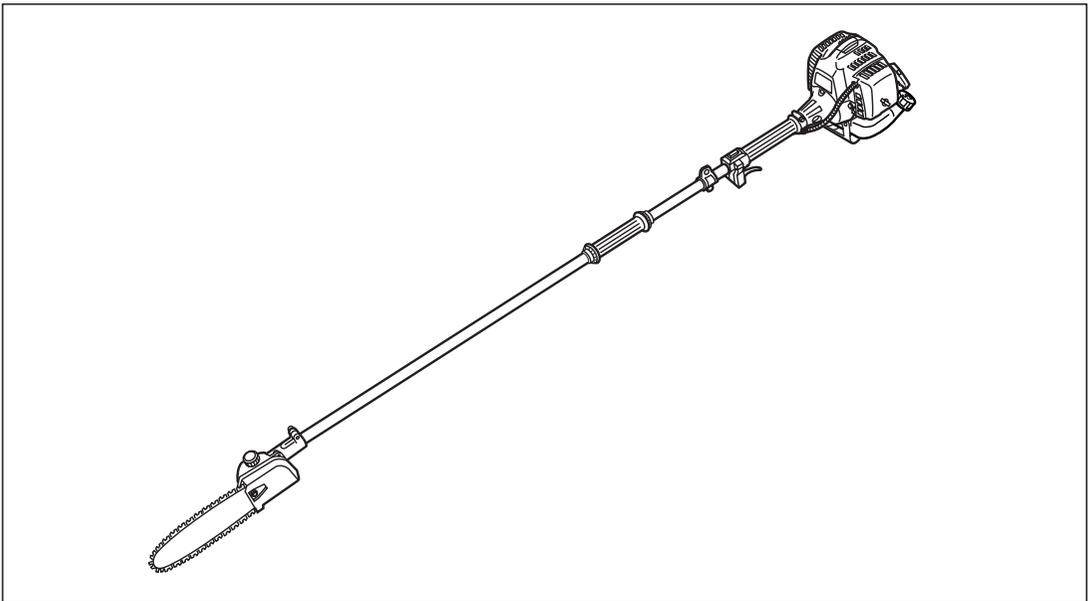




OWNER/OPERATOR MANUAL

POLE SAW

PSZ2500



WARNING



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



WARNING



Before using our machine, please read this manual carefully to understand the proper use of your unit.

APPLICABLE SERIAL NUMBERS :

DRIVE UNIT 000000 and up CUTTING UNIT 000000 and up ENGINE UNIT 50100000 and up



SAFETY FIRST

Instructions contained in warnings within this manual marked with a  symbol concern critical points which must be taken into consideration to prevent possible serious bodily injury, and for this reason you are requested to read all such instructions carefully and follow them without fail.

■ **WARNINGS IN THE MANUAL**



This mark indicates instructions which must be followed in order to prevent accidents which could lead to serious bodily injury or death.



This mark indicates instructions which must be followed, or it leads to mechanical failure, breakdown, or damage.

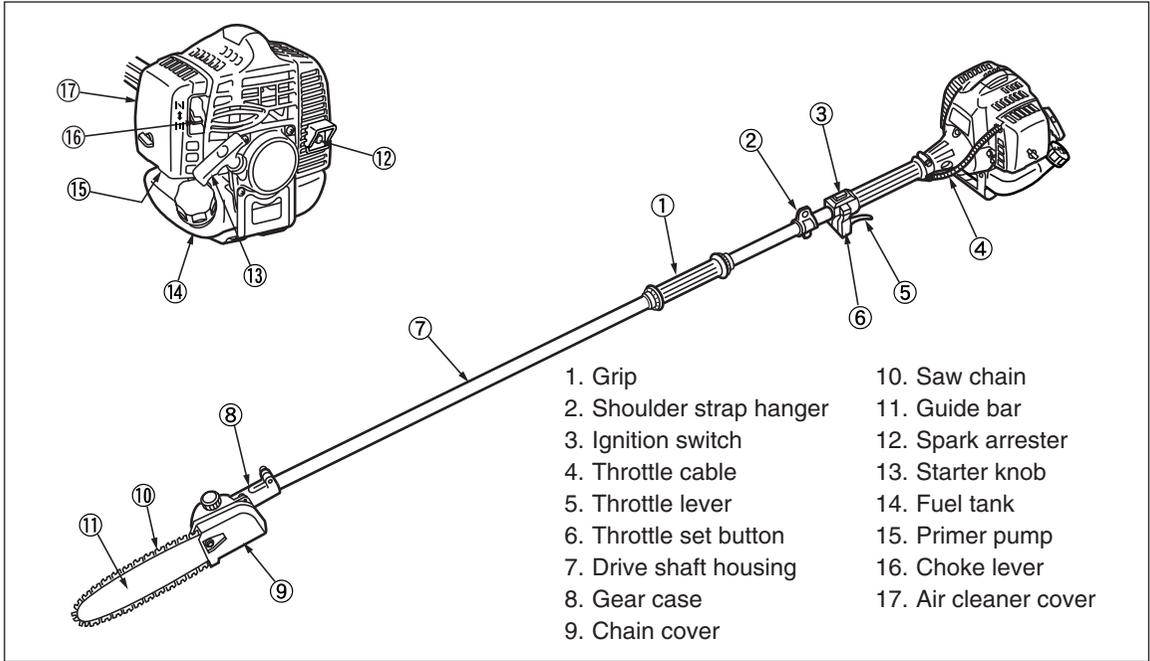


This mark indicates hints or directions useful in the use of the product.

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1. Parts location



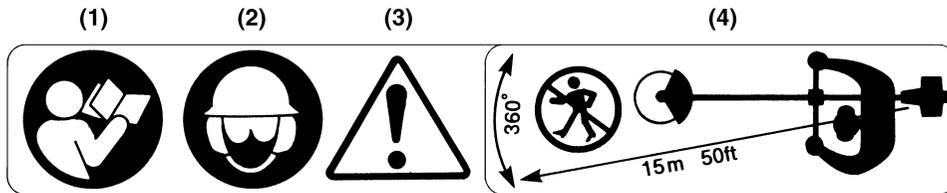
2. Specifications

■ PSZ2500

Overall size (LxWxH).....	83.9(2130)x9.8(250)x12.2(310) in(mm)
Dry weight w/o bar and chain	11.1(5.05) lbs(kg)
Engine	Type
	Model
	Displacement
	Max. output
	Idle speed
	Fuel
	Carburetor
	Spark plug
	Durability period
Fuel tank capacity.....	22.0 fl.oz (0.65 ℓ)
Transmission.....	Centrifugal clutch, Rigid driveshaft
Reduction ratio	0.94
Cutting head	Guide bar : Type.....
	: Size
	Saw chain : Type.....
	: pitch x guage
	Sprocket.....
	Oil pump
Standard Accessories	
	Shoulder strap.....
	Goggle.....
	Tool kit.....

Specifications are subject to change without notice.

3. Warning labels on the machine



- (1) Read owner's manual before operating this machine.
- (2) Wear head, eye and ear protection.
- (3) Handling this machine improperly could result in accidents causing serious injury or death. Read this manual carefully and practice using the machine until you are fully acquainted with all operations and have learned to use it correctly.
- (4) Keep all children, bystanders and helpers 15 meters away from the machine.

⚠ IMPORTANT

If warning label peel off or become soiled and impossible to read, you should contact the dealer from which you purchased the product to order new labels and affix them in the required location(s).

⚠ WARNING

Never modify your machine.
We won't warrant the machine, if you use the remodeled machine or you don't observe the proper usage written in the manual.

- (1) Lire le mode d'emploi avant d'utiliser cette machine.
- (2) Porter un casque de sécurité, des lunettes de sécurité et un casque antibruit.
- (3) Lorsque cet l'appareil est utilisé incorrectement, des accidents peuvent entraîner des blessures graves ou mortelles. Lire attentivement ce mode d'emploi et s'entraîner avec le machine pour se familiariser avec toutes les fonctions afin de l'utiliser correctement.
- (4) Interdire aux enfants ou à toute personne de s'approcher dans un rayon de 15 mètres de la débroussailleuse.

⚠ IMPORTANT

Si les étiquettes d'avertissement se décollent, deviennent sales ou impossible à lire, commander de nouvelles étiquettes auprès du revendeur pour les remplacer.

⚠ AVERTISSEMENT

Ne pas modifier la machine.
La garantie sera annulée si la machine a été modifiée ou utilisée de manière non conforme aux instructions de ce mode d'emploi.

4. Symbols on the machine

For safe operation and maintenance, symbols are carved in relief on the machine. According to these indications, please be careful not to take a mistake.



(a)

(a) The port to refuel the "MIX GASOLINE"

Position: FUEL TANK CAP



(b)

(b) The direction to close the choke

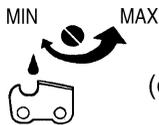
Position: AIR CLEANER COVER



(c)

(c) The direction to open the choke

Position: AIR CLEANER COVER



(d)

(d) If you turn the rod by screwdriver follow the arrow to the "MAX" position, the chain oil flow more, and if you turn to the "MIN" position, less.

Position: Bottom of the GEAR CASE

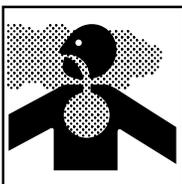
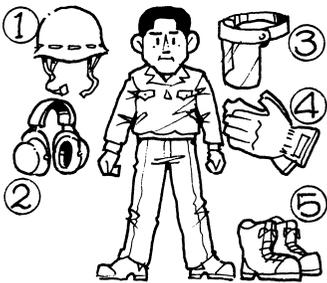
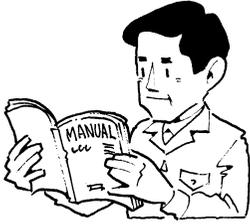
GZ25N
IMPORTANT ENGINE INFORMATION
 THIS ENGINE CONFORMS TO
 2005 U.S. EPA REGULATIONS
 FOR SMALL NONROAD ENGINES.
 COMPLIANCE PERIOD : CATEGORY A
 ENGINE FAMILY : 5KZXS.0254QR ; EM
 ENGINE DISPLACEMENT : 25cc
 REFER TO OWNER'S MANUAL FOR MAINTENANCE SPECIFICATIONS AND ADJUSTMENTS.
MANUFACTURED :

RedMax® **ZENOAH**
KOMATSU
 KOMATSU ZENOAH CO.
 Made in Japan

GZ25N
INFORMATION IMPORTANTE CONCERNANT LE MOTEUR
 CE MOTEUR EST CONFORME A LA
 REGLEMENTATION U.S. EPA 2005 POUR
 LES PETITS MOTEURS HORS-ROUTE.
 DUREE DE CONFORMITE : CATEGORIE A
 TYPE DE MOTEUR : 5KZXS.0254QR ; EM
 CYLINDREE DU MOTEUR : 25 cc
 SE REFERER AU MANUEL DE L'UTILISATEUR POUR LES
 SPECIFICATIONS D'ENTRETIEN ET LES REGLAGES.
FABRIQUE PAR :

RedMax® **ZENOAH**
KOMATSU
 KOMATSU ZENOAH CO.
 Made in Japan

5. For safe operation



1. Read this manual carefully until you completely understand and follow all safety and operating instructions.
2. Keep this manual handy so that you may refer to it later whenever any questions arise. Also note, if you have any questions which cannot be answered herein, contact the dealer from whom you purchased the product.
3. Always be sure to include this manual when selling, lending, or otherwise transferring the ownership of this product.
4. Never allow children or anyone unable to fully understand the directions given in the manual to use the machine.

