

XTREME POWER US

52CC CHAINSAW 20" 2.7HP EPA GASOLINE CRANKCASE
ITEM: 82104



OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL: KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATING, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL NEAR THE ASSEMBLY DIAGRAM (OR MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO NUMBER).

FOR QUESTIONS PLEASE CALL OUR CUSTOMER SUPPORT: (909) 628 0880 MON-FRI 9AM TO 3PM PST



GENERAL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

SAFETY

The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator. Read carefully and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

- **Read and understand all instructions.** Failure to follow all instructions may result in serious injury or property damage.
- **DO NOT** allow persons to operate or assemble the product until they have read this manual and have developed a thorough understanding of how it works.
- **DO NOT modify this product in any way.** Unauthorized modification may impair the function and/or safety and could affect the life of the product. There are specific applications for which the product was designed.
- **Use the right tool for the job. DO NOT** attempt to force small equipment to do the work of larger industrial equipment. There are certain applications for which this equipment was designed. This product will be safer and do a better job at the capacity for which it was intended. **DO NOT** use this equipment for a purpose for which it was not intended.
- Industrial or commercial applications must follow OSHA requirements.
- **Inspect the work area before each use.** Keep work area clean, dry, free of clutter, and well-lit. Cluttered, wet, or dark work areas can result in injury. Using the product in confined work areas may put you dangerously close to cutting tools and rotating parts.
- **DO NOT use the product where there is a risk of causing a fire or an explosion;** e.g., in the presence of flammable liquids, gases, or dust. The product can create sparks, which may ignite the flammable liquids, gases, or dust.
- **Keep children and bystanders away from the work area while operating the chainsaw. DO NOT** allow children to handle the product.
- **Be aware of all power lines, electrical circuits, water pipes, and other mechanical hazards in your work area.** Some of these hazards may be hidden from your view and may cause personal injury and/or property damage if contacted.

IMPORTANT SAFETY INFORMATION

- Stay alert, watch what you are doing, and use common sense when operating the tool. **DO NOT** use the tool while you are tired or under the influence of drugs, alcohol, or medication.
- **Dress properly. DO NOT** wear loose clothing, dangling objects, or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery, or long hair can be caught in moving parts.
- **Wear the proper personal protective equipment when necessary.** Use ANSI Z87.1 compliant safety goggles (not safety glasses) with side shields, or when needed, a face shield. Use a dust mask in dusty work conditions. Also use non-skid safety shoes, hard-hat, gloves, dust collection systems, and hearing protection when appropriate. This applies to all persons in the work area.
- **DO NOT overreach.** Keep proper footing and balance at all times.
- **Both of the operator's hands must be used to operate the chainsaw. NEVER operate the chainsaw with one hand.**
- **Check for damaged parts before each use.** Carefully check that the chainsaw will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never operate the chainsaw with a damaged part.
- **WARNING: Tip contact may cause the guide bar to move suddenly upward and backwards, otherwise known as kickback, which can cause serious bodily injury.**
- **WARNING: The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other productive harm.**
- **Store the chainsaw when it is not in use.** Store it in a dry, secure place out of the reach of children. Inspect the tool for good working condition prior to storage and before re-use.
- **DO NOT operate the chainsaw from a ladder or in a tree.**
- **Make sure the chain will not make contact with any object while starting the engine. Never try to start the chainsaw when the guide bar is in the cut.**
- **DO NOT put pressure on the saw at the end of the cut. Applying pressure can cause you to lose control when the cut is completed.**
- **DO NOT operate a chainsaw that is damaged, improperly adjusted or not completely and securely adjusted. Always replace the bar, the chain, hand guard or chain brake immediately if it becomes damaged, broken or is otherwise removed.**
- **ALWAYS** wear the proper protective equipment including ANSI Z87.1 compliant eye protection, NIOSH compliant breathing protection, anti-vibration work gloves, steel toed work boots, and a helmet.
- With the engine stopped, hand carry the chainsaw away from your body and the guide bar and chain to the rear, preferably covered with a scabbard.

