaner	2
97	46.091200.02	Cover, Air Cleaner	1
98	46.091600.01	Screw Cap, Air Cleaner Cover	2
99	46.091000.02	Air Cleaner Assembly	1
100	46.070013.00	Pipe, Air Cleaner	1
101	46.070014.00	Pipe, Reversal Valve	1
102	2.12.001	Buffer Ø7.5 × 7.5	1
103	46.070700.00	Carbon Canister,150CC	1
104	24.070100.02	Cap, Fuel Tank	1
105	46.070300.00	Fuel Filter, Fuel Tank	1
106	2.06.006	Clamp Ø7 × Ø1	3
107	1.6187.1.08	Nut M8	5
108	111.070300.01	Fuel Filter, Fuel Pipe	1
109	2.06.018	Clamp Ø10.5 x b8	1
110	46.071000.01.1	Fuel Tank, Black	1
111	1.5789.0832	Flange Bolt M8 x 32	2
112	46.070011.00	Pipe, Fuel Tank To Fuel Valve	
113	24.070400.00	Fuel Valve	
114	1.16674.0512.2	Flange Bolt M5 x 12	
115	46.070011.01	Pipe, Fuel Valve To Carburetor	
116	46.070010.00	Veil, Fuel Tank	
117	5.1010.003.3	Ignition Switch, Red	
118	24.070001.00	Knob, Fuel Vavle	
119	1.818.0412	Bolt M4X12	
120	45.110001.00	Shaft, Governor Arm	
121	2.03.019	Washer Ø8.2 × Ø17 × 0.8	
122	2.11.006	Oil Seal Ø7 × Ø14 × 5	
123	45.110008.00	Pin, Shaft	1
124	45.110003.00	Arm, Governor	1
125	2.08.040	Bolt M6 × 21, Governor Arm	1
126	45.110007.00	Spring, Governor	1
127	45.110005.00	Spring, Throttle Return	1
128	45.110006.00	Rod, Governor	1
129	46.080300.00 Air Guide, Upper		1
130	24.111008.01.48 Sheath, Grip		1
131	2.01.005	Stud Bolt M8 × 49	2
132	46.100001.07	Gasket, Exhaust Pipe	1
133	46.101001.05	Exhaust Pipe	1
134			7
135			7
136	1.93.08 Lock Washer Ø8		7
137	1.6175.08	Nut M8	1
138			1
140	46.101100.05 Muffler Assembly		6
140	1.16674.0510 Flange Bolt M5 x 10  46.101202.05 Muffler Protector		1
141	46.101202.05 Muffler Protector 46.101300.05 Muffler Screen		1
143	1.818.046		
143	1.848.05	Screw M4 × 6	
144	1.859.05		
146	46.101300.50	Lock Washer Ø5  Spark Arrester Assembly	
147	46.101503.05	Plate, Spark Arrester	1
148	1.818.0510	Screw M5 × 10	2

# **TROUBLESHOOTING**

Problem	Cause	Solution
Engine will not start	No fuel	Add fuel
	Faulty spark plug	Replace spark plug
	Unit loaded during start up	Remove load from unit
Engine will not start;	Low oil level	Fill crankcase to the proper level
Engine starts but runs roughly		Place log splitter on a flat, level surface
	Choke in the wrong position	Adjust choke
	Spark plug wire loose	Attach wire to spark plug
Engine shuts down during operation	Out of fuel	Fill fuel tank
	Low oil level	Fill crankcase to the proper level. Place log splitter on a flat, level surface
Engine cannot supply enough power or overheating	Insufficient ventilation	Check for air restriction. Move to a well ventilated area
Wedge movement is slow or erratic	Air in the hydraulic oil system	Purge air by extending and retracting the wedge several times until motion is smooth
	Debris lodged in beam guides	Clear debris from beam
	Low hydraulic oil	Check oil level and add as needed
Oil leak from hose connection	Loose hose clamp or hydraulic fitting	Tighten hose clamp or hydraulic fitting
Oil leak from cylinder	Faulty cylinder rod seal	Contact Customer Service
	Scored or bent cylinder rod	Contact Customer Service
	Loose hydraulic fitting	Tighten hydraulic fitting
	Faulty combination washer seal on cylinder hydraulic fitting	Contact Customer Service
Wedge will not extend or retract	Faulty control valve	Contact Customer Service
	Faulty hydraulic pump	Contact Customer Service
	Low hydraulic oil	Check oil level and add as needed
Wedge does not Auto-Return	Low hydraulic oil	Check oil level and add as needed
	Faulty control valve	Contact Customer Service
Excessive bouncing while towing	Under-inflated tires	Inflate tires to proper pressure. Refer to tire sidewall