■ WORKING CONDITION

1. When using the product, you should wear proper clothing and protective equipment.

(1) Helmet

(2) Ear protectors

(3) Protection goggles or face protector

(4) Thick work gloves

(5) Non-slip-sole work boots

2. And you should carry with you.

- (1) Attached tools and files
- (2) Properly reserved fuel
- (3) Spare guide bar and saw chain
- (4) Things to notify your working area (rope, warning signs)
- (5) Whistle (for collaboration or emergency)
- (6) Hatchet or saw (for removal of obstacles)

3. Do not wear loose clothing, jewelry, short trousers, sandals, or go barefoot. Do not wear anything which might be caught by a moving part of the unit. Secure hair so it is above shoulder length.

■ WORKING CIRCUMSTANCE

1. Never start the engine inside a closed room or building. Exhaust gases contain dangerous carbon monoxide.
2. Never use the product,
 - a. when the ground is slippery or when you can't maintain a steady posture.



5. For safe operation



- b. At night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the working area.
- c. During rain storms, during lightning storms, at times of strong or gale-force winds, or at any other times when weather conditions might make it unsafe to use the product.



■ WORKING PLAN

1. You should never use the product when under the influence of alcohol, when suffering from exhaustion or lack of sleep, when suffering from drowsiness as a result of having taken cold medicine or at any other time when a possibility exists that your judgment might be impaired or that you might not be able to operate the product properly and in a safe manner.
2. When planning your work schedule, allow plenty of time to rest. Limit the amount of time over which the product is to be used continuously to somewhere around 30~40 minutes per session, and take 10~20 minutes of rest between work sessions. Also try to keep the total amount of work performed in a single day under 2 hours or less.



▲ WARNING

1. If you don't observe the working time, or working manner (See ■ USING THE PRODUCT), Repetitive Stress Injury (RSI) could occur.
If you feel discomfort, redness and swelling of your fingers or any other part of your body, see a doctor before getting worse.
2. To avoid noise complaints, in general, operate product between 8a.m. and 5p.m. on weekdays and 9a.m. to 5p.m. weekends.

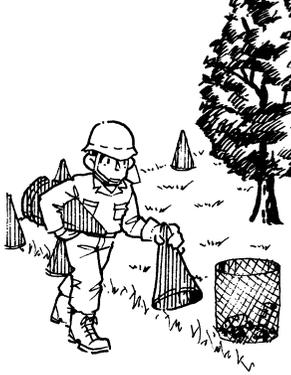


📖 NOTE

Check and follow the local regulations as to sound level and hours of operations for the product.



5. For safe operation

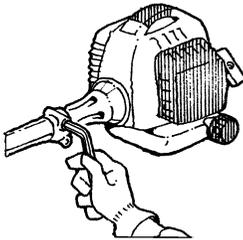


■ BEFORE STARTING THE ENGINE

1. Make sure there is always good ventilation when operating the pruner. Fumes from engine exhaust can cause serious injury or death. Never run the engine indoors!
2. The area within a perimeter of 50 feet (15m) of the person using the product should be considered a hazardous area into which no one should enter. If necessary yellow warning rope, warning signs should be placed around the perimeter of the area. When work is to be performed simultaneously by two or more persons, care should also be taken to constantly look around or otherwise check for the presence and locations of other people working so as to maintain a distance between each person sufficient to ensure safety.
3. Check the condition of working area to avoid any accident by hitting hidden obstacles such as stumps, stones, cans, or broken grass.

⚠ IMPORTANT

Remove any obstacle before beginning work.



4. Inspect the entire unit for loose fasteners and fuel leakage. Make sure that the cutting attachment is properly installed and securely fastened.
5. Always use the shoulder strap. Adjust the strap for comfort before starting the engine. The strap should be adjusted to fit your body according as your working posture.

■ STARTING THE ENGINE

1. Keep bystanders and animals at least 50 feet (15m) away from the operating point. If you are approached, immediately stop the engine.
2. The product is equipped with a centrifugal clutch mechanism, so the cutting attachment begins to rotate as soon as the engine is started by putting the throttle into the start position. When starting the engine, place the product onto the ground in a flat clear area and hold it firmly in place so as to ensure that neither the cutting part nor the throttle come into contact with any obstacle when the engine starts.





5. For safe operation

WARNING

Never place the throttle into the high speed position when starting the engine.

3. After starting the engine, check to make sure that the cutting attachment stops rotating when the throttle is moved fully back to its original position. If it continues to rotate even after the throttle has been moved fully back, turn off the engine and take the unit to your authorized Red Max servicing dealer for repair.

■ USING THE PRODUCT

IMPORTANT

Cut only materials recommended by the manufacturer. And use only for tasks explained in the manual.

1. Grip the handles firmly with both hands using your whole hand. Place your feet slightly apart (slightly further apart than the width of your shoulders) so that your weight is distributed evenly across both legs, and always be sure to maintain a steady, even posture while working.
2. Maintain the speed of the engine at the level required to perform cutting work, and never raise the speed of the engine above the level necessary.
3. Never operate the pruner at an angle greater than 60° in order to reduce the risk of being struck by falling objects during operation.
4. If the unit start to shake or vibrate, turn off the engine and check the whole unit. Do not use it until the trouble has been properly corrected.
5. Keep all parts of your body away from rotating cutting attachment and hot surfaces.
6. Never touch the muffler, spark plug, or other metallic parts of the engine while the engine is in operation or immediately after shutting down the engine. Doing so could result in serious burns or electrical shock.





5. For safe operation

• IF SOMEONE COMES

1. Guard against hazardous situations at all times. Warn adults to keep pets and children away from the area. Be careful if you are approached. Injury may result from flying debris.
2. If someone calls out or otherwise interrupts you while working, always be sure to turn off the engine before turning around.



■ MAINTENANCE

1. In order to maintain your product in proper working order, perform the maintenance and checking operations described in the manual at regular intervals.
2. Always be sure to turn off the engine before performing any maintenance or checking procedures.

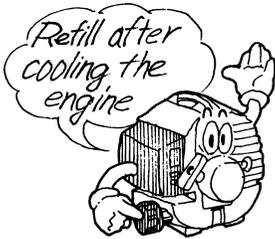
WARNING

The metallic parts reach high temperatures immediately after stopping the engine.

3. When replacing any part, or when replacing the oil or any lubricant, always be sure to **use only RedMax products or products which have been certified by RedMax for use with the RedMax product.**
4. In the event that any part must be replaced or any maintenance or repair work not described in this manual must be performed, please contact a representative from the store nearest RedMax authorized servicing dealer for assistance.
5. Do not use any accessory or attachment other than those bearing the RedMax mark and recommended for the unit.
6. Under no circumstances should you ever take apart the product or alter it in any way. Doing so might result in the product becoming damaged during operation or the product becoming unable to operate properly.



5. For safe operation

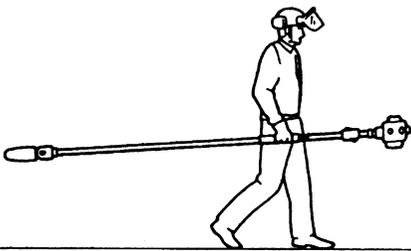


■ HANDLING FUEL

1. The engine of the RedMax product is designed to run on a mixed fuel which contains highly flammable gasoline. Never store cans of fuel or refill the tank of the unit in any place where there is a boiler, stove, wood fire, electrical sparks, welding sparks, or any other source of heat or fire which might ignite the fuel.
2. Never smoke while operating the unit or refilling its fuel tank.
3. When refilling the tank, always turn off the engine and allow it to cool down. Take a careful look around to make sure that there are no sparks or open flames anywhere nearby before refueling.
4. Wipe spilled fuel completely using a dry rag if any fuel spillage occurs during refueling.
5. After refueling, screw the fuel cap back tightly onto the fuel tank and then carry the unit to a spot 10 feet (3 m) or more away from where it was refueled before turning on the engine.

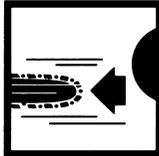
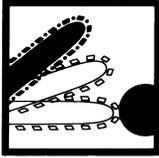
■ TRANSPORTATION

1. Never transport the pruner nor set it down with the engine running. An engine that's running could be accidentally accelerated causing the chain to rotate.
2. Make sure the scabbard is in place when transporting the pruner.
3. When carrying by hand, the chain should be pointing backward.
4. Never transport the product over rough roads over long distances by vehicle without removing all fuel from the fuel tank. If doing so, fuel might leak from the tank during transport.





5. For safe operation



■ KICKBACK AND PINCHING SAFETY PRECAUTIONS

Beware of kickback!

Kickback can occur whenever the tip of the guide bar touches an object while the saw is operating. Kickback may force the bar up and back toward the operator with lightning-like speed!

Beware of pinching.

Pinching the saw along the tip of the guide bar may force the bar back rapidly toward the operator. Pinching can occur whenever wood closes in around the moving chain.

WARNING

Both kickback and pinching may cause you to lose control of the pole pruner which could result in serious personal injury. **Do not rely exclusively on the safety device built into the pruner!** You must take several steps to keep your jobs free from accident or injury:

1. Understand kickback and pinching! You can reduce or eliminate the element of surprise. Sudden surprises contributes to accidents.
2. Keep a firm grip on the pole pruner with both hands whenever the engine is running. A firm grip will help you reduce the affects of kickback and pinching as well as maintain control of the machine.
3. Make sure the area in which you are cutting is free from obstructions. Do not let the nose of the guide bar contact a log, branch, or any other obstructions which could be hit while you operation the pole pruner.
4. Cut at high engine speeds.
5. Follow the manufacturer's instructions for sharpening and maintaining the chain.
6. Use only the replacement bar and chain or equivalent as specified by the manufacturer.



