WSM

WORKSHOP MANUAL
BRUSH CUTTER

DM262-S, DM262-W,
DH264-S, DH264-W,
DM332-S, DM332-W

Kubota

KiSC issued 03, 2014 A

TO THE READER

This Workshop Manual tells the servicing personnel about the mechanism, servicing and maintenance of Kubota Brush Cutters model DM262-S, DM262-W, DH264-S, DH264-W and DM332-S, DM332-W. It contains 3 parts: **"Information"** and **"Maintenance and servicing"** and **"Engine"**.

■ **Information**

This section primarily contains information below.

- Safety First
- Safety Operation
- Safety Decal
- Specifications

■ **Maintenance and servicing**

This section primarily contains information below.

- Identification
- General Precautions
- Check List
- Check and Maintenance
- Disassembling and assembling

■ **Engine**

This section primarily contains information about Mitubishi Meiki engine for DM262-S, DM262-W and DM332-S, DM332-W.

- General description
- Handling engine
- Service data
- Inspection and adjustment procedure
- Overhaul, disassembly and assembly

All illustrations, photographs and specifications contained in this manual are of the newest information available at the time of publication.

KUBOTA reserves the right to change all information at any time without notice.

Since this manual includes many models, information or illustrations and photographs can show more than one model.

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I INFORMATION

INFORMATION

CONTENTS

1. SAFETY FIRST

⚠ SAFETY FIRST

- **This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully.**
- **It is essential that you read the instructions and safety regulations before you try to repair or use this unit.**

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

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

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

■ IMPORTANT
- **Indicates that equipment or property damage could result if instructions are not followed.**

■ NOTE
- **Gives helpful information.**

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[1] SAFETY SERVICING AND REPAIRING

1. Before working on the machine:
   - Stop the engine, and remove the spark plug cap.
   - Clean the work area and machine.
2. Do not work on the machine while under the influence of alcohol, medication, or other substances or while fatigued.
3. Do not wear a necktie, scarf, necklace, loose or bulky clothing when you work near machine tools or moving parts.
4. Use tools appropriate to the work. Makeshift tools, parts, and procedures will not make good repairs.
5. When servicing is performed together by two or more persons, take care to perform all work safety.
6. If the engine must be running to do same work, make sure the area is well ventilated. Never run the engine in a closed area. The exhaust gas contains poisonous carbon monoxide.
7. Do not touch the rotating or hot parts and high voltage cord while the engine is running.
8. Fuel is extremely flammable and explosive under certain conditions. Do not smoke or allow flames or sparks in your working area.
9. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.
10. Do not after or remove any part of machine safety system.
11. Keep a first aid kit and fire extinguisher handy at all times.

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[2] SAFETY OPERATION

(1) Before Operation

1. Read the "OPERATOR'S MANUAL" carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
2. There is a great risk of eye loss from thrown objects. Always wear proper eye protection in accordance with ANSI Standard Z87. 1.
   - Dress in long pants and wear boots or safety shoes. Wear leg guards when cutting large or thorny material.
   - Do not wear open-toed shoes or go barefoot or barelegged. Do not wear loose or dangling clothing, neckties, scarfs, or jewelry which could be caught in the unit or the underbrush.
3. Do not operate the machine while under the influence of alcohol, medication, or other substances or while fatigued.
4. Never allow children or inadequately trained persons to operate the machine. Keep everyone, especially children and pets, away from the area of operation.
5. Thoroughly inspect the area where the machine is to be used. Removed all sticks, stones, bottles, cans, wires, etc.
6. Remove all debris (string, wire or cords) which might wrap around blade shafts.
7. Keep all shields and safety devices in place. If a shield, safety device or decal is missing, defective or damaged, repair or replace it before operating.
8. Fuel is very flammable. Handle fuel carefully.
   - Use a properly and approved safety container.
   - Refuel the machine outdoors.
   - Shut off engine and allow it to cool before refueling.
   - Do not refuel while smoking or when near open flame or sparks.
   - Do not overflow fuel while filling fuel tank.
   - Install the fuel tank cap securely, and clean up any spilled fuel before starting the engine.
9. Do not cut with dull, cracked or damaged metal blade.

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(2) OPERATION

1. Operate the machine only in daylight or in good artificial light.
2. Do not run the engine in a closed area without adequate ventilation.
3. Before starting the engine, make sure that all shift levers are in neutral positions or in disengaged positions.
4. Be alert when operating. To prevent loss of control:
   - Watch for holes in the terrain or other hidden hazards.
5. Do not discharge clippings toward people or object.
6. Do not put hands or feet near or under blade.
7. To reduce fire hazards, keep the engine exhaust area free of grass or leaves.
8. Disengage power to the blades before crossing gravel drives, walks, or roads.
9. If the machine should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
10. After striking a foreign object, stop the engine immediately and thoroughly inspect the machine for any damage. Repair damage before restarting and operating the machine.
11. Before leaving the operator's position:
    - All shift levers are in neutral positions or in disengaged positions.
    - Shut off engine.
12. Keep people out of the danger zone. This is a circle 15 meters (49.2 feet) in radius around the unit and operator.
13. If necessary to cut where people or cars could be hit by thrown objects, cut at reduced (slow) throttle speed to reduce the speed of cutting head.