# For further technical support:

### **Technical Service**

Mon - Fri 8:30 AM - 5:00 PM (PST/PDT)

Toll Free: 1-877-338-0999

tech@championpowerequipment.com

### **WARRANTY\***

CHAMPION POWER EQUIPMENT 2 YEAR LIMITED WARRANTY

### **Warranty Qualifications**

Champion Power Equipment (CPE) will register this warranty upon receipt of your Warranty Registration Card and a copy of your sales receipt from one of CPE's retail locations as proof of purchase. Please submit your warranty registration and your proof of purchase within ten (10) days of the date of purchase.

### Repair/Replacement Warranty

CPE warrants to the original purchaser that the mechanical and electrical components will be free of defects in material and workmanship for a period of two years (parts and labor) from the original date of purchase and 180 days (parts and labor) for commercial and industrial use. Transportation charges on product submitted for repair or replacement under this warranty are the sole responsibility of the purchaser. This warranty only applies to the original purchaser and is not transferable.

### Do Not Return The Unit To The Place Of Purchase

Contact CPE's Technical Service and CPE will troubleshoot any issue via phone or e-mail. If the problem is not corrected by this method, CPE will, at its option, authorize evaluation, repair or replacement of the defective part or component at a CPE Service Center. CPE will provide you with a case number for warranty service. Please keep it for future reference. Repairs or replacements without prior authorization, or at an unauthorized repair facility, will not be covered by this warranty.

### **Warranty Exclusions**

This warranty does not cover the following repairs and equipment:

### **Normal Wear**

Products with mechanical and electrical components need periodic parts and service to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment as a whole.

### Installation, Use and Maintenance

This warranty will not apply to parts and/or labor if the product is deemed to have been misused, neglected, involved in an accident, abused, loaded beyond the product's limits, modified, installed improperly or connected incorrectly to any electrical component. Normal maintenance is not covered by this warranty and is not required to be performed at a facility or by a person authorized by CPE.

### Other Exclusions

This warranty excludes:

- Cosmetic defects such as paint, decals, etc.
- Wear items such as filter elements, o-rings, etc.
- Accessory parts such as starting batteries, and storage covers.
- Failures due to acts of God and other force majeure events beyond the manufacturer's control.
- Problems caused by parts that are not original Champion Power Equipment parts.

When applicable, this warranty does not apply to products used for prime power in place of a utility.

### Limits of Implied Warranty and Consequential Damage

Champion Power Equipment disclaims any obligation to cover any loss of time, use of this product, freight, or any incidental or consequential claim by anyone from using this product. THIS WARRANTY AND THE ATTACHED U.S. EPA, CARB and/or ECCC EMISSION CONTROL SYSTEM WARRANTIES (WHEN APPLICABLE) ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

A unit provided as an exchange will be subject to the warranty of the original unit. The length of the warranty governing the exchanged unit will remain calculated by reference to the purchase date of the original unit.

This warranty gives you certain legal rights which may change from state to state or province to province. Your state or province may also have other rights you may be entitled to that are not listed within this warranty.

### **Contact Information**

### **Address**

Champion Power Equipment, Inc. Customer Service 12039 Smith Ave. Santa Fe Springs, CA 90670 USA www.championpowerequipment.com

### **Customer Service**

Mon - Fri 8:30 AM - 5:00 PM (PST/PDT)

Toll Free: 1-877-338-0999

info@championpowerequipment.com

Fax no.: 1-562-236-9429

### **Technical Service**

Mon - Fri 8:30 AM - 5:00 PM (PST/PDT)

Toll Free: 1-877-338-0999

tech@championpowerequipment.com 24/7 Tech Support: 1-562-204-1188

<sup>\*</sup>Except as otherwise stipulated in any of the following enclosed Emission Control System Warranties (when applicable) for the Emission Control System: U.S. Environment Protection Agency (EPA), California Air Resources Board (CARB) and/or Environment and Climate Change Canada (ECCC).

# Champion Power Equipment, Inc. (CPE), The United States Environment Protection Agency (U.S. EPA.) and the California Air Resources Board (CARB) Emission Control System Warranty

Your Champion Power Equipment (CPE) engine complies with both the U.S. EPA and state of California Air Resources Board (CARB) emission regulations.