5. For safe operation

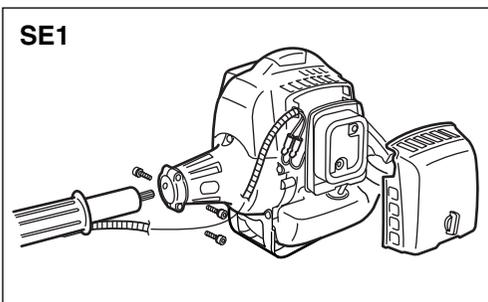
⚠ WARNING

- Make sure the chain and sprocket are correctly adjusted before operating the pruner (see page 15,16 for adjustment procedures). Never attempt chain adjustment with the engine running!
- Always make sure the cutting attachment is properly installed and firmly tightened before operation.
- Never use a cracked or warped guide bar: replace it with a serviceable one and make sure it fits properly.
- If a saw blade should bind fast in a cut, shut off the engine immediately. Push the branch or tree to ease the bind and free the blade.
- Do not operate the pole pruner with the muffler removed.
- When cutting a limb that is under tension, be alert for springback so that you will not be struck by the moving limb.
- Always stop the engine immediately and check for damage if you strike a foreign object or if the machine becomes tangled. Do not operate with broken or damaged equipment.

❗ IMPORTANT

- Do not make unauthorized modifications or substitutions to the guide bar or chain.
- Never allow the engine to run at high RPM without a load. Doing so could damage the engine.
- Keep the pruner as clean as possible. Keep it free of loose vegetation, mud, etc.

6. Set up

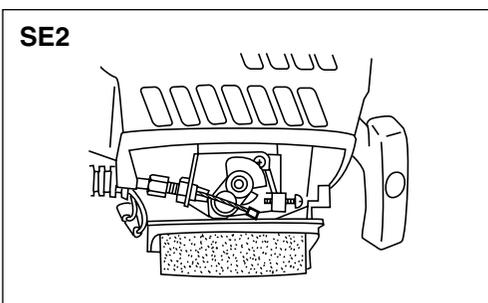


■ MOUNTING ENGINE (SE1)

1. Push the driveshaft housing toward the clutch housing and rotate it by hand to check that the driveshaft is engaged with the gears.
2. Insert the driveshaft housing into the clutch housing until it bottoms, and align the positioning holes on the clutch housing and the shaft tube and install the screw. When difficult to engage, twist the engine slightly.
3. Fasten the clamp securely with two screws.

⚠ IMPORTANT

Tighten the screws gradually by turns.



■ CONNECTING THROTTLE WIRE

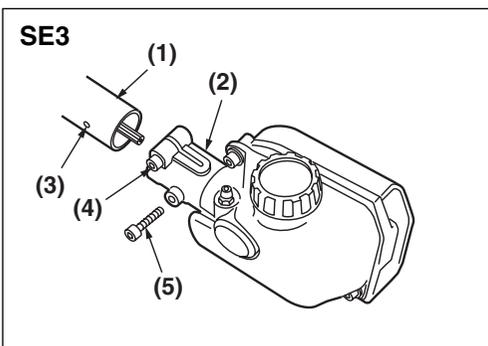
1. Remove the air cleaner cover.
2. Connect the end of the throttle wire to the joint on the top of the carburetor. (SE2)

■ CONNECTING SWITCH WIRES

- Connect the switch wires between the engine and the main unit. Pair the wires of the same color.

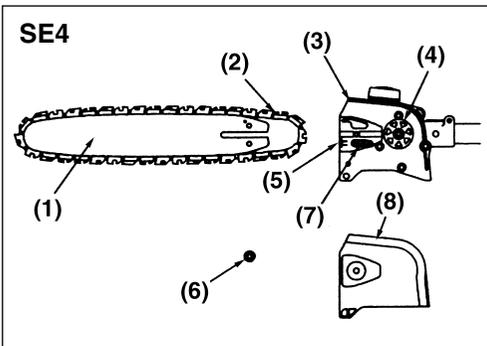
■ ATTACHING THE PRUNING MECHANISM (SE3)

1. Remove the cap on the end of the main pipe.
2. Remove the screw screwed into the end of the gear case.
3. Insert the end of the gear case into the main pipe.
4. Line up the hole on the end of the gear case into which the screw is to be inserted with the hole on the main pipe, and screw the screw firmly in.
5. Using a wrench, screw in the bolt provided to fix the mechanism into place.



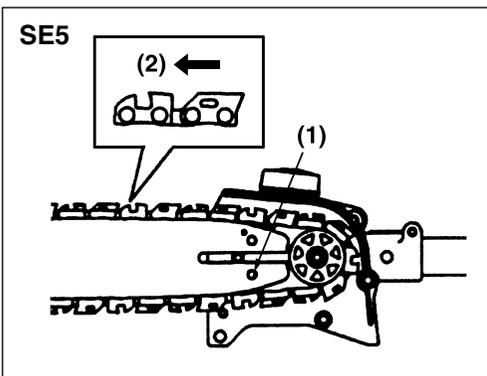
- (1) Main pipe
- (2) Gear case
- (3) Screw hole
- (4) Fastening bolt
- (5) Bolt

6. Set up



A standard package contains the items as shown below. (SE4)

- (1) Guide bar
- (2) Saw chain
- (3) Gase case
- (4) Sprocket
- (5) Chain tension adjust screw
- (6) Nut
- (7) Chain tensioner nut
- (8) Chain cover

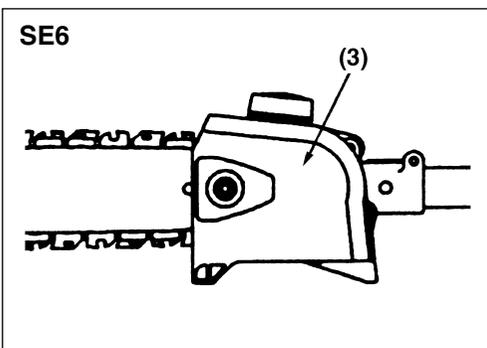


Install the guide bar and the saw chain on the gear case as follows.



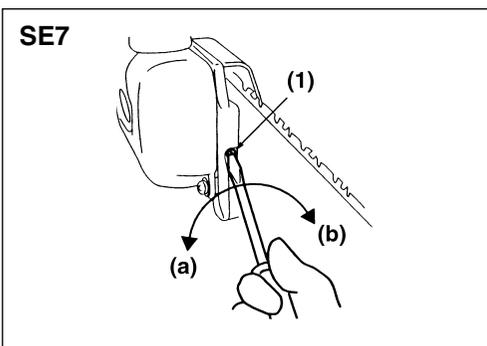
The saw chain has very sharp edges. Use protective gloves for safety.

1. Loosen a nut and remove the chain cover.
2. Mount the guide bar then fit the saw chain around the bar and sprocket.(SE5)



Pay attention to the correct direction of the saw chain

3. Fit the chain tensioner nut into the lower hole of the guide bar, then install the chain cover, and fasten the mounting nut to finger tightness. (SE5)(SE6)

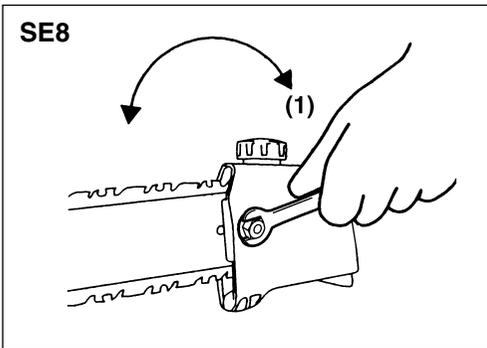


- (1) Hole
- (2) Moving direction
- (3) Chain tensioner nut

4. Adjust the chain tension by turning the tensioner screw until the tie straps just touch the bottom side of the bar rail. (SE7)

- (1) Chain tension adjusting screw
- (a) Loosen
- (b) Tighten

6. Set up



5. Tighten the mounting nut securely with the bar tip held up (SE8)(TORQUE: 8.9~11.7 N.m./90~120 kg-cm). Then check the chain for smooth rotation and correct tension while moving it by hand. If necessary, readjustment.

(1) Tighten



It is very important to maintain the proper chain tension. Rapid wear of the guide bar or the chain coming off easily can be caused by improper tension. Especially when using a new chain, take good care of it since it should expand when first used.

■ BALANCE UNIT

1. Put on strap and attach unit to strap.
2. Depending on the working posture, slide clamp up or down until unit balances and the strap fits your body.

7. Fuel and chain oil

⚠ WARNING

- Gasoline is very flammable. Avoid smoking or bringing any flame or sparks near fuel. Make sure to stop the engine and allow it cool before refueling the unit. Select outdoor bare ground for fueling and move at least 3m (10ft) away from the fueling point before starting the engine.



- The RedMax engines are lubricated by oil specially formulated for air-cooled 2-cycle gasoline engine use. If RedMax oil is not available, use an anti-oxidant added quality oil expressly labeled for air-cooled 2-cycle engine use. (JASO FC GRADE OIL or ISO EGC GRADE)
- Do not use BIA or TCW (2-stroke water-cooling type) mixed oil.



■ RECOMMENDED MIXING RATIO GASOLINE 50:OIL 1

50:1 MIXING CHART

GASOLINE gal.	1	2	3	4	5
2-CYCLE OIL fl.oz	2.6	5.2	7.8	10.4	13

GASOLINE liter	1	2	3	4	5
2-CYCLE OIL ml	20	40	60	80	100

- Exhaust emission are controlled by the fundamental engine parameters and components (eq., carburation, ignition timing and port timing) without addition of any major hardware or the introduction of an inert material during combustion.
- These engines are certified to operate on unleaded gasoline.
- Make sure to use gasoline with a minimum octane number of 89 RON (USA/Canada: 87AL)
- If you use a gasoline of a lower octane value than prescribed, there is a danger that the engine temperature may rise and an engine problem such as piston seizing may consequently occur.
- Unleaded gasoline is recommended to reduce the contamination of the air for the sake of your health and the environment.
- Poor quality gasolines or oils may damage sealing rings, fuel lines or fuel tank of the engine.

■ HOW TO MIX FUEL

⚠ IMPORTANT

Pay attention to agitation.

- Measure out the quantities of gasoline and oil to be mixed.
- Put some of the gasoline into a clean, approved fuel container.
- Pour in all of the oil and agitate well.
- Pour In the rest of gasoline and agitate

7. Fuel and chain oil

again for at least one minute. As some oils may be difficult to agitate depending on oil ingredients, sufficient agitation is necessary for the engine to last long. Be careful that, if the agitation is insufficient, there is an increased danger of early piston seizing due to abnormally lean mixture.

5. Put a clear indication on the outside of the container to avoid mixing up with gasoline or other containers.
6. Indicate the contents on outside of container for easy identification.

■ FUELING THE UNIT

1. Untwist and remove the fuel cap. Rest the cap on a dustless place.
2. Put fuel into the fuel tank to 80% of the full capacity.
3. Fasten the fuel cap securely and wipe up any fuel spillage around the unit.