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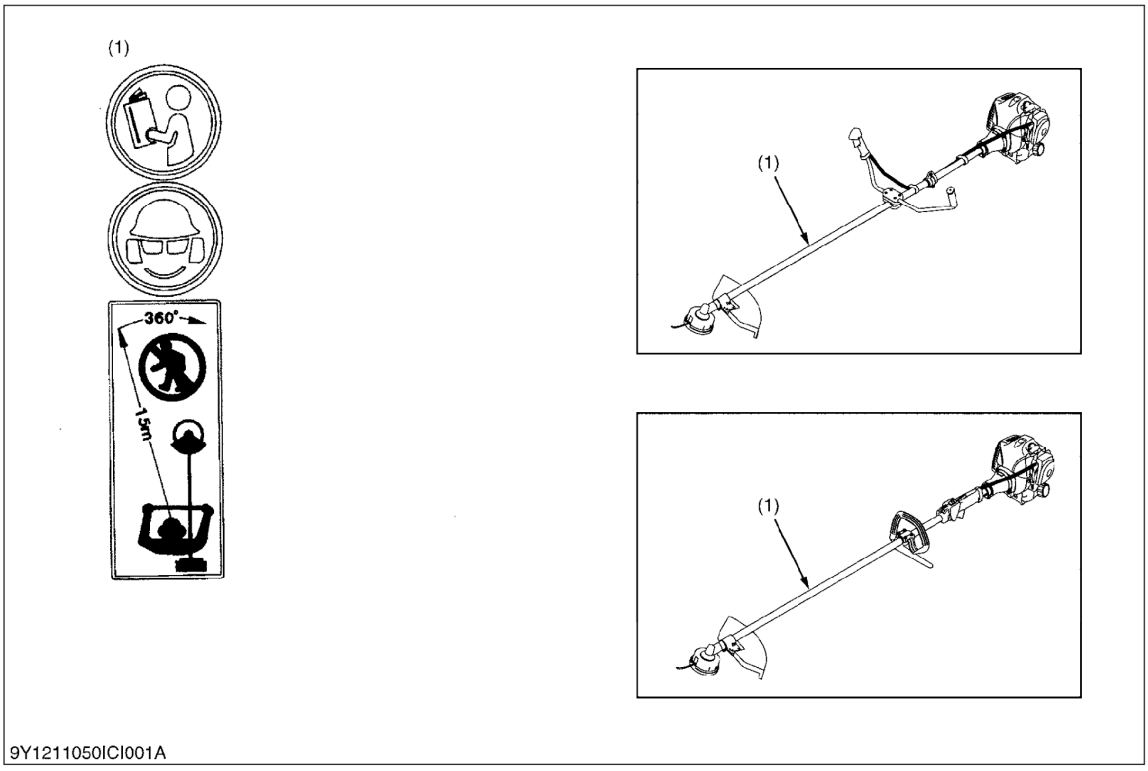
2. SAFETY DECALS

- The following safety decals are installed on the machine.
  If a decal becomes damaged, illegible or is not on the machine, replace it.



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3. SPECIFICATIONS

DH264-S, DH264-W

Model		DH264-S	DH264-W
Drive system		Auto centrifugal clutch, spiral bevelgear	
Reduction ratio		13 : 19	
Rated blade speed		4800 rpm	
Standard blades		Metal blade : 230 x 1.4 mm / 10000 rpm maxi. (9.1 x 0.06 in.)	
Size (L x W x H)		1795 x 350 x 310 mm (70.7 x 13.8 x 12.2 in.)	1795 x 620 x 440 mm (70.7 x 24.4 x 17.3 in.)
Applicable engine		GX25	
Handle type		Loop handle	Double handle
Vibration levels (ISO 7916)	Idle speed	Front: 2.4 m/s^2 Rear: 1.2 m/s^2	Left: 5.7 m/s^2 Right: 2.4 m/s^2
	Max. RPM	Front: 3.8 m/s^2 Rear: 4.2 m/s^2	Left: 4.3 m/s^2 Right: 3.3 m/s^2
Noise levels (ISO 7917 sound pressure level)	Nylon line feeder	91 dB(A)av	
	Metal blade	90 dB(A)av	
Measured sound power level (ISO 10884)	Nylon line feeder	101 dB(A)av	
	Metal blade	99 dB(A)av	
Displacement		25.0 cm^3 (1.5 in^3)	
Idling speed		3000 rpm	
Max. output		0.72 kW / 7000 rpm (0.97 hp / 7000 rpm)	
Weight		5.6 kg (12 lbs)	5.9 kg (13 lbs)
Fuel tank capacity		0.58 L (0.51 Imp.qts)	
Fuel		Unleaded gasoline for automobile	

The company reserves the right to change the specifications without notice.