IMPORTANT SAFETY INFORMATION

- **The engine of this chainsaw is designed to run on a mixed fuel which contains highly flammable gasoline.** Never store cans of fuel or refill the fuel tank in any place where there is a broiler, stove, fire, electrical sparks, welding sparks or any other source of heat or fire which may ignite the fuel.
- If any fuel spillage occurs during refuelling use a dry rag to wipe up spills before turning the engine on.
- After refuelling, screw the fuel cap back on tightly onto the fuel tank and then carry the product to an area that is approximately 10 feet away from where it was refuelled before turning the engine on.
- Keep handles dry, clean and free of oil or fuel mixture.
- **NEVER touch the muffler, spark plug or other metallic parts of the engine** while the engine is in use or immediately after stopping the engine. Doing so can result in serious injury.
- In order to maintain your product in proper working order, perform the maintenance and check operations described in the manual at regular intervals.
- **ALWAYS be sure to turn off the engine before performing any maintenance procedures.**
- Chainsaw work is strenuous, if you have a condition that may be aggravated by extended use of the chainsaw, check with your doctor prior to using the chainsaw.
- **Gasoline is an extremely flammable fuel.** If spilled or ignited by a spark or other ignition source, it can cause fire and serious burn injury or property damage. Use extreme caution when handling gasoline or fuel mix.
- **Fuel your chainsaw in well-ventilated areas, outdoors only.** Always shut off the engine and allow it to cool before refuelling. Gasoline vapor pressure may build up inside the gas tank of the engine depending on the fuel used, the weather conditions, and the venting system of the tank. In order to reduce the risk of burns or other personal injury from escaping gas vapor and fumes, remove the fuel filler cap on this chainsaw carefully so as to allow any pressure build-up in the tank to release slowly. Never remove fuel filler cap while engine is running.
- **Check for fuel leakage while refuelling and during operation.** If fuel or oil leakage is found, do not start or run the engine until leak is fixed and spilled fuel has been wiped away. Take care not to get fuel on your clothing. If this happens, change your clothing immediately.
- To reduce the risk of personal injury from loss of control or contact with the running chain, do not use a saw with incorrect idle adjustment. At correct idle speed, the chain should not rotate.
- **After adjusting a chain, start the saw, let the engine run for a while, then switch engine off and recheck chain tension.** Proper chain tension is very important at all times. Operate the chainsaw under good visibility and daylight conditions only.

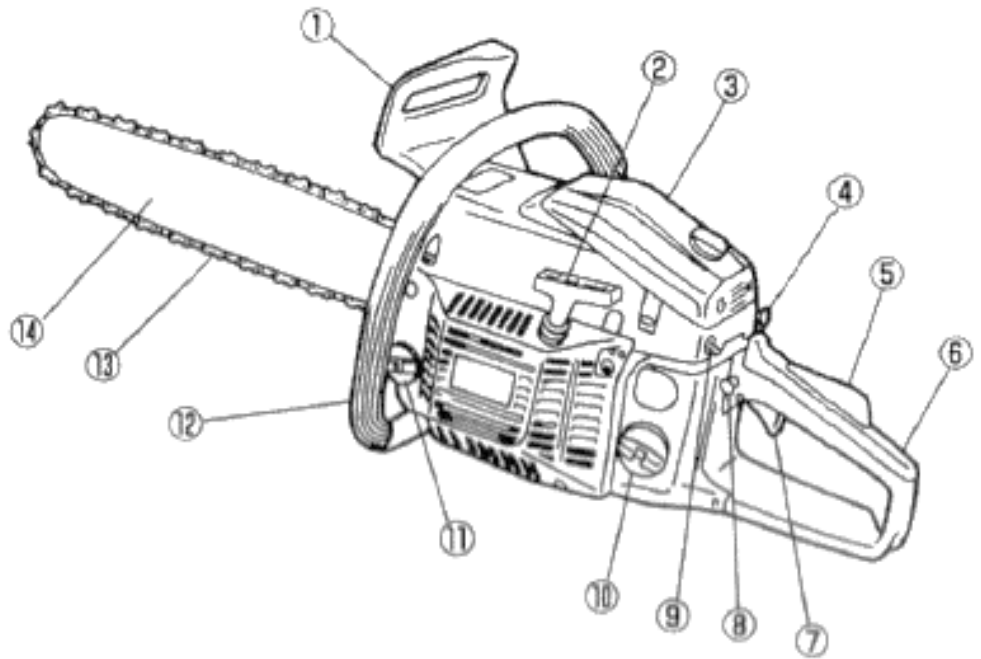


SAVE THESE WARNINGS

DIAGRAMS AND SPECIFICATIONS

PART LOCATIONS

1	FRONT GUARD
2	STARTER KNOB
3	AIR CLEANER
4	CHOKE KNOB
5	THROTTLE INTERLOCK
6	REAR HANDLE
7	THROTTLE TRIGGER
8	THROTTLE LOCK BUTTON
9	ENGINE SWITCH
10	FUEL TANK
11	OIL TANK
12	FRONT HANDLE
13	SAW CHAIN
14	GUIDE BAR



NOTE: The appearance of your product may vary from the item shown.

MACHINE SYMBOLS: For safe operation and maintenance, symbols are carved in relief on this machine. Please take a moment to locate these symbols on the chainsaw.

a) The port to refuel the “Mix Gasoline”, located on the Fuel Tank Cap

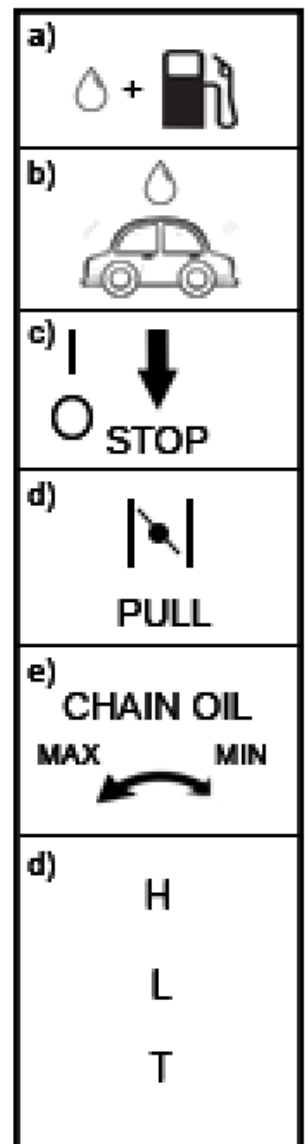
b) The port to refuel the “Chain Oil”, located on the Oil Cap

c) Switch indicator. Flipping the engine switch to the “O” (Stop) direction and the engine will stop. Located on the rear left of the unit.

d) Choke indicator: Pulling out the Choke knob and the Choke closes. Located on the rear right of the unit.

e) Chain Oil Adjuster Nut indicator: “MIN” directs the oil flow decrease. “MAX” directs the oil flow’s increase. Located on the bottom of the clutch side.