▲ WARNING

1. **Select bare ground for fueling.**
2. **Move at least 10feet (3meters) away from the fueling point before starting the engine.**
3. **Stop the engine before refueling the unit. At that time, be sure to sufficiently agitate the mixed gasoline in the container.**

FOR YOUR ENGINE LIFE, AVOID;

1. **FUEL WITH NO OIL(RAW GASOLINE)** – It will cause severe damage to the internal engine parts very quickly.
2. **GASOHOL** – It can cause deterioration of rubber and/or plastic parts and disruption of engine lubrication.
3. **OIL FOR 4-CYCLE ENGINE USE** – It can cause spark plug fouling, exhaust port blocking, or piston ring sticking.
4. **Mixed fuels which have been left unused for a period of one month or more** may clog the carburetor and result in the engine failing to operate properly.

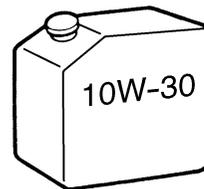
5. In the case of storing the product for a long period of time, clean the fuel tank after rendering it empty. Next, activate the engine and empty the carburetor of the composite fuel.
6. In the case of scrapping the used mixed oil container, scrap it only at an authorized repository site.

NOTE

As lot details of quality assurance, read the description in the section Limited Warranty carefully. Moreover, normal wear and change in product with no functional influence are not covered by the warranty. Also, be careful that, if the usage in the instruction manual is not observed as to the mixed gasoline, etc. described therein, it may not be covered by the warranty.

■ CHAIN OIL

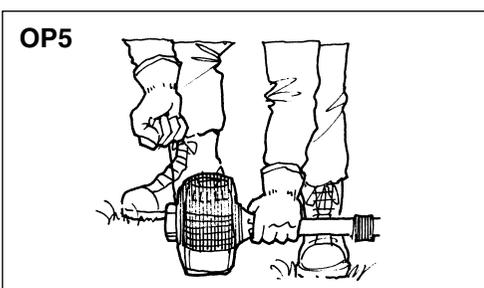
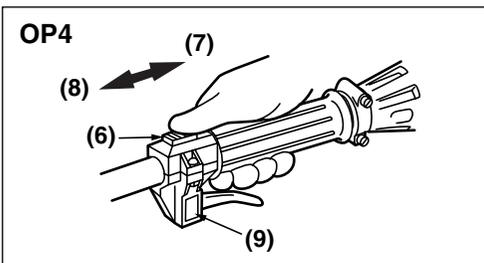
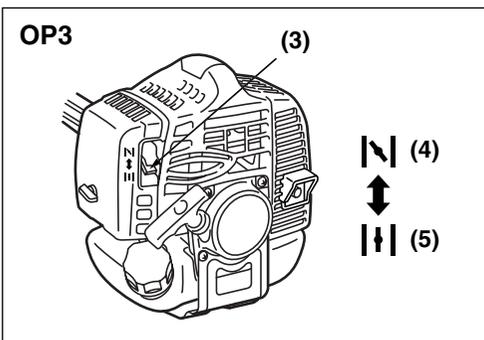
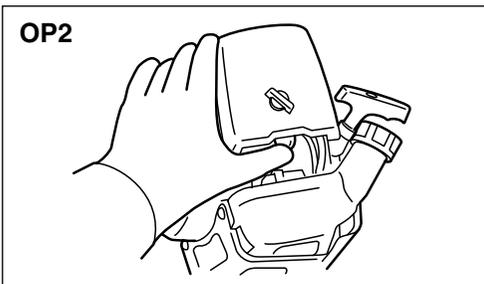
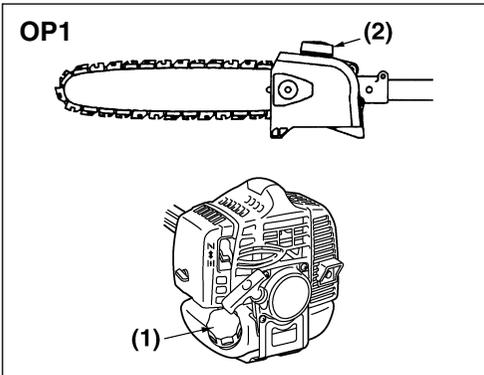
Use motor oil SAE 10W-30 all year round, or SAE 30-40 in summer and SAE 20 in winter.



NOTE

Do not use waste or regenerated oil that can cause damage to the oil pump.

8. Operation



■ STARTING ENGINE

⚠ WARNING

The cutting head will start rotating upon the engine starts.

1. Feed fuel and chain oil into their respective tanks and tighten the caps securely. (OP1)
2. Rest the unit on a flat, firm place. Keep the cutting head off the ground and clear of surrounding objects as it will start rotating upon starting of the engine.
3. Push the primer pump several times until overflow fuel flows out in the clear tube. (OP2)
4. Move the choke lever to the closed position. (OP3)
5. Set the ignition switch to the “start” position. While pulling the throttle lever, push the set button, and release the throttle, then the throttle lever is in to the “start” position. (OP4)
6. While holding the unit firmly, pull out the starter rope quickly until engine fires. (OP5)

(1) fuel (2) chain oil (3) choke lever (4) close (5) open (6) ignition switch (7) start (8) stop (9) throttle set button

ⓘ IMPORTANT

- Avoid pulling the rope to its end or returning it by releasing the knob. Such actions can cause starter failures.

7. Move the choke lever downward to open the choke. And restart engine. (OP3)
8. Allow the engine to warm up for a several minutes before starting operation.

📖 NOTE

1. When restarting the engine immediately after stopping it, leave the choke open.
2. Overchoking can make the engine hard to start due to excess fuel. When the engine failed to start after several attempts, open the choke and repeat pulling the rope, or remove the spark plug and dry it.

8. Operation

■ STOPPING ENGINE (OP4)

1. Release the throttle lever and run the engine for a half minute.
2. Shift the ignition switch to the STOP position.

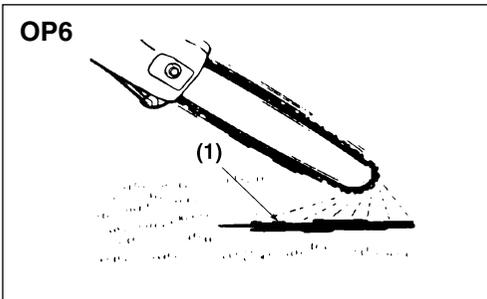
⚠ IMPORTANT

- Except for an emergency, avoid stopping the engine while pulling the throttle lever.

■ CHECKING OIL SUPPLY

After starting the engine, run the chain at medium speed and see if chain oil is scattered off as shown in the figure. (OP6)

(1) Chain oil



📖 NOTE

The oil reservoir has a capacity sufficient to provide about 40 minutes of cutting time (when set to deliver the minimum flow rate, or about as long as you'll get from a tank of fuel). Be sure to refill the oil tank every time when refueling the saw.

■ ADJUSTING OIL FLOW RATE

⚠ WARNING

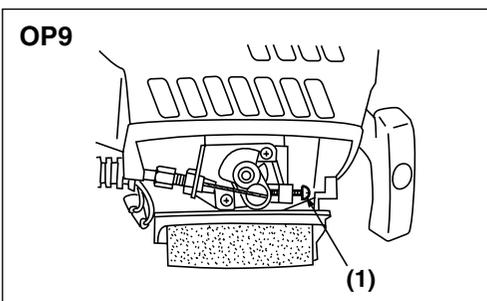
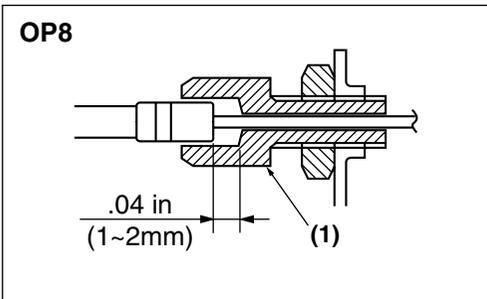
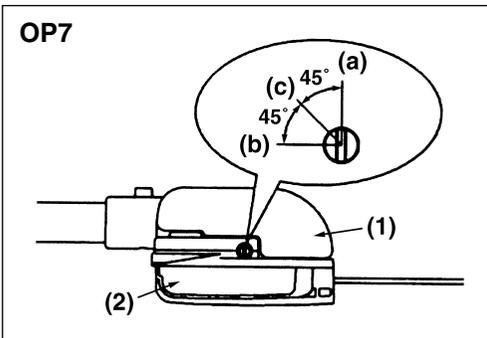
Never fill the oil reservoir nor adjust the oiler with the engine running.

⚠ IMPORTANT

An increase in bar oil flow rate will speed oil consumption, requiring more frequent checks on the oil reservoir. To ensure sufficient lubrication, it may be necessary to check the oil level more frequently than at fuel tank refills.

The guide bar and chain are lubricated automatically by a pump that operates whenever the chain rotates. The pump is set at the factory to deliver a minimum flow rate, but it can be adjusted in the field. A temporary increase in oil flow is often desirable when cutting things like hardwood or wood with a lot of pitch.

8. Operation



Adjust the pump as follows:

1. Stop the engine and make sure the stop switch is in the OFF position.
2. Place the unit on its side with the oil reservoir up. (OP7)

(1) Oil tank (2) Chain cover

⚠ IMPORTANT

The oil flow adjusting screw must be pressed in slightly in order to turn. Failure to do so could damage the pump and screw.

3. With a screwdriver, push in on the oil flow rate adjusting screw and turn in the desired direction (there are three incremental settings):

(a) Clockwise-decrease lubrication.
 (b) Counter clockwise-increase lubrication.
 (c) Middle

■ ADJUSTING THROTTLE CABLE

- The normal play is 1 or 2mm when measured at the carburetor side end. Readjust with the cable adjuster as required. (OP8)

(1) cable adjuster

■ ADJUSTING IDLING SPEED (OP9)

1. When the engine tends stop frequently at idling mode, turn the adjusting screw clockwise.
2. When the cutting head keeps rotating after releasing the trigger, turn the adjusting screw counter-clockwise.

(1) idle adjusting screw

📖 NOTE

- Warm up the engine before adjusting the idling speed.

⚠ WARNING

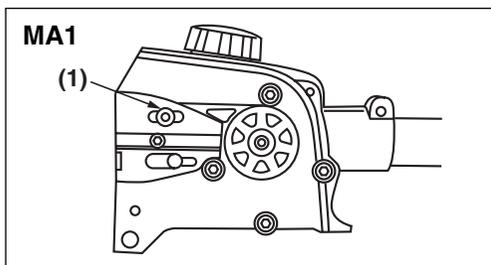
- Always wear work gloves made of leather or some other sturdy material when using the polesaw.
- **Falling branches may fall onto the face or into the eyes, resulting in injuries, scratches, and cuts, and for this reason you should always be sure to wear a helmet and face protector when using your polesaw.**

9. Maintenance

Maintenance, replacement, or repair of the emission control device and systems may be performed by any non-road engine repair establishment or individual.