### YOUR WARRANTY RIGHTS AND OBLIGATIONS:

The US EPA, California Air Resources Board, and CPE are pleased to explain the Federal and California Emission Control Systems Warranty on your 2016 small off-road engine and engine powered equipment. In California, new, small off-road engines and new equipment that use small off-engines must be designed, built and equipped to meet the State's stringent anti smog standards. In the other states, new engines and equipment must be designed, built and equipped, at the time of sale, to meet U.S. EPA regulations for small non-road engines. CPE warrants the emission control system on your small off-road engine and equipment for the period of time listed below, provided there has been no abuse, neglect, unapproved modification, or improper maintenance of your equipment.

Your emission control system may include parts such as the carburetor, fuel-injection system, the ignition system, catalytic converter and fuel lines. Also included may be hoses, belts, connectors and other emission related assemblies. Where a warrantable condition exits, CPE will repair your small off-road engine at no cost to you including diagnosis, parts and labor. For engines less than or equal to 80cc, only the fuel tank and fuel line is subject to the evaporative emission control warranty requirements of this section.

### MANUFACTURER'S EMISSION CONTROL SYSTEM WARRANTY COVERAGE:

This emission control system is warranted for two years, subject to provisions set forth below. If, during the warranty period, emission related part on your engine is defective in materials or workmanship, the part will be repaired or replaced by CPE.

### **OWNER WARRANTY RESPONSIBILITIES:**

As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. CPE recommends that you retain all your receipts covering maintenance on your small off-road engine, but CPE cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the small off-road engine owner, you should however be aware that CPE may deny you warranty coverage if your small, off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your small off-road engine to an Authorized CPE service outlet or alternate service outlet as described in (3)(f.) below, CPE dealer or CPE, Santa Fe Springs, Ca. as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact:

Champion Power Equipment, Inc.
Customer Service
12039 Smith Ave.
Santa Fe Springs, CA 90670
1-877-338-0999
tech@championpowerequipment.com

### **EMISSION CONTROL SYSTEM WARRANTY**

The following are specific provisions relative to your Emission Control System (ECS) Warranty Coverage.

**1. APPLICABILITY:** This warranty shall apply to 1995 and later model year California small off-road engines (for other states, 1997 and later model year engines). The ECS Warranty Period shall begin on the date the new engine or equipment is delivered to its original, end-use purchaser, and shall continue for 24 consecutive months thereafter.

### 2. GENERAL EMISSIONS WARRANTY COVERAGE

CPE warrants to the original, end-use purchaser of the new engine or equipment and to each subsequent purchaser that each of its small off-road engines is:

- a. Designed, built and equipped so as to conform to U.S. EPA emissions standards for spark-ignited engines at or below 19 kilowatts and all applicable regulations adopted by the California Air Resources Board and
- b. Free from defects in materials and workmanship that cause the failure of a warranted part to be identical in all material respects to the part as described in the engine manufacturer's application for certification for a period of two years.

### 3. THE WARRANTY ON EMISSION-RELATED PARTS WILL BE INTERPRETED AS FOLLOWS:

- a. Any warranted part that is not scheduled for replacement as required maintenance in the Owners Manual shall be warranted for the ECS Warranty Period. If any such part fails during the ECS Warranty Period, it shall be repaired or replaced by CPE according to Subsection "d" below. Any such part repaired or replaced under the ECS Warranty shall be warranted for any remainder of the ECS Warranty Period.
- b. Any warranted, emissions-related part which is scheduled only for regular inspection as specified in the Owners Manual shall be warranted for the ECS Warranty Period. A statement in such written instructions to the effect of "repair or replace as necessary", shall not reduce the ECS Warranty Period. Any such part repaired or replaced under the ECS Warranty shall be warranted for the remainder of the ECS Warranty Period.
- c. Any warranted, emissions-related part which is scheduled for replacement as required maintenance in the Owner's Manual shall be warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part shall be repaired or replaced by CPE according to Subsection "d" below. Any such emissions-related part repaired or replaced under the ECS Warranty, shall be warranted for the remainder of the ECS Warranty Period prior to the first scheduled replacement point for such emissions-related part.
- d. Repair or replacement of any warranted, emissions-related part under this ECS Warranty shall be performed at no charge to the owner at a CPE Authorized Service Outlet.
- e. The owner shall not be charged for diagnostic labor which leads to the determination that a part covered by the ECS Warranty is in fact defective, provided that such diagnostic work is performed at a CPE Authorized Service Outlet.
- f. CPE shall pay for covered emissions warranty repairs at non-authorized service outlets under the following circumstances:
- i. The service is required in a population center with a population over 100,000 according to U.S. Census 2000 without a CPE Authorized Service Outlet AND
- ii. The service is required more than 100 miles from a CPE Authorized Service Outlet. The 100 mile limitation does not apply in the following states: Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nebraska, Nevada, New Mexico, Oregon, Texas, Utah and Wyoming.
- g. CPE shall be liable for damages to other original engine components or approved modifications proximately caused by a failure under warranty of an emission-related part covered by the ECS Warranty.
- h. Throughout the ECS Warranty Period, CPE shall maintain a supply of warranted emission-related parts sufficient to meet the expected demand for such emission-related parts.
- i. Any CPE Authorized and approved emission-related replacement part may be used in the performance of any ECS Warranty maintenance or repair and will be provided without charge to the owner. Such use shall not reduce CPE's warranty obligation.
- j. Unapproved add-on or modified parts may not be used to modify or repair a CPE engine. Such use voids this ECS Warranty and shall be sufficient grounds for disallowing an ECS Warranty claim. CPE shall not be liable hereunder for failures of any warranted parts of a CPE engine caused by the use of such an unapproved add-on or modified part.