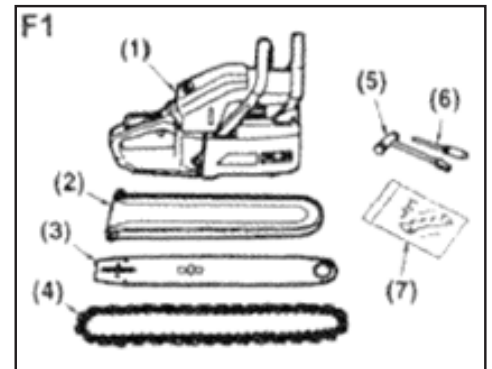
f) H-Needle indicator: The position of the L-Needle and position of the Idle Adjusting Screw. Located on the rear left on the unit.



DIAGRAMS AND SPECIFICATIONS

GUIDE BAR AND SAW CHAIN PARTS LIST: A standard chainsaw unit package contains the items illustration in Figure F1. Open the box and install the guide bar and the saw chain on the power unit as follows.

1. POWER UNIT
2. BAR PROTECTOR
3. GUIDE BAR
4. CHAINSAW
5. PLUG WRENCH
6. SCREWDRIVER FOR CARBURETTOR ADJUSTMENT
7. SPIKE AND MOUNTAIN SCREWS



The chainsaw has very sharp edges. Use thick protective gloves for safety.

WARNING: The features include on your chainsaw are to help prevent the hazard of kickback; however, such features will not eliminate this danger. As a chainsaw user, do not rely only on safety devices alone. You must follow all safety precautions, instructions and maintenance in this manual to help avoid kickback and other forces which can result in serious bodily injury.

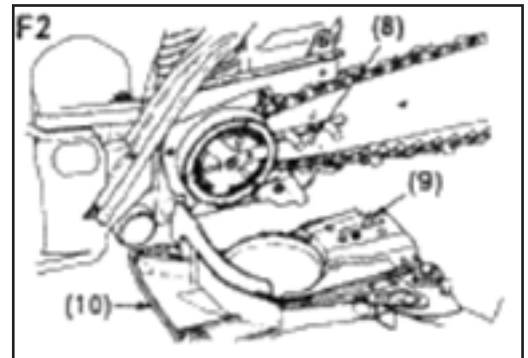
1. Pull the guard towards the front handle to check the chain brake is not on.

2. Loosen the nuts and remove the chain cover.

3. Install the attached spike to the power unit.

4. Gear that chain to the sprocket and while fitting the chain saw around the guide bar, mount the guide bar to the power unit. Adjust the position of the chain tensioner nut on the chain cover to the lower hole of the guide bar.

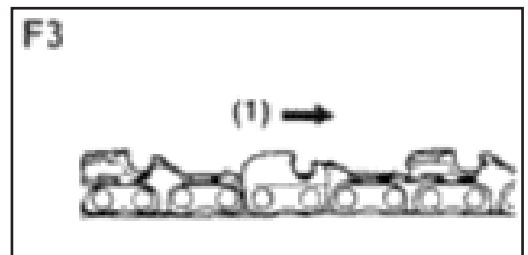
(F2)



(8) Hole (9) Tensioner Nut (10) Chain Cover

Pay attention to the correct direction of the saw chain. (F3)

1. Moving direction

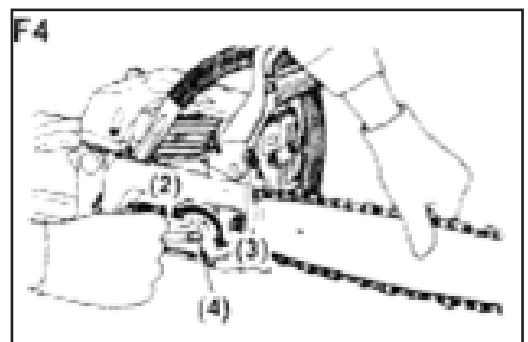


2. Fit the chain cover to the power unit and fasten the nuts to finger tightness.

3. While holding up the tip of the bar, adjust the chain tension by turning the tensioner screw until the tie straps just touch the bottom side of the bar rail. (F4)

4. Tighten the nuts securely with the bat tip held up (12-15N.m). Then check the chain for smooth rotation and proper tension while moving it by hand. If necessary, readjust with the chain cover loose.