MAINTENANCE CHART

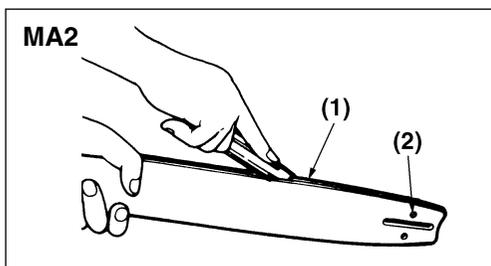
	system/component	procedure	before use	every 25 hours after	every 50 hours after	every 100 hours after	note
ENGINE	fuel leaks, fuel spillage	wipe out	✓				
	fuel tank, air filter, fuel filter	inspect/clean	✓	✓			replace, if necessary
	idle adjusting screw	see ■ADJUSTING IDLING SPEED (p.21)	✓				replace carburetor if necessary
	spark plug	clean and readjust plug gap			✓		GAP: .025in(0.6~0.7mm) replace, if necessary
	cylinder fins, intake air cooling vent	clean		✓			
	muffler, spark arrester, cylinder exhaust port	clean			✓		
SHAFT	throttle lever, ignition switch	check operation	✓				
	gear case	grease		✓			
	screws/nuts/bolts	tighten/replace	✓			✓	not adjusting screws
CUTTING UNIT	oiling port	clean	✓				
	guide bar	clean	✓				
	sprocket	inspect/replace			✓		
	saw chain	inspect/sharp	✓				



■ OILING PORT

Dismount the guide bar and check the oiling port for clogging. (MA1)

(1) Oiling port

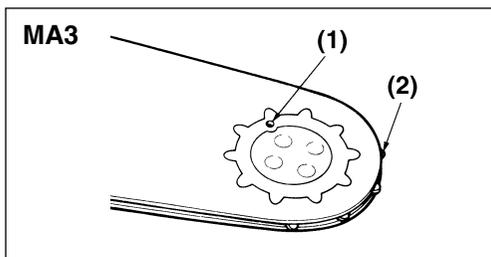


■ GUIDE BAR

Remove sawdust in the bar groove and the oiling port. (MA2)

(1) Groove

(2) Oiling port



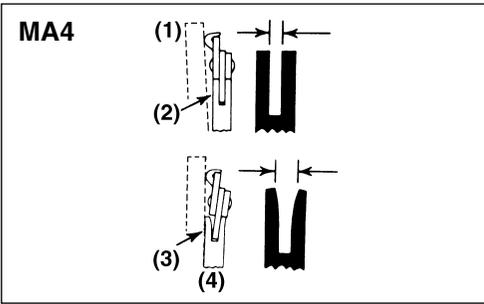
(Type: Sprocket nose)

Grease the nose sprocket from the feeding port on the tip of the bar. (MA3)

(1) Grease port

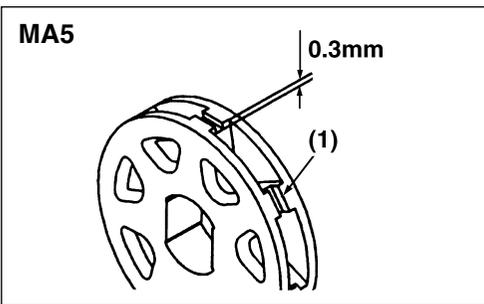
(2) Sprocket

9. Maintenance



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 a cutter. If a gap is observed between them, the rail is normal. Otherwise, the bar rail is worn. Such a bar needs to be corrected or replaced.(MA4)

- (1) Ruler
- (2) Gap
- (3) No gap
- (4) Chain tilts



■ SPROCKET

Check for extensive wear, and replace it when the teeth are worn over 0.3mm. (MA5)

- (1) Sprocket

■ SAW CHAIN



It is very important for smooth and safe operation to keep the cutters always sharp.

Your cutters need to be sharpened when:

- Sawdust becomes powder-like.
- You need extra force to saw in.
- The cut way does not go straight.
- Vibration increases.
- Fuel consumption increases.

Cutter setting standards:

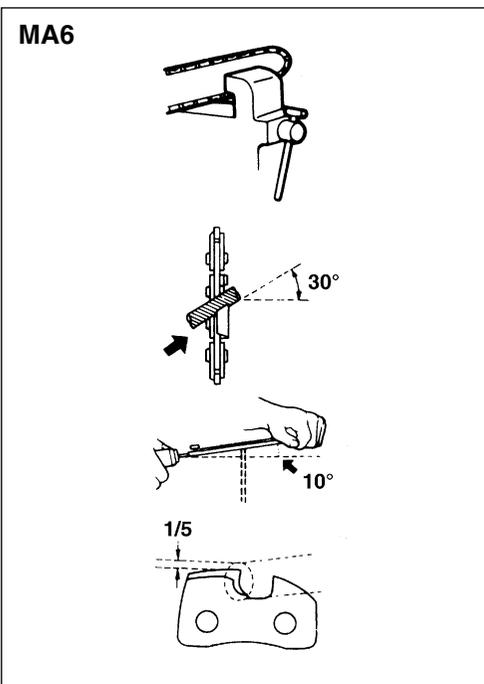


Be sure to wear safety gloves.

Before filing:

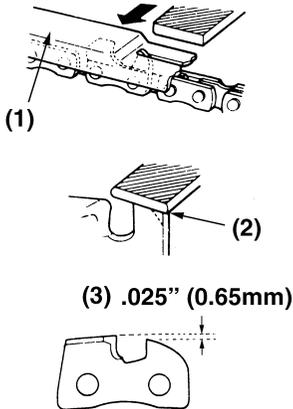
- Make sure the saw chain is held securely.
- Make sure the engine is stopped.
- Use a round file of proper size for your chain.

Chain type : **90SG**
 File size : **5/32 in (4.0mm)**



9. Maintenance

MA7



Place your file on the cutter and push straight forward. Keep the file position as illustrated. (MA6)

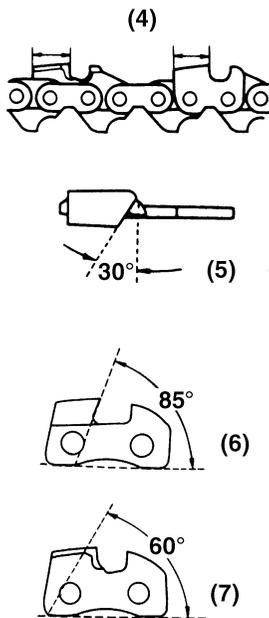
After every cutter has been set, check the depth gauge and file it to the proper level as illustrated. (MA7)

WARNING

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

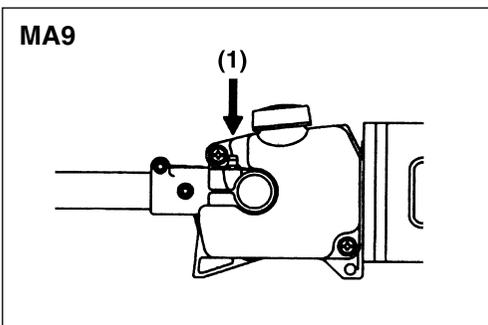
MA8



Make sure every cutter has the same length and edge angles as illustrated. (MA8)

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

9. Maintenance



■ GEAR CASE

The reduction gears are lubricated by multipurpose, lithium-based grease in the gearcase.

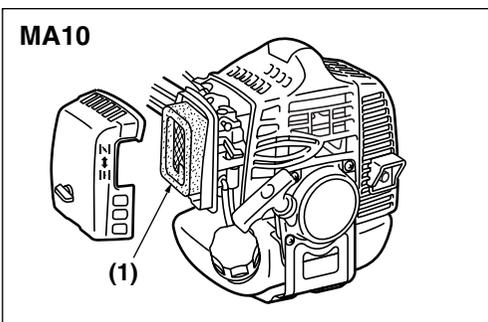
Supply new grease every 25 hours of use or more often depending on the job condition.

When adding lubricant, use a grease gun to insert lubricant into the three grease nipples located on the gear case. (MA9)

(1) Grease fitting

⚠ WARNING

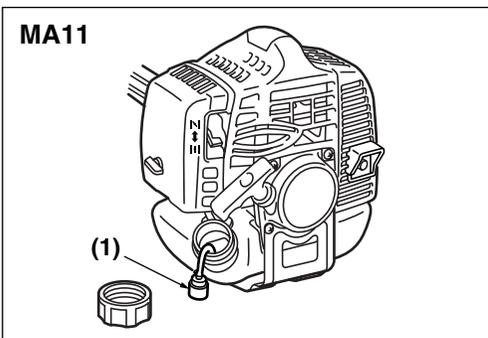
- Make sure that the engine has stopped and is cool before performing any service to the machine. Contact with moving cutting head or hot muffler may result in a personal injury.



■ AIR FILTER

- The air filter, if clogged, will reduce the engine performance. Check and clean the filter element in warm, soapy water as required. Dry completely before installing. If the element is broken or shrunk, replace with a new one. (MA10)

(1) air filter

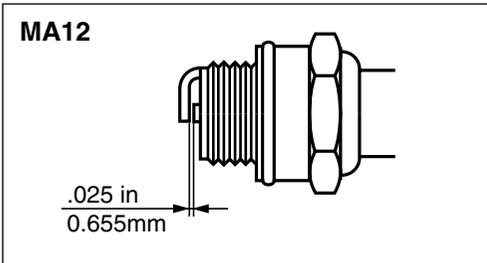


■ FUEL FILTER

- When the engine runs short of fuel supply, check the fuel cap and the fuel filter for blockage. (MA11)

(1) fuel filter

9. Maintenance



■ SPARK PLUG

- Starting failure and mis-firing are often caused by a fouled spark plug. Clean the spark plug and check that the plug gap is in the correct range. For a replacement plug, use the correct type specified by RedMax. (MA12)
- **REPLACEMENT PLUG IS A NGK CMR7A.**

⚠ IMPORTANT

- Note that using any spark plug other than those designated may result in the engine failing to operate properly or in the engine becoming overheated and damaged.
- To install the spark plug, first turn the plug until it is finger tight, then tighten it a quarter turn more with a socket wrench.