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DM262-S, DM262-W

Model		DM262-S	DM262-W
Drive system		Auto centrifugal clutch, spiral bevelgear	
Reduction ratio		13 : 19	
Rated blade speed		5100 rpm	
Standard blades		Metal blade : 230 x 1.4 mm / 10000 rpm maxi. (9.1 x 0.06 in.)	
Size (L x W x H)		1765 x 350 x 310 mm (69.5 x 13.8 x 12.2 in.)	1765 x 620 x 440 mm (69.5 x 24.4 x 17.3 in.)
Applicable engine		TU26	
Handle type		Loop handle	Double handle
Vibration levels (ISO 7916)	Idle speed	Front: 5.0 m/s^2 Rear: 2.9 m/s^2	Left: 3.9 m/s^2 Right: 7.8 m/s^2
	Max. RPM	Front: 3.3 m/s^2 Rear: 3.8 m/s^2	Left: 2.5 m/s^2 Right: 6.1 m/s^2
Noise levels (ISO 7917 sound pressure level)	Nylon line feeder	89 dB(A)av	
	Metal blade	85 dB(A)av	
Measured sound power level (ISO 10884)	Nylon line feeder	101 dB(A)av	
	Metal blade	96 dB(A)av	
Displacement		25.6 cm^3 (1.56 in^3)	
Idling speed		3000 rpm	
Max. output		0.67 kW / 7500 rpm (0.9 hp / 7500 rpm)	
Weight		5.2 kg (11 lbs)	5.5 kg (12 lbs)
Fuel tank capacity		0.6 L (0.53 Imp.qts)	
Fuel mixture (Petrol(Gasoline): Two-stroke engine oil)		50 : 1	

The company reserves the right to change the specifications without notice.

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DM332-S, DM332-W

Model		DM332-S	DM332-W
Drive system		Auto centrifugal clutch, spiral bevelgear	
Reduction ratio		14 : 19	
Rated blade speed		5500 rpm	
Standard blades		Metal blade : 255 x 1.4 mm / 10000 rpm maxi. (10.0 x 0.06 in.)	
Size (L x W x H)		1820 x 340 x 245 mm (71.7 x 13.4 x 9.7 in.)	1820 x 630 x 470 mm (71.7 x 24.8 x 18.5 in.)
Applicable engine		TU33	
Handle type		Loop handle	Double handle
Vibration levels (ISO 7916)	Idle speed	Front: 3.6 m/s^2 Rear: 4.2 m/s^2	Left: 4.8 m/s^2 Right: 4.2 m/s^2
	Max. RPM	Front: 4.5 m/s^2 Rear: 5.2 m/s^2	Left: 6.3 m/s^2 Right: 4.6 m/s^2
Noise levels (ISO 7917 sound pressure level)	Nylon line feeder	96 dB(A)av	
	Metal blade	94 dB(A)av	
Measured sound power level (ISO 10884)	Nylon line feeder	103 dB(A)av	
	Metal blade	100 dB(A)av	
Displacement		32.6 cm^3 (2.0 in^3)	
Idling speed		3000 rpm	
Max. output		0.97 kW / 7500 rpm (1.3 hp / 7500 rpm)	
Weight		6.7 kg (15 lbs)	7.0 kg (20 lbs)
Fuel tank capacity		0.8 L (0.70 lmp.qts)	
Fuel mixture (Petrol(Gasoline): Two-stroke engine oil)		50 : 1	

The company reserves the right to change the specifications without notice.

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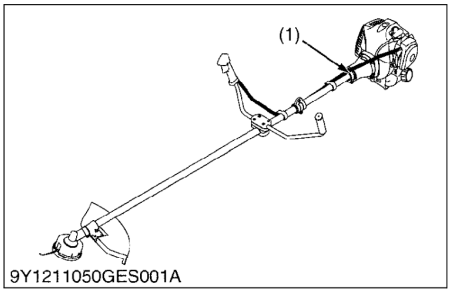
G GENERAL

GENERAL

CONTENTS

1. IDENTIFICATION



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When contacting your local KUBOTA distributor, always specify engine serial number.

(1) Brush Cutter Serial Number

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2. GENERAL SAFETY

- Stop the engine and remove the spark plug cap before servicing the mower.
- If the mower must be running, make sure the area is well ventilated. Never run the engine in a closed area.
- The exhaust gas contains poisonous carbon monoxide.
- Gasoline is extremely flammable and is explosive under certain conditions. Do not smoke or allow flames or sparks in your working area.
- Keep away from rotating or hot parts and high voltage cords when the engine is run with its cover removed.