5. Tighten the tensioner screw.



(2) Loosen (3) Tighten (4) Tensioner Screw

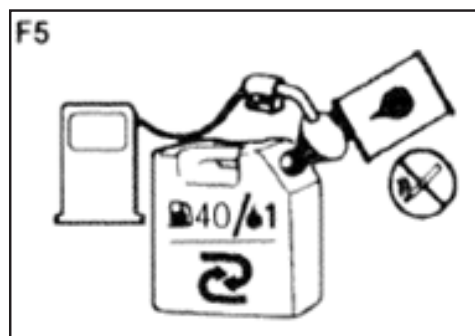
DIAGRAMS AND SPECIFICATIONS

A new chain will expand its length in the beginning of use. Check and readjust the tension frequency as a loose chain can easily derail or cause rapid degradation of the chain as well as the guide bar.

FUEL AND CHAIN OIL: Mix gasoline (leaded or unleaded, alcohol-free) and quality proven 2-stroke motor oil (FC grade) for air cooled 2-cycle engines.

Recommended Mixing Ratio

Condition	Gasoline: Oil
Up to 20 hours use	35:1 Mix
After 20 hours use	40:1 Mix



Most engine troubles are caused, directly or indirectly, by the fuel used on the machine. Take special care not to mix a motor oil for 4-cycle engines.

Chain Oil: Use motor oil SAE#10W-30 all year round or SAE#30-#40 in colder temperatures.

STARTING THE ENGINE:

1. Fill the fuel and chain oil tanks respectively and tighten the caps securely. (F7)

(F7)

2. Set the switch to the "1" position (F8)

3. While holding the throttle lever together with the throttle interlock, push in the side throttle lock button and release the throttle lever to hold it at the starting position. (F9)

1. Chain Oil

2. Fuel

3. Switch

4. Throttle Lock Button

5. Throttle Level

6. Throttle Interlock

7. Choke Knob

Note: When restarting immediately after stopping the engine, leave the choke knob at the open position.

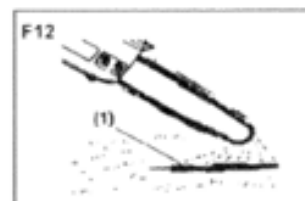
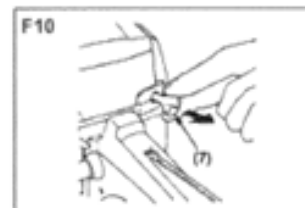
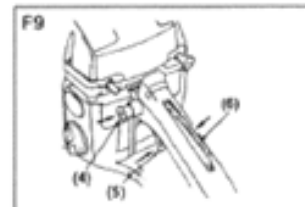
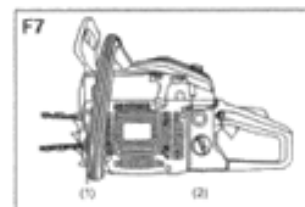
4. Pull out the choke knob to the closed position. (F10)

5. While holding the Chainsaw unit securely on the ground, pull the starter rope vigorously. (F11)

6. When the engine has ignited first, push in the choke knob and pull the starter again to start the engine.

7. Allow the engine to warm up the throttle lever pulled slightly.

Note: After Starting the engine, run the chain at medium speed and see if the chain oil is scattered off as shown. (F12)



GUIDELINES

CHAIN OIL: The chain oil flow can be changed by inserting a screwdriver in the hole on the bottom of the clutch side. Adjust according to your work conditions. (F13)

40:1 Mix Chart					
Gasoline Liters	1	2	3	4	5
2-cycle Oil ml.	25	50	75	100	125

NOTE: the oil tank should become nearly empty by the time fuel is used up. Be sure to refill the oil tank every time when refuelling the unit.

ADJUSTING THE CARBURETTOR: The carburettor on your unit has been factory adjusted but may require fine tuning due to changes in operating conditions. Before adjusting carburettor, make sure the to provide air and fuel filters that are clean and the fuel is properly mixed. Be sure to adjust the carburettor with the bar chain attached. When adjusting, take the following steps:

1. Stop the engine and screw in both H and L needles until they stop. Never force them. Then set them back the initial number of turns as shown below.

H Needle: 1 3/8

L Needle 1 1/4

2. Start the engine and allow it to warm up at half-throttle.

3. Turn the L Needle slowly clockwise to find a position where idling speed is maximum, then set the needle back a quarter (1/4) turn counter-clockwise.

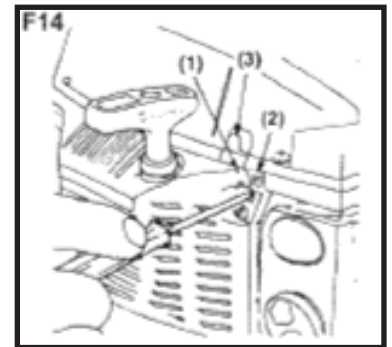
4. Turn the idle adjusting screw (T) counter-clockwise so that the chainsaw does not turn. If idling speed is too slow, turn the screw clockwise.

5. Make a test cut and adjust the H Needle for best cutting power, not for maximum speed.

(1) **L Needle**

(2) **H Needle**

(3) **Idle Adjusting Screw**



CHAIN BRAKE: This machine is equipped with an automatic brake to stop chainsaw rotation upon occurrence of kickback while in saw cutting operation. The brake is automatically operated by inertial force which acts on the weight fitted inside the front guard. This brake can also be operated manually with the front guard turned down to the guide bar. (F15). To release the brake, pull up the front guard toward the front handle until you hear it click.