**TIGHTENING TORQUE: 87~104 in-lbs
(9.8~11.8 N.m.)**

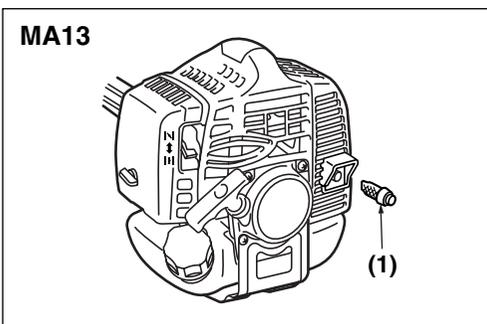
■ MUFFLER

⚠ WARNING

- Inspect periodically, the muffler for loose fasteners, any damage or corrosion. If any sign of exhaust leakage is found, stop using the machine and have it repaired immediately.
- **Note that failing to do so may result in the engine catching on fire.**

■ SPARK ARRESTER

- The muffler is equipped with a spark arrester to prevent red hot carbon from flying out of the exhaust outlet. Periodically inspect and clean as necessary with a wire brush. In the State of California it is required by law (Section 4442 of the California Public Resources Code) to equip a spark arrester when a gas powered tool is used in any forest covered, brush covered, or grass covered unimproved land. (MA13)



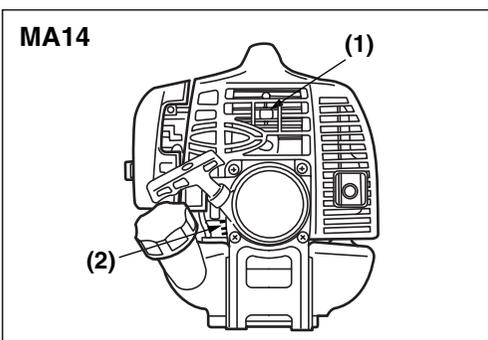
(1) spark arrester

9. Maintenance

■ INTAKE AIR COOLING VENT

⚠ WARNING

- Never touch the cylinder, muffler, or spark plugs with your bare hands immediately after stopping the engine. The engine can become very hot when in operation, and doing so could result in severe burns.
- When checking the machine to make sure that it is okay before using it, check the area around the muffler and remove any wood chips or leaves which have attached themselves to the pole saw. Failing to do so could cause the muffler to become overheated, and that this in turn could cause the engine to catch on fire. Always make sure that the muffler is clean and free of wood chips, leaves, and other waste before use.
- Check the intake air cooling vent and the area around the cylinder cooling fins after every 25 hours of use for blockage, and remove any waste which has attached itself to the pole saw. Note that it is necessary to remove the engine cover shown in (MA14) in order to be able to view the upper part of the cylinder.



ⓘ IMPORTANT

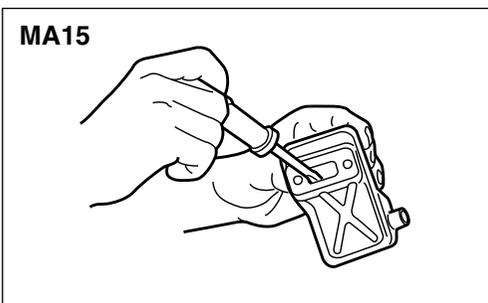
- If waste gets stuck and causes blockage around the intake air cooling vent or between the cylinder fins, it may cause the engine to overheat, and that in turn may cause mechanical failure on the part of the pole saw. (MA14)

(1) cylinder

(2) intake air cooling vent (back)

■ PROCEDURES TO BE PERFORMED AFTER EVERY 100 HOURS OF USE

1. Remove the muffler, insert a screwdriver into the vent, and wipe away any carbon buildup. Wipe away any carbon buildup on the muffler exhaust vent and cylinder exhaust port at the same time. (MA15)
2. Tighten all screws, bolts, and fittings.
3. Check to see if any oil or grease has worked its way in between the clutch lining and drum, and if it has wipe it away using oil-free, lead-free gasoline.



10. Storage

- Aged fuel is one of major causes of engine starting failure. Before storing the unit, empty the fuel tank and run the engine until it uses all the fuel left in the fuel line and the carburetor. Store the unit indoor taking necessary measures for rust prevention.

11. Troubleshooting guide

Case 1. Starting failure

CHECK		PROBABLE CAUSES		ACTION
fuel tank	→	incorrect fuel	→	drain it and with correct fuel
fuel filter	→	fuel filter is clogged	→	clean
carburetor adjustment screw	→	out of normal range	→	adjust to normal range
sparkling (no spark)	→	spark plug is fouled/wet	→	clean/dry
	→	plug gap is incorrect	→	correct (GAP: 0.6~0.7mm)
spark plug	→	disconnected	→	retighten

Case 2. Engine starts but does not keep running/Hard re-starting.

CHECK		PROBABLE CAUSES		ACTION
fuel tank	→	incorrect fuel or staled fuel	→	drain it and with correct fuel
carburetor adjustment screw	→	out of normal range	→	adjust to normal range
muffler,cylinder (exhaust port)	→	carbon is built-up	→	wipe away
air cleaner	→	clogged with dust	→	wash
cylinder fin, fan cover	→	clogged with dust	→	clean

When your unit seems to need further service, please consult with our RedMax service shop in your area.

12. Parts list

POLE SAW

PSZ2500

NOTE :

1. Use KOMATSU ZENOAH genuine parts as specified in the parts list for repair and/or replacement.
2. KOMATSU ZENOAH does not warrant the machines, which have been damaged by the use of any parts other than those specified by the company.
3. When placing parts orders for repair and/or replacement, check if the model name and the serial number are applicable to those specified in the parts list, then use parts number described in the parts list.
4. The contents described in the parts list may change due to improvement.
5. The parts for the machine shall be supplied seven (7) years after the machine is discontinued. [It is possible that some specific parts may be subject to change of their delivery term and list price within the limit of seven (7) years after the machine is discontinued. It is also possible that some parts may be available even after the limit of seven (7) years.]

APPLICABLE SERIAL NUMBERS :

Dec. 2003

DRIVE UNIT 000000 and up CUTTING UNIT 000000 and up ENGINE UNIT 50100000 and up

12. Parts list

Fig.1 DRIVE UNIT PSZ2500 (S/N 000000 and up)

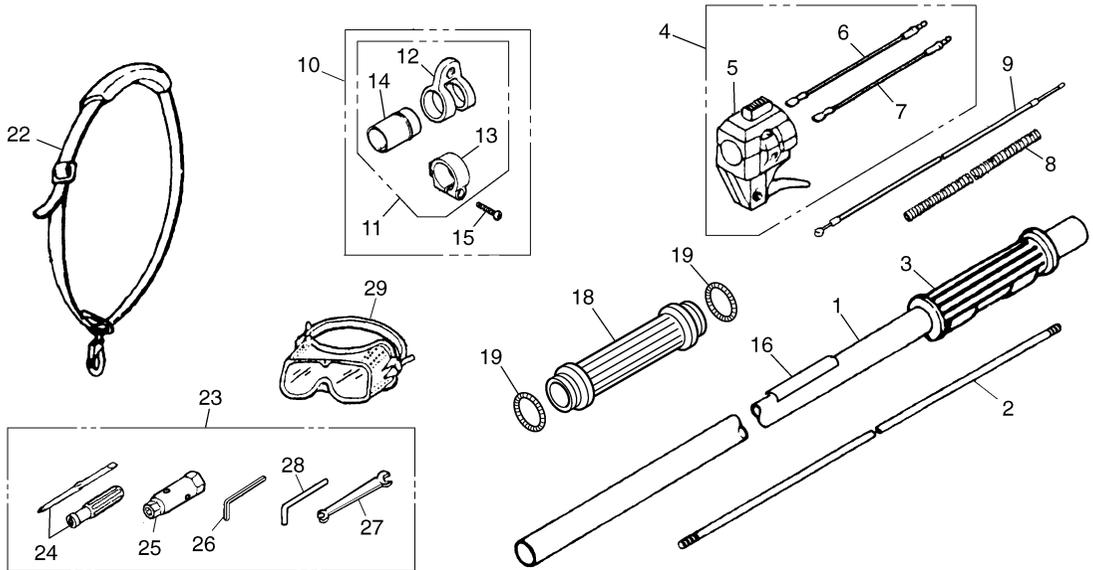


Fig.2 CUTTING UNIT PSZ2500 (S/N 000000 and up)

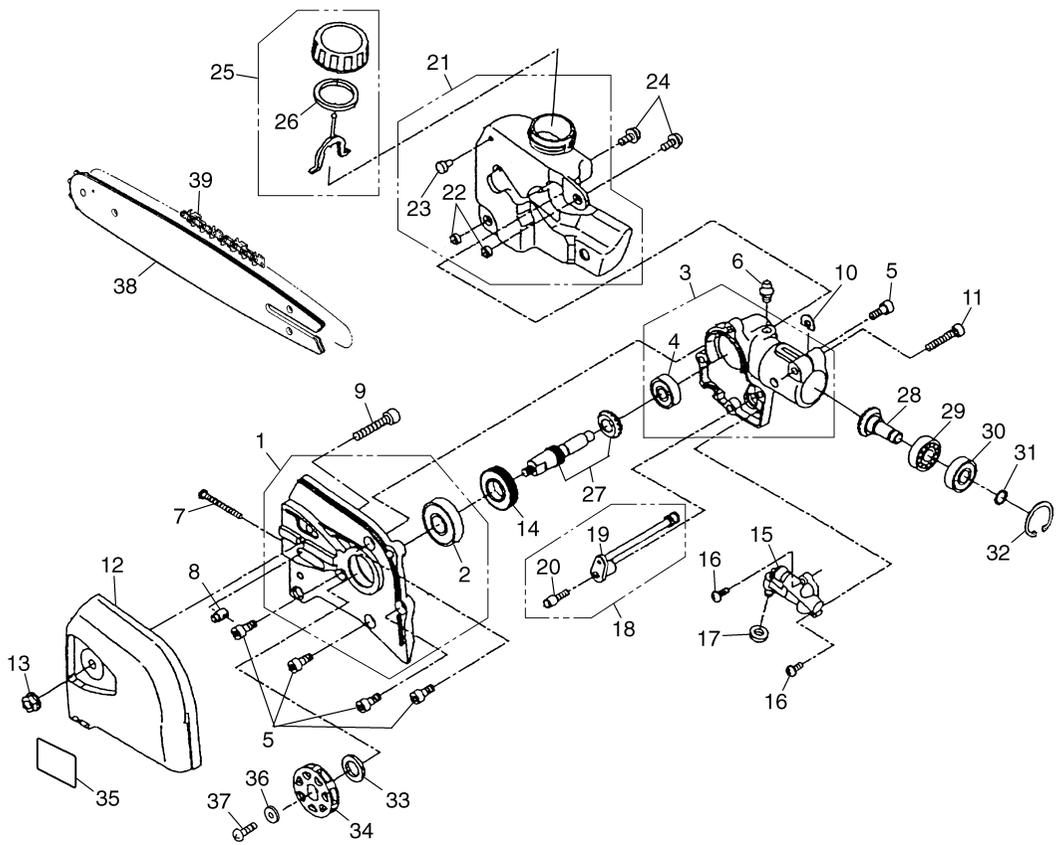


Fig.1 DRIVE UNIT PSZ2500 (S/N 000000 and up)