# EMISSION-RELATED PARTS INCLUDE THE FOLLOWING: (using those portions of the list applicable to the engine)

Systems covered by this warranty	Parts Description
Fuel Metering System	Fuel regulator, Carburetor and internal parts
Air Induction System	Air cleaner, Intake manifold
Ignition System	Spark plug and parts, Magneto ignition system
Exhaust System	Exhaust manifold, catalytic converter
Miscellaneous Parts	Tubing, Fittings, Seals, Gaskets, and Clamps associated with these listed systems.
Evaporative Emissions	Fuel Tank, Fuel Cap, Fuel Line, Fuel Line Fittings, Clamps, Pressure Relief Valves, Control Valves, Control Solenoids, Electronic Controls, Vacuum Control Diaphragms, Control Cables, Control Linkages, Purge Valves, Vapor Hoses, Liquid/Vapor Separator, Carbon Canister, Canister Mounting Brackets, Carburetor Purge Port Connector

### TO OBTAIN WARRANTY SERVICE:

You must take your CPE engine or the product on which it is installed, along with your warranty registration card or other proof of original purchase date, at your expense, to any Champion Power Equipment dealer who is authorized by Champion Power Equipment, Inc. to sell and service that CPE product during his normal business hours. Alternate service locations defined in Section (3)(f.) above must be approved by CPE prior to service. Claims for repair or adjustment found to be caused solely by defects in material or workmanship will not be denied because the engine was not properly maintained and used.

If you have any questions regarding your warranty rights and responsibilities, or to obtain warranty service, please write or call Customer Service at Champion Power Equipment, Inc.

Champion Power Equipment, Inc.
12039 Smith Ave.
Santa Fe Springs, CA 90670
1-877-338-0999
Attn.: Customer Service
tech@championpowerequipment.com

# Champion Power Equipment, Inc (CPE) and Environment and Climate Change Canada (ECCC) Emission Control System Warranty

Your Champion Power Equipment (CPE) engine complies with Environment and Climate Change Canada (ECCC) emission regulations.

### YOUR WARRANTY RIGHTS AND OBLIGATIONS:

CPE is pleased to explain the Emission Control Systems Warranty on your 2016 small off-road engine. New engines must be designed, built and equipped, at the time of sale, to meet ECCC regulations for small non-road engines. CPE must warrant the emission control system on your small off-road engine for the period of time listed below, provided there has been no abuse, neglect, unapproved modification, or improper maintenance of your small off-road engine.

Your emission control system may include parts such as the carburetor, fuel-injection system, the ignition system, catalytic converter and fuel lines. Also included may be hoses, belts, connectors and other emission related assemblies. Where a warrantable condition exits, CPE will repair your small off-road engine at no cost to you including diagnosis, parts and labour.

### MANUFACTURER'S EMISSION CONTROL SYSTEM WARRANTY COVERAGE:

This emission control system is warranted for two years, subject to provisions set forth below. If, during the warranty period, emission related part on your engine is defective in materials or workmanship, the part will be repaired or replaced by CPE.

### **OWNER WARRANTY RESPONSIBILITIES:**

As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. CPE recommends that you retain all your receipts covering maintenance on your small off-road engine, but CPE cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the small off-road engine owner, you should however be aware that CPE may deny you warranty coverage if your small, off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your small off-road engine to an Authorized CPE service outlet, CPE dealer or CPE, Santa Fe Springs, CA., USA as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact:

Champion Power Equipment, Inc.
Customer Service
12039 Smith Ave.
Santa Fe Springs, CA 90670
USA
Tel: 1-877-338-0999
tech@championpowerequipment.com

### **EMISSION CONTROL SYSTEM WARRANTY**

The following are specific provisions relative to your Emission Control System Warranty Coverage.