HOW TO CONFIRM BRAKE OPERATION:

1. Turn off the engine

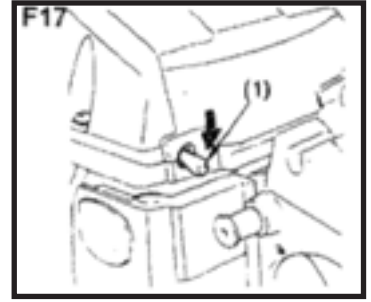
2. Holding the chainsaw horizontally, release your hand from the front handle, hit the tip of the guide bar to a stump or a piece of wood and confirm brake operation. Operating level varies by bar size. (F16) In case the brake is not effective, ask our dealer inspection and repairing the engine.

3. If being kept rotating at high speed with the brake engaged, can heat the clutch and cause a lot of problems. When the brake is depressed while in operation, immediately release your fingers from the throttle lever and keep the engine idling.

GUIDELINES

STOPPING THE ENGINE: Before stopping the engine, keep the engine idling for 1 to 2 minutes.

1. Release the throttle lever to allow the engine idling for a few minutes.
2. Put the switch to the “O” (Stop) position **(F17)**



SAWING:

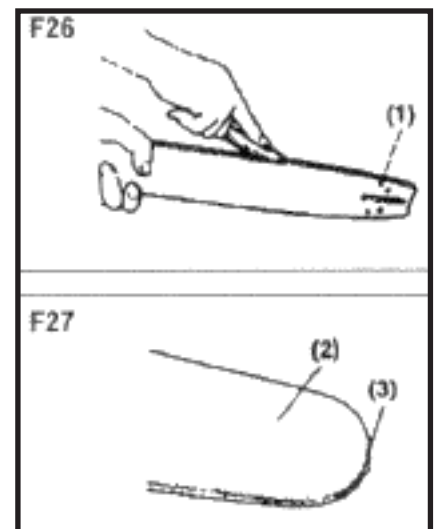
- It is recommended to first practice sawing easy logs. This also helps to get accustomed to your unit.
- Always follow the safety regulations. The chainsaw must only be used for cutting wood. It is not recommended to cut other types of materials.
- Do not use the chainsaw as leverage for lifting, moving or splitting objects. Do not lock it over fixed stands.
- It is not necessary to force the saw into the cut. Apply only slight pressure while running the engine at full throttle.
- When the chainsaw is caught in the cut, do not attempt to pull it out by force, use a wedge or a lever to open the way.

GUARD AGAINST KICKBACK: This saw is equipped with a chain brake that will stop the chain in the event of kickback if operating properly. You must check the chain brake operation properly. You must check the chain brake operation before each use by running the saw at full throttle for 1 to 2 seconds and pushing the front hand guard forward. The chain should stop immediately with the engine at full speed. If the chain is slow to stop or does not stop, replace the brake band and clutch drum before use.

GUIDE BAR: When the guide bar is dismounted, remove saw dust in the bar groove and the oiling port. (F26) Grease the nose sprocket from the feeding port on the tip of the bar. (F27)

- (1) Oiling Port
- (2) Grease Port
- (3) Sprocket

- Check for fuel leakage and loose fastenings and damage to major parts, especially handle joints and guide bar mounting. If any defects are found, make sure to have them repaired before operating again.



GUIDELINES

SPARK PLUG:

- Clean the electrodes with a wire brush and reset the gap to .65mm as necessary.

SPROCKET:

- Check for cracks as well as for excessive wear interfering with the chain drive. If the wearing is found, replace it with a new one. Never fit a new chain on a worn sprocket nor a worn chain on a new sprocket.

- (1) Sprocket
- (2) Needle Bearing
- (3) Clutch Drum
- (4) Spacer
- (5) Clutch Shoe

FUEL FILTER:

- Disassemble the filter and wash with gasoline or replace with a new one.

SAW CHAIN:

- Replace if the adhered part is peeling or cracked, on the rubber part.
- Place your file on the cutter and push straight forward, keep the file position as illustrated. (F31)
- After every cutter has been set, check the depth gauge and file it to the proper level as illustrated. (F32)
- Be sure to round off the front edge to reduce the chance of kickback or tie-strap breakage.