Key#	Description	Part Number	Q'ty	Key#	Description	Part Number	Q'ty
1	PIPE COMP.	T3002-12101	1	16	NAME PLATE	848-A52-90R3	1
2	SHAFT	3520-12213	1				
3	GRIP	6442-11332	1	18	GRIP	6442-11332	1
4	LEVER COMP.	T3002-12202	1	19	SPRING	6130-11341	2
5	• LEVER	6110-14412	1				
6	• CORD(A)	T3002-12220	1	22	STRAP ASSY	T3300-17100	1
7	• CORD(B)	T3002-12230	1	23	TOOL SET	T3002-91000	1
8	TUBE	T3002-12240	1	24	• DRIVER	1030-91340	1
9	CABLE COMP.	T3002-83100	1	25	• SOCKET	T3002-91310	1
10	HANGER ASSY	6420-17300	1	26	• WRENCH	09007-00425	1
11	• HANGER COMP.	6420-17400	1	27	• SPANNER	3540-91120	1
12	•• HANGER	9366-17110	1	28	• BAR	3540-91110	1
13	•• CLAMP	9366-17120	1	29	GOGGLE	T3002-91190	1
14	•• SLEEVE	6420-17410	1				
15	• SCREW	0263-90525	1				

Fig.2 CUTTING UNIT PSZ2500 (S/N 000000 and up)

Key#	Description	Part Number	Q'ty	Key#	Description	Part Number	Q'ty
1	GEAR CASE (L)COMP.	848-A52-6211	1	30	BEARING	06002-00609	1
2	• BEARING	06004-06001	1	31	SNAP RING	3210-13330	1
3	GEAR CASE (R)COMP.	T3073-13200	1	32	SNAP RING	04065-02412	1
4	• BEARING	06002-00627	2	33	COLLAR	T3073-13530	1
5	BOLT	01252-30512	5	34	SPROCKET	T3073-13540	1
6	FITTING	3199-13350	1	35	LABEL	T3073-13590	1
7	SCREW, tensioner	T3073-13310	1	36	WASHER	T3073-13350	1
8	NUT, tensioner	T3073-13320	1	37	SCREW	T3073-13360	1
9	BOLT	01252-30630	1	38	BAR 12"		
10	SIM	T3073-13250	1		OREGON	109666	1
11	BOLT	3245-11350	1	39	CHAIN		
12	CHAIN COVER	T3073-13510	1		OREGON	90SG44X	1
13	NUT	T3073-13520	1				
14	WARM GEAR	T3073-13560	1				
15	OIL PUMP ASSY	T3073-13550	1				
16	SCREW	0263-30410	2				
17	GASKET	T3073-13580	1				
18	OIL PIPE ASSY	T3073-13700	1				
19	• OIL PIPE	T3073-13710	1				
20	• FILTER	T3073-13720	1				
21	OIL TANK ASSY	848-A52-5511	1				
22	• COLLAR	T3073-13820	2				
23	• VALVE	T3073-13830	1				
24	SCREW	T3073-13860	2				
25	OIL CAP ASSY	T3073-13900	1				
26	• GASKET OIL CAP	T3073-13920	1				
27	GEAR SHAFT	T3073-13370	1				
28	BEVEL, pinion	T3073-13380	1				
29	BEARING	06000-00609	1				

12. Parts list

Fig.3 ENGINE UNIT
PSZ2500 (S/N 50100000 and up)

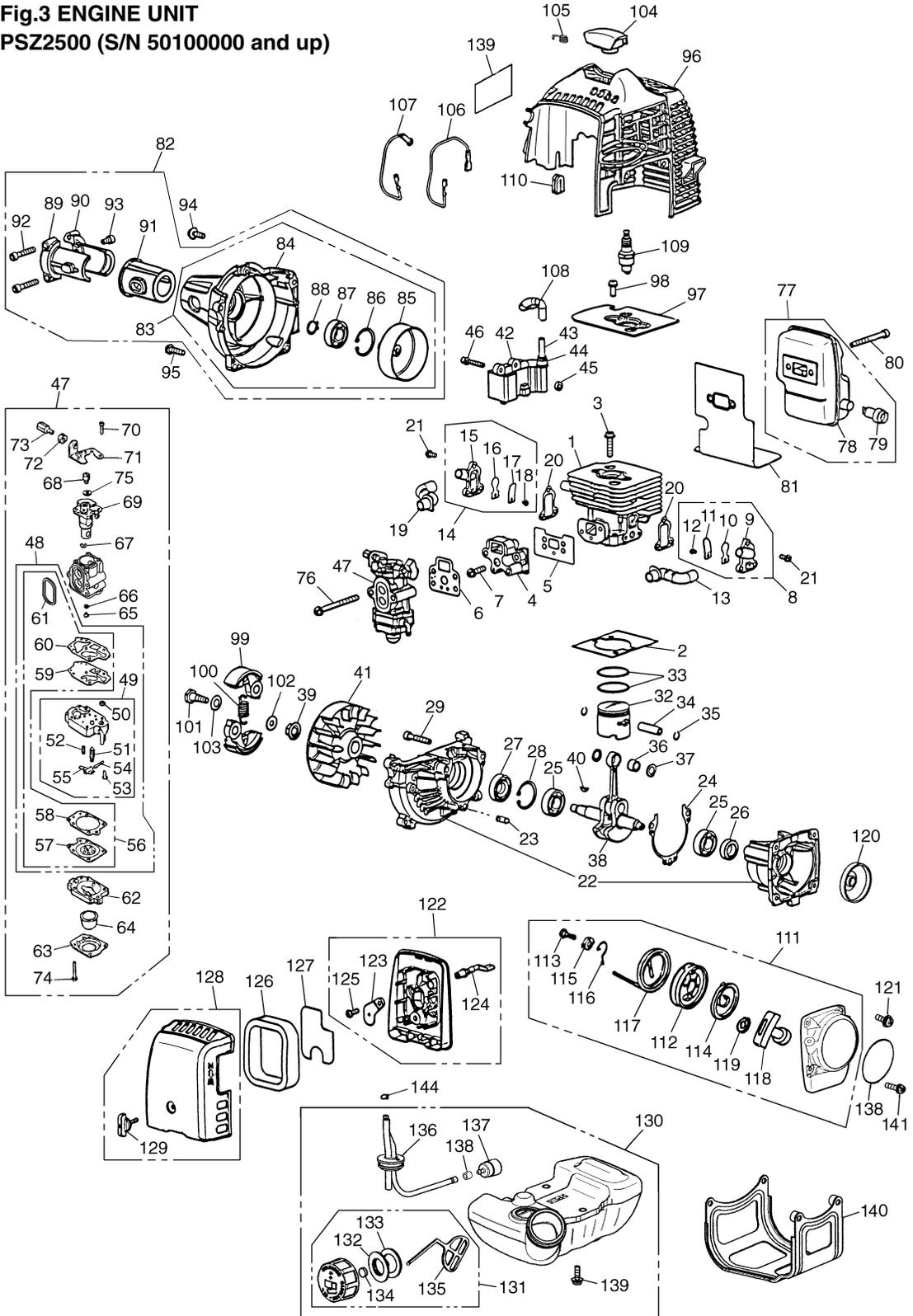


Fig.3 ENGINE UNIT PSZ2500 (S/N 5010000 and up)

Key#	Description	Part Number	Q'ty	Key#	Description	Part Number	Q'ty
1	CYLINDER	848-F30-12A2	1	74	• SCREW	1850-81530	4
2	GASKET, base	4810-12210	1	75	• WASHER	5500-81160	1
3	BOLT	1850-12130	2	76	SCREW	0263-90560	2
4	INSULATOR	4810-13162	1	77	MUFFLER ASSY	4810-15100	1
5	GASKET, insulator	4810-13120	1	78	• MUFFLER	4810-15111	1
6	GASKET, carburetor	4810-13130	1	79	• ARRESTER	4810-15140	1
7	SCREW	0263-90520	1	80	BOLT	01252-30550	2
8	REEDVALVE (S) ASSY	848-F30-1602	1	81	GASKET	T1501-15211	1
9	• VALVECASE (S)	848-F30-16A2	1	82	COVER ASSY	4810-31002	1
10	• REEDVALVE	4810-16120	1	83	• COVER COMP.	4810-31102	1
11	• STOPPER	4810-16130	1	84	•• COVER, fan	4810-31111	1
12	• SCREW	4810-16170	1	85	•• DRUM	848-F30-51A1	1
13	PIPE AIR (S)	4810-16150	1	86	•• SNAPRING	04065-02812	1
14	REEDVALVE (F) ASSY	848-F30-1612	1	87	•• BEARING	T1701-31150	1
15	• VALVECASE (F)	848-F30-16B2	1	88	•• SNAP RING	04064-01210	1
16	• REEDVALVE	4810-16120	1	89	• BRACKET (A)	6470-31211	1
17	• STOPPER	4810-16130	1	90	• BRACKET (B)	6470-31221	1
18	• SCREW	4810-16170	1	91	• CUSHION	6470-31230	1
19	PIPE AIR (F)	4810-16160	1	92	• BOLT	01252-30530	2
20	GASKET, valve	4810-16140	2	93	• BOLT	01252-30514	1
21	SCREW	4810-16180	6	94	SCREW	5500-85510	1
22	CRANKCASE COMP.	4810-21101	1	95	SCREW	0263-90520	4
23	• PIN	2629-21130	3	96	COVER, engine	4810-32111	1
24	GASKET	4810-21140	1	97	PLATE	T1501-12310	1
25	BEARING	06030-06001	2	98	SCREW	0263-90510	2
26	SEAL	4810-21210	1	99	SHOE	4820-51110	2
27	SEAL	1850-21220	1	100	SPRING	4820-51220	1
28	SNAP RING	04065-02812	1	101	SCREW	1140-51250	2
29	BOLT	01252-30530	3	102	WASHER	1140-51230	2
				103	WASHER	1140-51242	2
32	PISTON	4810-41110	1	104	CAP	4810-72111	1
33	RING	5910-41210	2	105	SPRING	1900-72120	1
34	PIN	T1513-41310	1	106	CORD	4810-71240	1
35	RING	1260-41320	2	107	CORD, earth	4810-71250	1
36	BEARING	5500-41410	1	108	TUBE	T1512-71320	1
37	WASHER	1101-41340	2	109	PLUG	4810-73110	1
38	CRANKSHAFT COMP.	4810-42000	1	110	GROMMET	4810-72120	1
39	NUT	1650-43230	1	111	RECOIL ASSY	4810-75100	1
40	KEY	1000-43240	1	112	• REEL	4500-75120	1
41	ROTOR	4810-71110	1	113	• SCREW	4500-75150	1
42	COIL ASSY	T1512-71200	1	114	• SPRING, spiral	1850-75130	1
43	• CORD	T1512-71220	1	115	• COLLAR	4500-75180	1
44	• CAP	2616-71320	1	116	• ARM	4500-75190	1
45	SPACER	1260-71261	2	117	• ROPE	4810-75160	1
46	BOLT	4500-72150	2	118	• KNOB	3330-75421	1
47	CARBURETOR ASSY	848-F30-8103	1	119	• PLATE, stopper	4810-75170	1
48	• REBUILD KIT	T1551-06030	1	120	PULLEY	4500-75210	1
49	•• BODY ASSY	T1551-81450	1	121	SCREW	5500-85510	2
50	••• SCREEN	_____	—	122	BODY ASSY	4810-82100	1
51	••• VALVE	_____	—	123	• PLATE, choke	4810-82130	1
52	••• SPRING	_____	—	124	• LEVER, choke	5500-82140	1
53	••• SCREW	_____	—	125	• SCREW	2630-33610	1
54	••• PIN	_____	—	126	ELEMENT	4810-82170	1
55	••• LEVER	_____	—	127	SCREEN	4810-82180	1
56	•• GASKET KIT	4810-06021	1	128	COVER ASSY	4810-82200	1
57	••• DIAPHRAGM	_____	—	129	• KNOB	5500-82221	1
58	••• GASKET, diaphragm	_____	—	130	TANK ASSY	T1504-85002	1
59	••• DIAPHRAGM, pump	_____	—	131	• CAP ASSY	T1015-85202	1
60	••• GASKET, pump	_____	—	132	•• HOLDER ASSY	4500-85300	1
61	••• RING	4810-81130	1	133	•• PACKING	4500-85220	1
62	• BODY, purge	1850-81490	1	134	•• FILTER	5601-85260	1
63	• COVER, pump	1850-81520	1	135	•• STOPPER	4820-85260	1
64	• PUMP, priming	1751-81510	1	136	• PIPE COMP.	4810-85300	1
65	• JET	T1505-81250	1	137	• FLTER ASSY	3302-85400	1
66	• O-RING	1751-81240	1	138	COLLAR	2841-31280	1
67	• RING	1751-81130	1	139	SCREW	5500-85510	3
68	• SWIVEL	1881-81140	1	140	LABEL, recoil	_____	—
69	• VALVE ASSY	_____	—	141	LABEL, cover	4810-31132	1
70	• SCREW	1752-81110	2	142	GUARD	T1506-31910	1
71	• BRACKET	5500-81120	1	143	SCREW	0263-90525	2
72	• NUT, adjuster	1751-81180	1	144	CLIP	1950-86120	1
73	• SCREW, adjuster	1918-81170	1				