Emission Control System Warranty (ECS Warranty):

**1. APPLICABILITY:** The ECS Warranty Period shall begin on the date the new engine or equipment is delivered to its original, end-use purchaser, and shall continue for 24 consecutive months thereafter.

### 2. GENERAL EMISSIONS WARRANTY COVERAGE

CPE warrants to the original, end-use purchaser of the new engine or equipment and to each subsequent purchaser that each of its small off-road engines is:

- a. Designed, built and equipped so as to conform at the time of sale with applicable regulations under the Canadian Environmental Protection Act, 1999 (CEPA 1999).
- b. Free from defects in materials and workmanship that cause the failure of a warranted part to be identical in all material respects to the part as described in the engine manufacturer's application for certification for a period of two years.

# 3. THE WARRANTY ON EMISSION-RELATED PARTS WILL BE INTERPRETED AS FOLLOWS:

- a. Any warranted part that is not scheduled for replacement as required maintenance in the Owners Manual shall be warranted for the ECS Warranty Period. If any such part fails during the ECS Warranty Period, it shall be repaired or replaced by CPE according to Subsection "d" below. Any such part repaired or replaced under the ECS Warranty shall be warranted for any remainder of the ECS Warranty Period.
- b. Any warranted, emissions-related part which is scheduled only for regular inspection as specified in the Owners Manual shall be warranted for the ECS Warranty Period. A statement in such written instructions to the effect of "repair or replace as necessary", shall not reduce the ECS Warranty Period. Any such part repaired or replaced under the ECS Warranty shall be warranted for the remainder of the ECS Warranty Period.
- c. Any warranted, emissions-related part which is scheduled for replacement as required maintenance in the Owner's Manual shall be warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part shall be repaired or replaced by CPE according to Subsection "d" below. Any such emissions-related part repaired or replaced under the ECS Warranty, shall be warranted for the remainder of the ECS Warranty Period prior to the first scheduled replacement point for such emissions-related part.
- d. Repair or replacement of any warranted, emissions-related part under this ECS Warranty shall be performed at no charge to the owner at a CPE Authorized Service Outlet.
- e. The owner shall not be charged for diagnostic labour which leads to the determination that a part covered by the ECS Warranty is in fact defective, provided that such diagnostic work is performed at a CPE Authorized Service Outlet.
- f. CPE shall be liable for damages to other original engine components or approved modifications proximately caused by a failure under warranty of an emission-related part covered by the ECS Warranty.
- g. Throughout the ECS Warranty Period, CPE shall maintain a supply of warranted emission-related parts sufficient to meet the expected demand for such emission-related parts.
- h. Any CPE Authorized and approved emission-related replacement part may be used in the performance of any ECS Warranty maintenance or repair and will be provided without charge to the owner. Such use shall not reduce CPE's warranty obligation.
- i. Unapproved add-on or modified parts may not be used to modify or repair a CPE engine. Such use voids this ECS Warranty and shall be sufficient grounds for disallowing an ECS Warranty claim. CPE shall not be liable hereunder for failures of any warranted parts of a CPE engine caused by the use of such an unapproved add-on or modified part.

# EMISSION-RELATED PARTS INCLUDE THE FOLLOWING: (using those portions of the list applicable to the engine)

Systems covered by this warranty	Parts description
Fuel Metering System	Fuel regulator, carburetor and internal parts
Air Induction System	Air cleaner, intake manifold
Ignition System	Spark plug and parts, magneto ignition system
Exhaust System	Exhaust manifold, catalytic converter
Miscellaneous Parts	Tubing, fittings, seals, gaskets, and clamps associated with these listed systems.
Evaporative Emissions	Fuel tank, fuel cap, fuel line, fuel line fittings, clamps, pressure relief valves, control valves, control solenoids, electronic controls, vacuum control diaphragms, control cables, control linkages, purge valves, vapour hoses, liquid/ vapour separator, carbon canister, canister mounting brackets, carburetor purge port connector

### TO OBTAIN WARRANTY SERVICE:

You must take your CPE engine or the product on which it is installed, along with your warranty registration card or other proof of original purchase date, at your expense, to any Champion Power Equipment dealer who is authorized by Champion Power Equipment, Inc. to sell and service that CPE product during his normal business hours. Claims for repair or adjustment found to be caused solely by defects in material or workmanship will not be denied because the engine was not properly maintained and used.

If you have any questions regarding your warranty rights and responsibilities, or to obtain warranty service, please write or call Customer Service at Champion Power Equipment, Inc.

Champion Power Equipment, Inc.
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