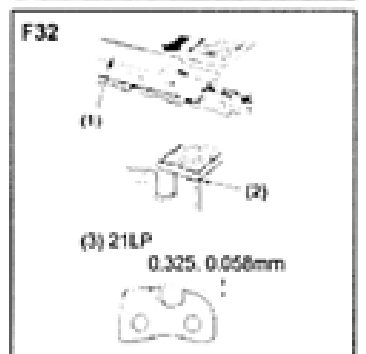
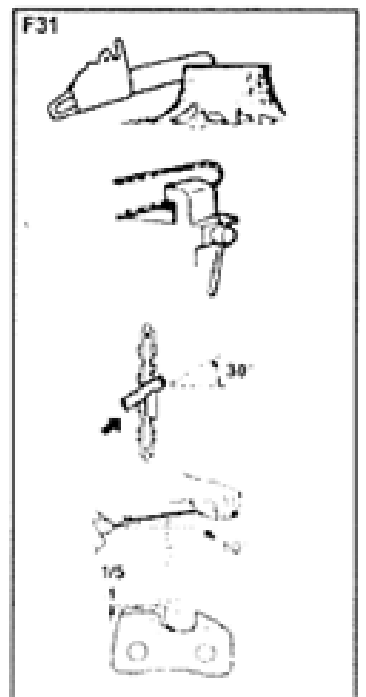
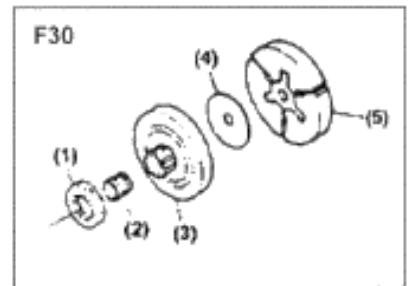
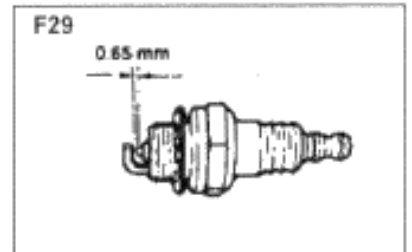
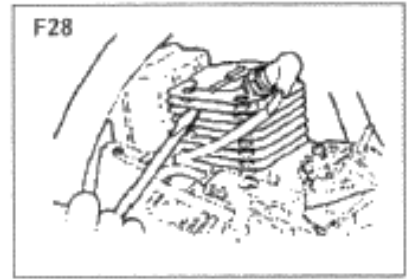
- (1) Appropriate gauge checker
- (2) Make the shoulder round
- (3) Depth gauge standard

- Make sure every cutter has the same length and edge angles as illustrated

- (4) Cutter length
- (5) Filing angle
- (6) Side plate angle
- (7) Top plate cutting angle

GUIDE BAR:

- Reverse the bar occasionally to prevent partial wear.
- The bar rail should always be a square. Check for wear of the bar rail. Apply a ruler to the bar and the outside of the cutter. If a gap is observed between them, the rail is normal. Otherwise, the rail is worn. This will need to be repaired or replaced.



MAINTENANCE

BREAK DOWN ANALYSIS GUIDE

The following maintenance schedule apply for normal operating conditions only. If your daily working time is longer than normal or cutting conditions are difficult (dusty work area, resin rich wood, tropical wood, weather ect.) shorten the specific intervals accordingly. If you only use the saw occasionally, extend the intervals.		Before starting work	After finishing work or daily	After each refueling	Weekly	Monthly	If fueled	If damaged	As required
Complete machine	Visual inspection (condition leak)	✓		✓					
	Clean		✓						
Throttle, trigger, trigger interlock, and combination switch	Performance testing	✓		✓					
Chain brake	Performance testing	✓		✓					
	clean								✓
Oil filter in fuel tank	Check					✓			
	Clean, replace filter element							✓	
Fuel tank	Clean					✓			
Chain oil tank	Clean					✓			
Chain lubrication	Check	✓							
Saw chain	Inspect, also check sharpness	✓		✓					
	Check chain tension	✓		✓					
	Sharpen								✓
Guide bar	Check wear and damage	✓							
	Clean and turn over				✓		✓		
	Deburr				✓				
	Replace							✓	✓
Chain sprocket	Check			✓					
Air filter	Check						✓		✓
	Replace							✓	
Cylinder fins	Clean				✓				
Carburetor	Check idle adjustment chain, must not rotate	✓		✓					
	Adjust idle speed								✓
Spark plug	Readjust electrode gap								✓
All screws and nute (except adjusting screws)	Tighten								✓
Chain catcher	Check or replace	✓		✓					✓

MAINTENANCE AND TROUBLESHOOTING

Difficulty in cold start	Make sure the icing-proof system is not on "work"
Check whether there is oil in the container and/or the flameout switch has been turned on	Fill the oil and/or turn on the switch
Check whether the sparking plug has been submerged by the oil	Empty the oil in the air cylinder, clean the sparking plug and restart
Check whether there is spark on the sparking plug	Replace with a new sparking plug
Check whether the oil has run out and/or the carburetor has been choked	Fill in oil and clean the carburetor by washing it
Check whether the flameout switch has been turned off and/or there is too much carbon accumulated on the sparking plug	Turn on the switch and clear the carbon accumulated on the sparking plug
Cylinder radiator is choked and too much carbon on the top of the cylinder	Clean it
Check whether the oil circuit and/or the air drain has been choked	Clean by washing
Check whether the fuel pin is turned down too far and/or the stop screw is not adjusted improperly	Readjust it
Check whether the fuel pin is turned up too much and/or the supplied oil is too thick	Readjust it