RedMax LIMITED WARRANTY

EMISSION-RELATED PARTS, FOR TWO (2) YEARS FROM THE DATE OF ORIGINAL DELIVERY OF THE UNIT, KOMATSU ZENOAH AMERICA INC. (THE COMPANY), THROUGH ANY RedMax DEALER, WILL REPAIR OR REPLACE, FREE OF CHARGE, FOR THE ORIGINAL AND EACH SUBSEQUENT PURCHASER, ANY PART OR PARTS FOUND TO BE DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP. EMISSION-RELATED PARTS ARE:

**THE CARBURETOR ASSY, COIL ASSY, ROTOR, SPARKPLUG,
AIR FILTER, FUEL FILTER, INTAKE MANIFOLD, AND THE GASKETS**

ALL OTHER PARTS EXCEPT ABOVE PARTS, FOR TWO (2) YEARS OF USE, 90 DAYS FOR RENTAL USE, FROM THE DATE OF ORIGINAL PURCHASE, THE COMPANY, THROUGH ANY RedMax DEALER, WILL REPAIR OR REPLACE, FREE OF CHARGE, FOR THE ORIGINAL PURCHASER, ANY PART OF PARTS FOUND TO BE DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP. **THIS IS THE EXCLUSIVE REMEDY.**

THE PURCHASER SHALL BEAR COSTS OF TRANSPORTING THE UNIT TO AND FROM THE RedMax DEALER.

THE PURCHASER SHALL NOT BE CHARGED FOR DIAGNOSTIC LABOR WHICH LEADS TO THE DETERMINATION THAT A WARRANTED PART IS DEFECTIVE, IF THE DIAGNOSTIC WORK IS PERFORMED AT THE RedMax DEALER.

THE PURCHASER OR OWNER IS RESPONSIBLE FOR THE PERFORMANCE OF THE REQUIRED MAINTENANCE AS DEFINED BY THE MANUFACTURER IN THE OWNER/OPERATOR MANUAL.

ANY WARRANTED PART WHICH IS NOT SCHEDULED FOR REPLACEMENT AS REQUIRED MAINTENANCE, OR WHICH IS SCHEDULED ONLY FOR REGULAR INSPECTION TO THE EFFECT OF "REPAIR OR REPLACE AS NECESSARY" SHALL BE WARRANTED FOR THE WARRANTY PERIOD. ANY WARRANTED PART WHICH IS SCHEDULED FOR REPLACEMENT AS REQUIRED MAINTENANCE SHALL BE WARRANTED FOR THE PERIOD OF TIME UP TO THE FIRST SCHEDULED REPLACEMENT POINT FOR THE PART.

ANY REPLACEMENT PART THAT IS EQUIVALENT IN PERFORMANCE AND DURABILITY MAY BE USED IN NON-WARRANTY MAINTENANCE OR REPAIRS, AND SHALL NOT REDUCE THE WARRANTY OBLIGATION OF THE COMPANY.

THE COMPANY IS LIABLE FOR DAMAGES TO OTHER ENGINE COMPONENTS CAUSED BY THE FAILURE OF A WARRANTED PARTS STILL UNDER WARRANTY.

THE WARRANTY DOES NOT APPLY TO THOSE UNITS WHICH HAVE BEEN DAMAGED BY NEGLIGENCE OF INSTRUCTION LISTED IN THE OWNER/OPERATOR MANUAL FOR PROPER USE AND MAINTENANCE OF THE UNITS, ACCIDENTAL MISHANDLING, ALTERATION, ABUSE, IMPROPER LUBRICATION, USE OF ANY PARTS OR ACCESSORIES OTHER THAN THOSE SPECIFIED BY THE COMPANY, OR OTHER CAUSES BEYOND THE COMPANY'S CONTROL.

THIS WARRANTY DOES NOT COVER THOSE PARTS REPLACED BY NORMAL WEAR OR HARMLESS CHANGES IN THEIR APPEARANCE.

THERE ARE NO OTHER EXPRESS WARRANTIES.

IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE **ARE LIMITED** TO TWO (2) YEARS OF USE FROM THE ORIGINAL DELIVERY DATE.

LIABILITIES FOR INCIDENTAL OR CONSEQUENTIAL DAMAGE UNDER ANY AND ALL WARRANTIES ARE EXCLUDED.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

IF YOU NEED TO OBTAIN INFORMATION ABOUT THE NEAREST SERVICE CENTER, PLEASE CALL KOMATSU ZENOAH AMERICA INC. AT (770)-381-5147.

IMPORTANT: YOU WILL RECEIVE A WARRANTY REGISTRATION CARD AT TIME OF PURCHASE. PLEASE FILL OUT THE CARD AND SEND IT TO RedMax / KOMATSU ZENOAH AMERICA WITHIN SEVEN (7) DAYS. BE SURE TO KEEP A COPY FOR YOUR RECORDS.



KOMATSU ZENOAH AMERICA INC.
4344 Shackelford Road Suite 500
Norcross, Georgia 30093

RedMax Garantie limitée

Pièces en rapport avec les émissions de gaz d'échappement : KOMATSU ZENOAH AMERICA INC., par l'intermédiaire de n'importe quel revendeur RedMax, réparera gratuitement ou remplacera gratuitement pour l'acheteur initial et chaque acheteur successif toute(s) pièce(s) se révélant de constitution et/ou de montage défectueux pendant deux (2) ans à compter de la date initiale de livraison d'une unité. Les pièces en rapport avec les émissions de gaz d'échappement sont:

**l'assemblage carburateur, l'assemblage bobine, le rotor, la bougie,
le filtre à air, le filtre à carburant, la tubulure d'admission et les joints**

Toutes les pièces autres que celles mentionnées ci-dessus, deux (2) ans d'utilisation, 90 jours pour la location, à compter de la date d'achat initial. La société, par l'intermédiaire d'un distributeur RedMax, réparera ou remplacera toute(s) pièce(s), sans frais et au bénéfice de l'acheteur original, en prenant en charge les frais de pièces et/ou de main d'œuvre. **Telles sont les limites de la garantie.**

Le coût du transport de l'unité jusqu'au revendeur RedMax et depuis celui-ci sera à la charge de l'acheteur.

L'acheteur ne supportera pas le coût de main d'œuvre du diagnostic qui amène à la conclusion qu'une pièce garantie est défectueuse, si ce diagnostic est effectué chez le revendeur RedMax.

L'acheteur ou propriétaire a pour responsabilité d'effectuer l'entretien obligatoire tel que défini par le fabricant dans le manuel du propriétaire/de l'utilisateur.

Toute pièce garantie dont le remplacement n'est pas prévu dans le cadre de l'entretien obligatoire, ou pour laquelle est seulement prévue une inspection périodique pour "remplacement ou réparation si nécessaire" sera garantie pour la période de garantie. Toute pièce garantie arrivée à l'échéance de son premier remplacement prévu sera garantie jusqu'à celui-ci.

Toute pièce de rechange équivalente en performance ou en durabilité peut être utilisée pour l'entretien hors-garantie ou les réparations hors-garantie, et ce sans réduire l'obligation de garantie incombant à la société.

La société sera tenue responsable des dommages aux autres composants du moteur causés par la défaillance de pièce(s) garantie(s) en période de garantie.

La garantie ne s'applique pas aux unités endommagées par suite de: négligence dans la mise en oeuvre des instructions spécifiées dans le manuel du propriétaire/de l'utilisateur en vue d'une utilisation et d'un entretien correct, fausse manœuvre accidentelle, modification, utilisation abusive, lubrification incorrecte, utilisation de pièces ou d'accessoires autres que ceux spécifiés par la société, ou autres causes hors du contrôle de la société.

Cette garantie ne couvre pas les pièces remplacées en raison de leur usure normale ou de changements d'apparence sans effets.

Il n'existe aucune autre garantie explicite.

Les garanties implicites, y compris la valeur marchande et la valeur d'usage pour une utilisation particulière, **sont limitées** à deux (2) ans d'utilisation à compter de la date originale de livraison.

Les responsabilités pour les dommages conséquents ou incidents sont exclues de toutes les garanties.

Certaines provinces n'autorisant pas les limitations à la durée des garanties implicites, ou les exclusions ou limitations relatives aux dommages incidents ou conséquents, la limitation indiquée ci-dessus peut ne pas vous être applicable.

Cette garantie vous donne des droits juridiques spécifiques, et vous pouvez également jouir d'autres droits variant d'une province à l'autre.

Si vous désirez obtenir des informations sur le centre de service le plus proche, veuillez appeler KOMATSU ZENOAH AMERICA INC. au (770)-381-5147

Note importante: vous recevrez une carte d'enregistrement de garantie au moment de l'achat. Veuillez la remplir et l'adresser à RedMax / KOMATSU ZENOAH AMERICA sous sept (7) jours en prenant soin de conserver une copie pour vous.



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