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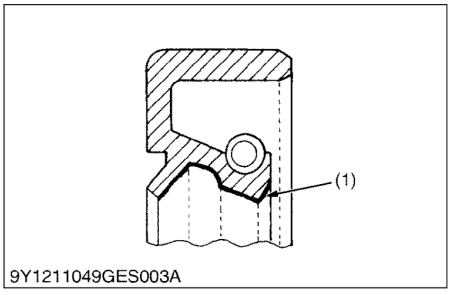
3. GENERAL PRECAUTION



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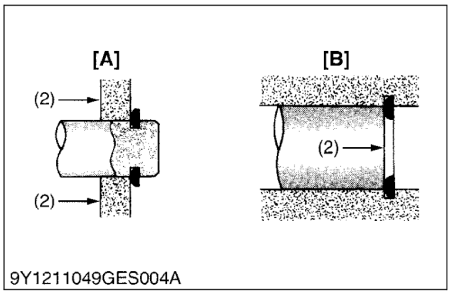

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- Do not operate or idle the engine in a non-ventilated area.
- When inspecting or servicing the engine, wait for the engine to cool before performing any operations.
- During disassembly, carefully arrange removed parts in a clean area to prevent later confusion. Screws, bolts and nuts should be replaced in their original positions to prevent reassembly errors.
- When special tools are required, use genuine KUBOTA tools. Special tools which are not used frequently should be made according to the drawings provided.
- Clean parts before measuring them.
- Use only genuine KUBOTA parts for parts replacement to maintain engine performance and to assure safety.
- Gaskets and O-rings must be replaced during reassembly. Apply grease to new O-rings or oil seals before reassembling. (See the left figure)
- When reassembling external snap rings, they must be positioned with the sharp edge facing against the direction from which a force is applied. (See the left figure)
- Use detergents for industrial parts to clean the engine parts.

(1) Grease
(2) Force

[A] External Snap Ring
[B] Internal Snap Ring

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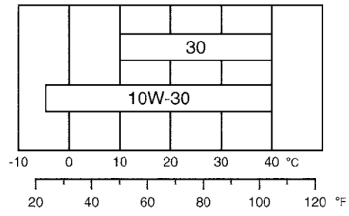
4. LUBRICANTS AND FUEL

Place	Model	Capacity	Remarks
Engine crankcase	DH264-S DH264-W	0.08 L (0.07 Imp.qts.)	API type, SJ, SL or equivalent  9Y1211050GES002US
Fuel tank	DH264-S DH264-W	0.58 L (0.51 Imp.qts.)	Unleaded gasoline for automobiles
	DM262-S DM262-W	0.6 L (0.53 Imp.qts.)	Mixture of Unleaded regular gasoline and 2 stroke engine oil. Mixture ratio: 50 (gasoline): 1 (2 stroke engine oil)
	DM332-S DM332-W	0.8 L (0.70 Imp.qts.)	
Gear housing	DH264-S DH264-W DM262-S DM262-W	10 g	Grease (lithium grease No.2 or equivalent)
	DM332-S DM332-W	15 g	

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5. TIGHTENING TORQUES

[1] GENERAL USE SCREWS, BOLTS AND NUTS

When the tightening torques are not specified, tighten the screw, bolts and nuts according to the table below.

Nominal Diameter	Unit		
	N·m	kgf·m	lbf·ft
M4	2.0 to 2.9	0.2 to 0.3	1.4 to 2.2
M5	2.9 to 3.9	0.3 to 0.4	2.2 to 2.9
M6	4.4 to 9.8	0.45 to 0.8	3.3 to 5.8

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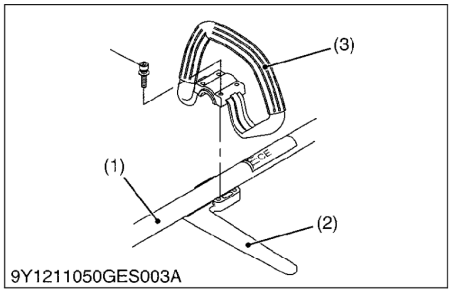
6. INSTALLATION



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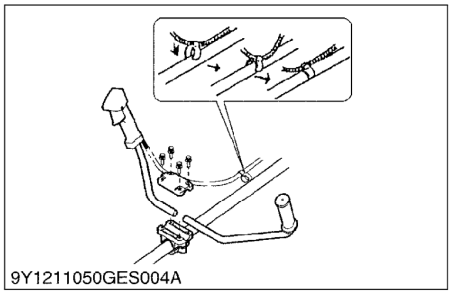
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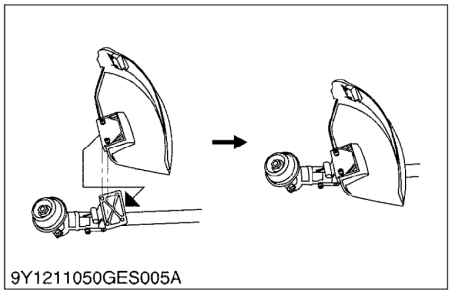
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Handle

S type

1. Select a handle position along the shaft (1) at a height best suitable for the operator. Then, fix the handle bracket (2) to the handle (3) from underneath the shaft (1) with the 4 bolts, as shown in the drawing on the left.

(1) Shaft
(2) Handle Bracket
(3) Handle

W type

1. Insert the handle into the handle joint and fix it securely using 4 bolts.

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Cutting Attachment Guard

Insert the cutting attachment guard to the holder and fix it by the bolts.