1	CHAIN SAW MODEL	82100/82100-XP
2	MASS (Without guide bar and chain)	5.2 (kg)
3	DIMENSIONS (Without guide bar and chain)	480 x 260 x 300 (mm)
4	FUEL	Mixture: Gasoline 40: Two-cycle oil 1
5	FUEL TANK CAPACITY	550 (ml)
6	CHAIN OIL	Motor Oil SAE #10W-30
7	OIL TANK CAPACITY	250 (ml)
8	MAXIMUM ENGINE POWER	1.8 kw
9	MAXIMUM ENGINE SPEED W/ CUTTING ATTACHMENT	12000 rpm
10	MAXIMUM ENGINE SPEED AT IDLE	3400 rpm
11	MAXIMUM CUTTING LENGTH	53 cm
12	SPROCKET	7T x 0.325 in
13	SAW CHAIN PITCH	0.325 in
14	SAW CHAIN GAUGE	0.058 in
15	GUIDE BAR TYPE	Sprocket Nose
16	GUIDE BAR SIZE	20 in 22 in
17	OIL FEEDING SYSTEM	Automatic Pump with Adjuster

QUICK START GUIDE

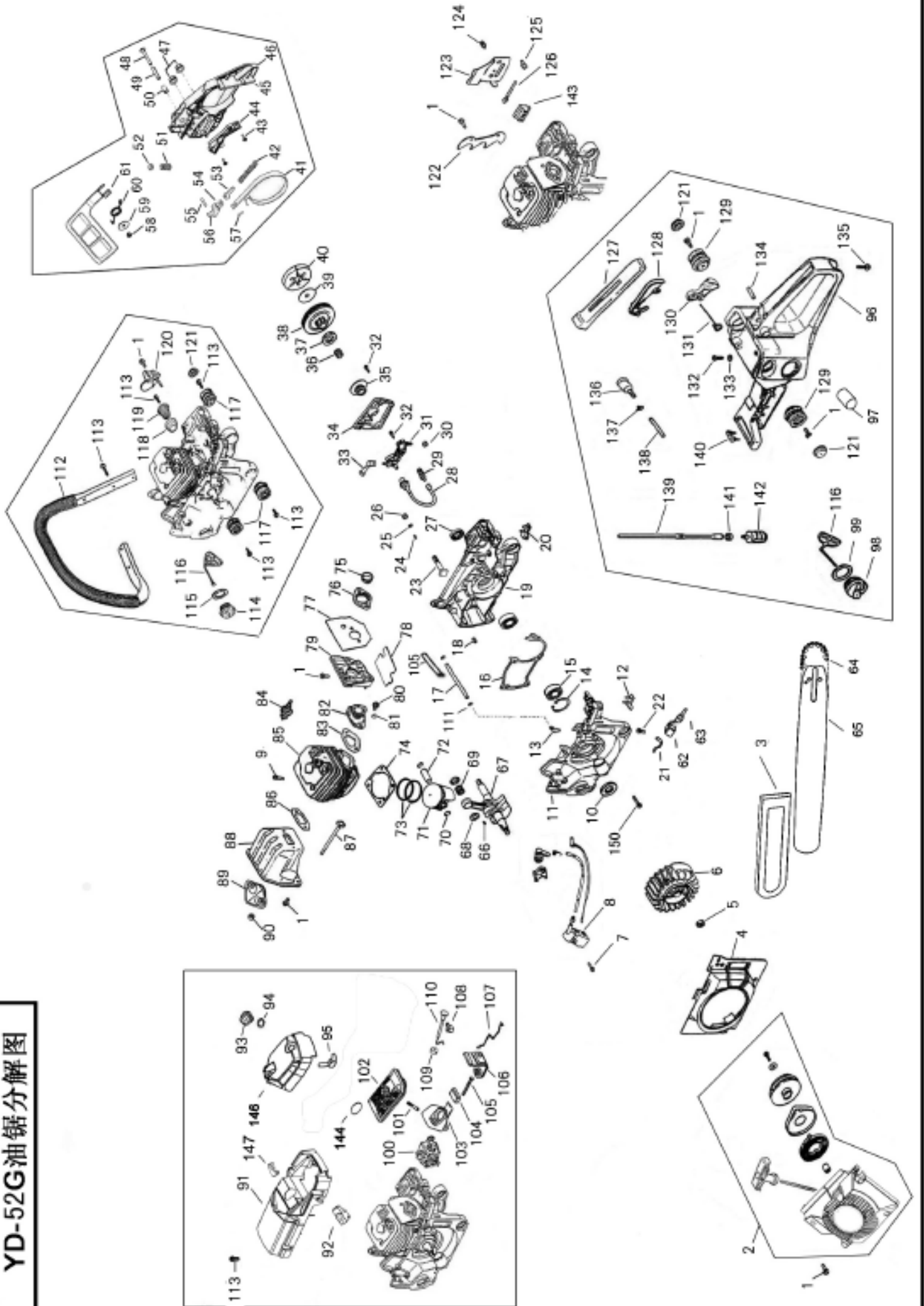
1. Lay out your tools
2. Mix the oil
3. Check that the chain brake is in the unlocked position by pulling the front hand guard toward the front handle
4. Loosen and remove the bar nuts and the clutch cover from the saw
5. An adjusting pin and screw are used to adjust the tension of the chain. It is very important when assembling the bar that the adjusting pin aligns in a hole in the bar. Turning the screw will move the adjusting pin up and down the screw. Locate this adjusting pin before you begin mounting the bar into the saw.
6. Turn the adjusting screw by hand until the adjusting pin is positioned between the indicator marks, this should allow the adjusting pin to be near the correct position.
7. Slide the guide bar with chain on bar bolts. Cutters must face in the direction of rotation.
8. Check that the drive links of the chain fit correctly on the drive sprocket and that the chain is in the groove on the bar.
9. Fit the clutch cover and insert the adjusting pin in the cut out in the bar
10. Tighten the bar nut finger tight
11. Tension the chain by turning the chain tensioning screw clockwise. The chain is correctly tensioned when it does not sag from the underside of the bar but can still be turned easily by hand.
12. When fitting a new chain, the chain tension has to be checked frequently until the chain is run-in. Check the chain tension regularly.