■ **NOTE**

- **For your own safety, be sure to keep the cutting attachment guard attached during operation.**

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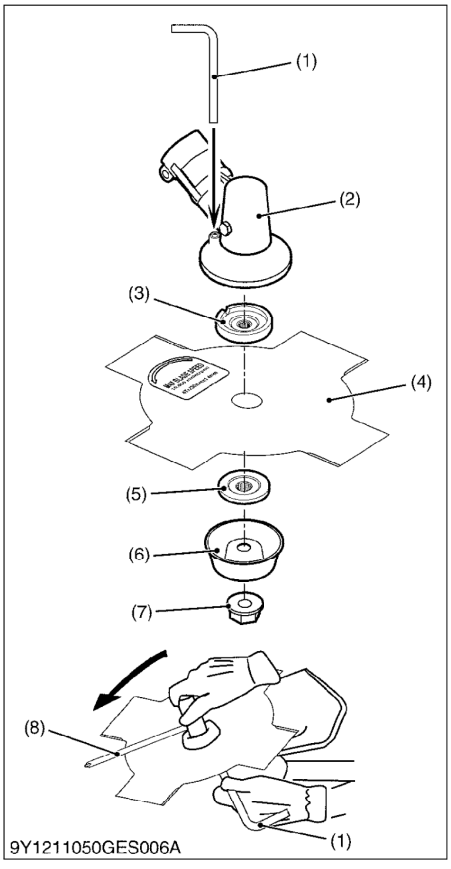

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Cutting Tools

Cutting blade

WARNING

- **For safety, stop the engine and then attach or detach the cutting tool.**

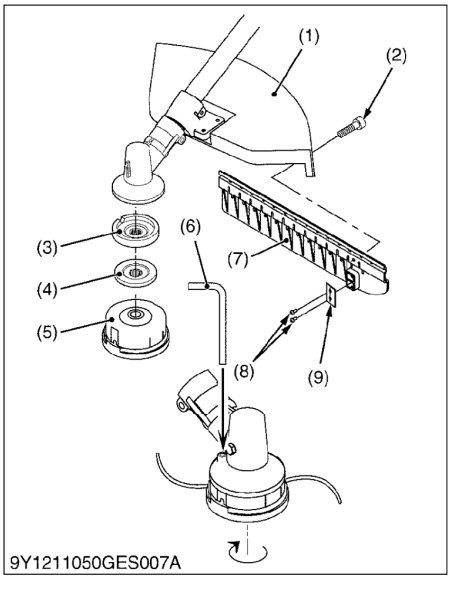
CAUTION

- **Blade is sharp, please handle carefully to prevent injury.**

1. Attach parts in the following order: cover C.P. (3), blade (4), holder B (5), guard (6), and saw lock nut (7).
2. In order to lock the rotation of the spline shaft, align holes of angle transmission (2), and cover C.P. (3) and insert bar wrench (1).
3. Rotate saw lock nut (7) with plug box wrench (8) in counterclockwise direction until securely tightened.

Tightening torque	Saw Lock Nut	DM262-S DM262-W DH264-S DH264-W	14.7 to 19.6 N·m 1.5 to 2.0 kgf·m 10.8 to 14.4 lbf·ft
		DM332-S DM332-W	24.5 to 29.4 N·m 2.5 to 3.0 kgf·m 18.0 to 21.6 lbf·ft

(1) Bar Wrench
(2) Transmission
(3) Cover C.P.
(4) Blade
(5) Holder B
(6) Guard
(7) Saw Lock Nut
(8) Plug Box Wrench



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Nylon Cutter

CAUTION

- **The nylon cord cutter (9) is a cutting blade. Please handle carefully to prevent injury.**

1. In case of attaching the nylon cutter (5), put parts in place in the following order: cover C.P. (3), holder B (4), and nylon cutter (5).
2. As in the case of attaching the blade, insert bar wrench (6) to lock the rotation of the spline shaft.
3. Rotate nylon cutter (5) in counterclockwise direction unit securely tightened.

■ **NOTE**

- **When using the nylon cutter (5), insert the guard (7) into the cutting attachment guard (1) and mount the nylon cord cutter (9) on the guard (7) with the two bolts (8).**
- **When using the blade, unfasten bolt (2) and slide guard (7) to remove it.**

(1) Attachment Guard
(2) Bolt
(3) Cover C.P.
(4) Holder B
(5) Nylon Cutter
(6) Bar Wrench
(7) Guard
(8) Nylon Cord Cutter
(9) Bolt

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1 MAINTENANCE

SERVICING

CONTENTS

1. INSPECTION AND ADJUSTMENT

[1] MAINTENANCE CHECK LIST

Inspection item		Inspection time	Reference page
Complete unit	Visual inspection (condition, leaks)	before starting work, after each refueling stop	–
	Clean	after finishing work or daily	
Cutting tool	Visual inspection (condition)	before starting work, after each refueling stop	–
	Replace	if damaged	G-7
	Resharpen steel cutting tool	before starting work, as required	1-S2
	Check tightness of cutting tool	before starting work, after finishing work or daily	–
Throttle trigger Engine switch Throttle lock	Check operation	before starting work, after each refueling stop	–
Angle transmission bolt	Retighten	before starting work	–
Cutting attachment guard	Visual inspection (condition)	before starting work	G-6
All accessible bolts and nuts (expect adjusting screw)	Retighten	before starting work, as required	–
Shaft tube	Visual inspection (condition, leaks)	before starting work, after finishing work or daily	–
Angle transmission	Clean	after finishing work or daily	1-S2
Angle transmission lubrication	Check	before starting work	–
	Replenish *	every 20 hours	1-S2
Clutch drum	Clean	every 100 hours	–
Cooling air inlets	Visual inspection (condition)	after finishing work or daily	–
	Clean	after finishing work or daily, every 100 hours	
Filter in fuel tank	Clean	if faulty	1-S3
	Replace element	every 100 hours, if faulty, if damaged	
Fuel tank	Clean	monthly	–
Air filter	Clean	before starting work, every 20 hours, if faulty	1-S3
	Replace	if damaged	
Cylinder fins	Clean	every 100 hours	–
Muffler inlet and outlet	Clean	if faulty	–
Carburetor	Check idle adjustment (cutting tool must not turn)	before starting work, after each refueling stop	1-S2
	Readjust idle	as required	
Spark plug	Readjust electrode gap (0.6 to 0.7 mm)	if faulty	1-S3
	Replace	if damaged	
Engine crank case oil **[DH264-S. DH264-H]**	Check	before starting work	1-S3
	Change	every 50 hours	1-S4

* For grease, use lithium type grease No.2 or equivalent.

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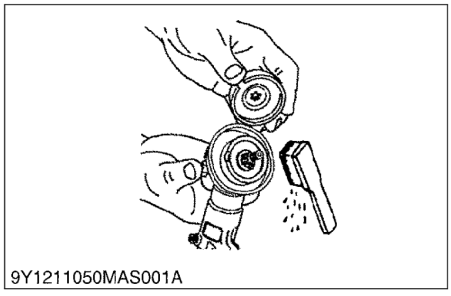
[2] CHECK AND MAINTENANCE

(1) Check Points of Each Use or Daily



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Angle Transmission

1. After the work is finished, remove cover C.P. (2), and take off scraps and grass inside it and wipe it off cleanly.
   Also wipe the angle transmission and the shaft tube.

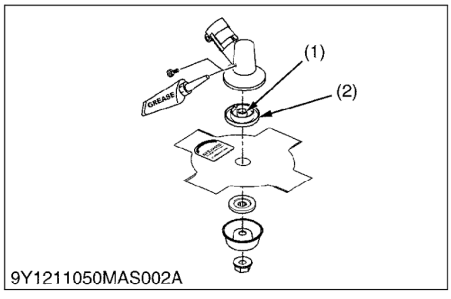
■ **NOTE**

- **The angle transmission is hot just after the engine is stopped. Perform maintenance when it has cooled.**

2. When supplying grease to angle transmission, pull off spline sleeve (1) to push out old grease.

■ **NOTE**

- **For grease, use lithium type grease No.2 or equivalent.**



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(1) Spline Sleeve (2) Cover C.P.

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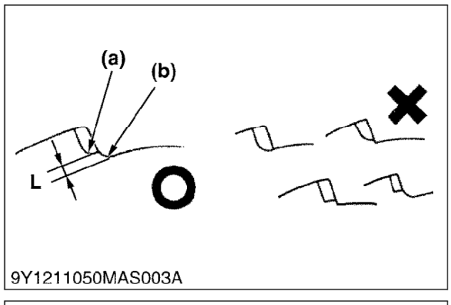

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Rotary Blade

1. Base of the blade should be rounded shape. (3,4 and 8 blades cutter)
2. Make each blades as rounded shape same as figure shown.

(a) R 2 to 3 mm **L: 1 to 2 mm**
(b) R 3 to 4 mm

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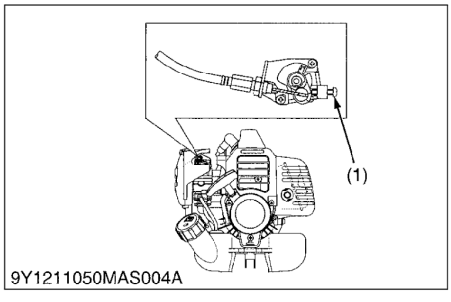

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Engine Idle Speed

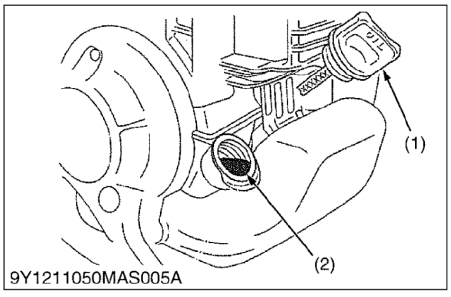
1. Adjust engine idle speed as engine does not stop and blade dose not rotate when engine runs idle speed.
2. Adjust the low RPM with the idle speed screw.
   * Right turns: RPM increases.
   * Left turns: RPM decrease.