Scan the QR code below to watch a video on assembling your new XtremepowerUS 45cc Gas Chainsaw:



PARTS DIAGRAM

YD-52G油锯分解图



PARTS LIST

#	DESCRIPTION	QTY	#	DESCRIPTION	QTY	#	DESCRIPTION	QTY	#	DESCRIPTION	QTY
1	screw M5X16	16	39	gasket	1	77	plate 1	1	115	gasket	1
2	Starter	1	40	expander	1	78	plate 2	1	116	anti-chain	2
3	chain cover	1	41	brake plate	1	79	carburetor gasket	1	117	rubber plug	3
4	inner cover	1	42	long spring	1	80	screw M5X14	2	118	spring washer	1
5	nut M8X1	1	43	screw ST4.2X12	3	81	washer 5	2	119	spring	1
6	rotor	1	44	spring cover	1	82	inlet pipe	1	120	spring plate	1
7	screw M5X20	2	45	baffle	1	83	inlet pipe gasket	1	121	plastic cover 2	5
8	stator	1	46	clutch cover	1	84	spark plug	1	122	teeth	1
9	screw M5X25	4	47	NUT M8X1	1	85	cylinder	1	123	chain baffle	1
10	oil seal 15*35*4.5	1	48	screw	1	86	muffler gasket	1	124	screw M4X10	1
11	left crankcase	1	49	steel bushing	1	87	screw M5X82	2	125	adjusting rod	1
12	rubber gasket 4	1	50	plastic bushing	1	88	muffler	1	126	adjusting screw	1
13	connector	1	51	press spring	1	89	muffler plate	1	127	Rt-handle upper cvr	1
14	stop ring φ35	1	52	gasket	1	90	nut M5	2	128	connecting rod	1
15	bearing	2	53	push rod	1	91	cylinder cover	1	129	rubber plug 2	2
16	crankcase gasket	1	54	lever 1	1	92	rubber cover	1	130	refuel handgrip	1
17	pipe	1	55	pin	1	93	knob 1	1	131	spring	1
18	pin 6X12	2	56	lever 2	1	94	washer	1	132	screw 4.2X15	1
19	right crankcase	1	57	pin	3	95	knob 2	1	133	washer	1
20	rubber gasket 2	1	58	nut	1	96	frame	1	134	pin shaft	1
21	plate	1	59	big washer	1	97	rubber cover	1	135	screw NST5X20	1
22	screw M5X10	1	60	spring	1	98	fuel tank lid	1	136	air cleaner body	1
23	bolt M8X25	2	61	brake handle	1	99	lid washer	1	137	valve	1
24	inlet valve	1	62	rubber cover	1	100	carburetor	1	138	rubber pipe	1
25	stop ring	1	63	stop switch	1	101	bolt	1	139	oil pipe	1
26	small sponge	1	64	chain	1	102	air filter assy	1	140	rubber gasket	1
27	oil seal 12*28*4.5	1	65	guide plate	1	103	connector	1	141	steel bushing	1
28	inlet oil pipe	1	66	key 3*3.7*10	1	104	rubber gasket	1	142	fuel cleaner	1
29	chain oil cleaner	1	67	crankshaft	1	105	screw M5X50	2	143	plastic gasket	1
30	big sponge	1	68	stop ring	2	106	rubber gasket 1	1	144	O ring	1
31	oil pump	1	69	needle bearing	1	107	throttle rod	1	145	insulator	1
32	screw M4X16	5	70	snap ring	2	108	gasket	1	146	air cleaner cover	1
33	outlet oil pipe	1	71	piston	1	109	rubber gasket	1	147	rubber gasket	1
34	pump cover	1	72	piston pin	1	110	choker rod	1	148	adjusting assy	1
35	screw plug	1	73	piston ring	2	111	spring	1	149	baffle	1
36	needle bearing	1	74	cylinder gasket	1	112	left handle	1	150	screw	2
37	chain wheel	1	75	washer	1	113	screw NST5X16	8	151	o ring	1
38	clutch	1	76	connector pipe	1	114	oil tank lid	1			

WARRANTY

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.



SAVE THESE INSTRUCTIONS.



Questions, problems, missing parts?

Before returning to your retailer, our exceptional customer service is available.

Call us Tel: **909 628 0880**

Hour : **9am To 3pm PST (Monday to Friday)**

Email : **customer@xtremepowerusa.com**

PRODUCT MADE IN CHINA