CAUTION

- **The adjustment of the carburetor is usually not necessary, since it is adjusted at the optimum position when delivered from the factory. If the fuel mixture is adjusted extremely lean, it may cause the seizure of engine.**

(1) Idle Speed Screw

9Y1211050MAS0004US0



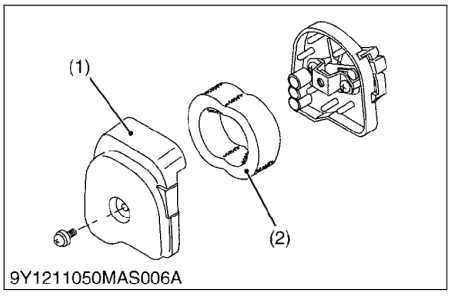
Engine Oil (DH264-S, DH264-W)

1. Remove the oil filter cap/dipstick (1) and wipe it clean.
2. Insert the oil filter cap/dipstick (1) without screwing it into the oil filter neck, then remove it to check the oil level shown on the dipstick.
3. If the oil level is near or below the lower limit mark on the dipstick, fill to the bottom edge of the oil fill hole (2) with the recommended oil.

(1) Oil Filter Cap/Dipstick (2) Oil Fill Hole (Bottom Edge)

9Y1211050MAS0005US0

(2) Maintenance of Every 20 Hours



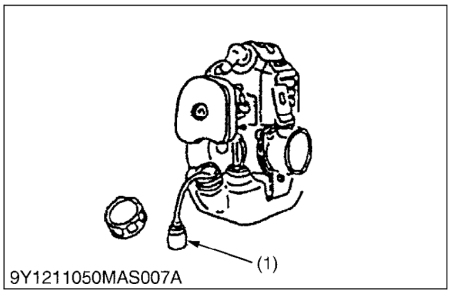
Cleaning of Air Filter

1. Open the air filter cover (1). (Screw may be used depending on the specifications.)
2. Remove the air filter element (2) and check for deterioration. Replace it if necessary.
3. Wash the air filter element (2) with kerosene, put it in the engine oil and squeeze it by one hand.
4. Replace it in the air filter case, and assemble the air filter cover.

(1) Air Filter Cover (2) Air Filter Element

9Y1211050MAS0006US0

(3) Maintenance of Every 50 Hours

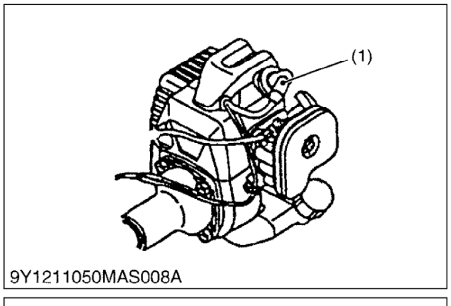


Cleaning of Fuel Filter

1. Pull out the filter (1) with a steel wire, etc. from the fuel filter port.
2. Clean it well with gasoline. If the dirt is extreme, replace the fuel filter (1) and clean the fuel tank as well.

(1) Fuel Filter

9Y1211050MAS0007US0



Cleaning and Adjusting of Spark Plug

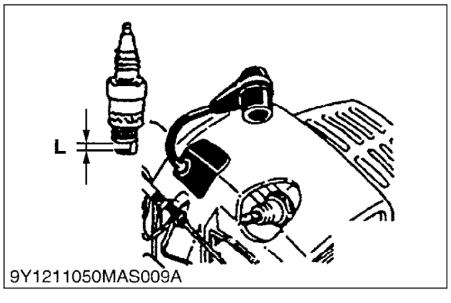
1. Remove the carbon deposit on the electrode and insulator.
2. Adjust the electrode gap to 0.6 to 0.7 mm.

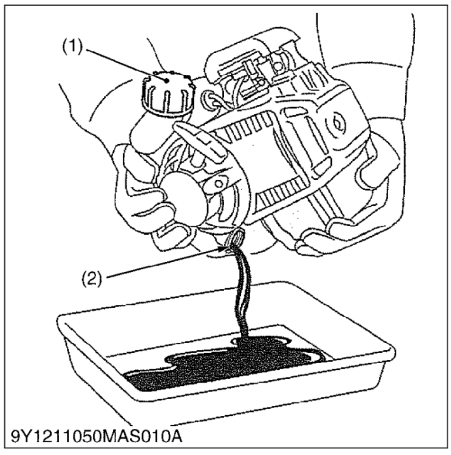
(When assembling)

- When installing, push on the spark plug cap securely.

(1) Spark Plug Cap **L: Electrode Gap**

9Y1211050MAS0008US0





Change the Engine Oil (DH264-S, DH264-W)

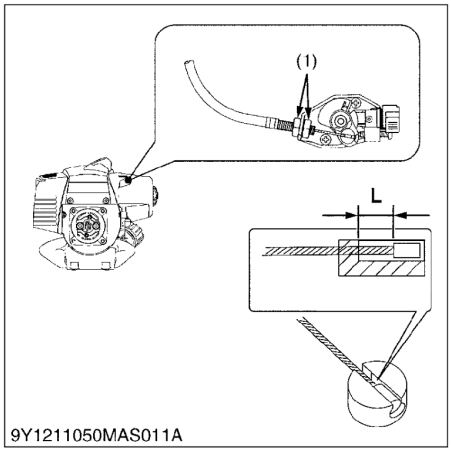
Drain the used oil when the engine is warm. Warm oil drains quickly and completely.

1. Check that the fuel filter cap (1) is tightening securely.
2. Place a suitable container below the engine to catch the used oil.
3. Remove the oil filter cap/dipstick and drain the oil into the container by tipping the engine toward the oil filter neck (2).

(1) Fuel Filter Cap (2) Oil Filler Neck

9Y1211050MAS0009US0

(4) Others



Throttle Wire Free Play

1. Check the throttle wire free play.
2. If the measurement is not within the factory specification, adjust with the turnbuckle (1).

Throttle wire free play	Factory specification	0.5 to 1.0 mm 0.02 to 0.04 in.

■ **NOTE**

- **After adjustment, secure the turnbuckle (1) with the nut.**

(1) Turnbuckle **L: 0.5 to 1.0 mm**

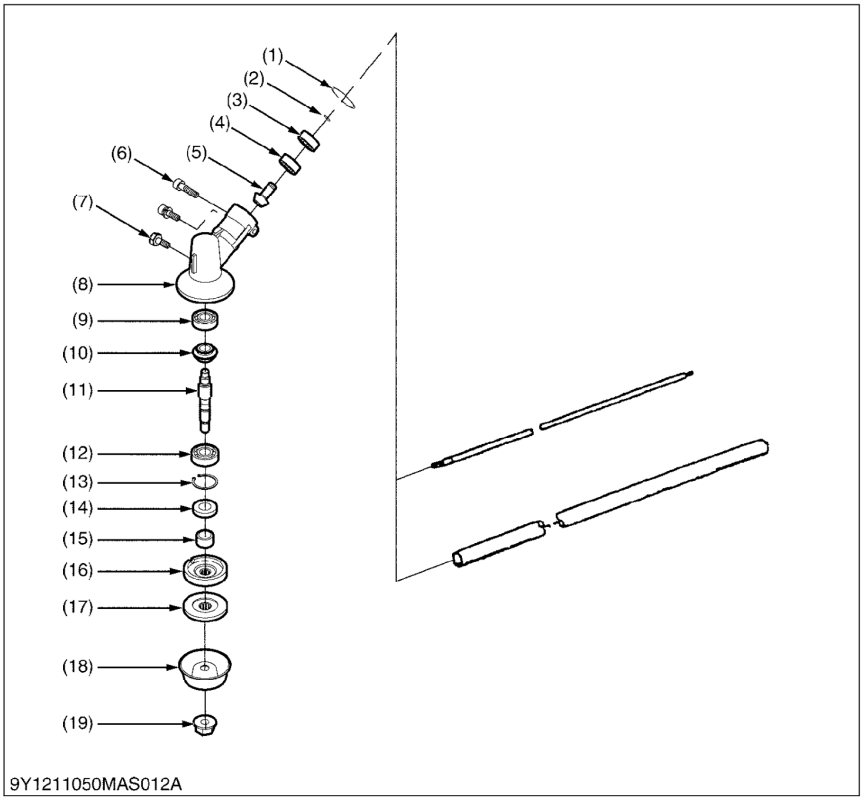
9Y1211050MAS0010US0

Gear Case

- Heat the entire gear case to about 100 °C to disassembling the gear case, after remove the holder, nut, stabilizer, oil seal, snap ring, hexagon bolt, socket screw.
- Exchange bearings and oil seal damaged by heat, and snap rings loosened.

(When reassembling)

- Be sure to assembling the bearings into the bevel pinion in proper order.
- When assembling the spline shaft and bevel pinion assembly into the gear case, similar to disassembling, heat the gear case to about 100 °C and assemble the bevel gear assembly first.
- After assembling, make sure that the shaft can be rotated slightly.
- Apply grease through the lubrication port.
- When assembling the clutch drum into the clutch case, apply a plastic hammer to the center and slightly strike it with a hammer, etc. not to deform the clutch drum.
- Securely assemble the main shaft into the gear case.



9Y1211050MAS012A

(1) C-Snap Ring
(2) C-Snap Ring
(3) Bearing (6000ZZ)
(4) Bearing (6000)
(5) Bevel Pinion
(6) Socket Screw
(7) (+) Hexagon Bolt
(8) Gear Case
(9) Bearing (629)
(10) Bevel Gear
(11) Spline Shaft
(12) Bearing (6201C3)
(13) C-Snap Ring
(14) Oil Seal (TC17328)
(15) Spline Sleeve
(16) Holder (A)
(17) Holder (B)
(18) Stabilizer
(19) Saw Lock Nut

9Y1211050MAS0011US0

2 ENGINE

Introduction

This workshop manual provides necessary information for checking, adjusting and operating MITSUBISHI MEIKI ENGINE TU Series.
To implement rapid and correct maintenance, read this manual thoroughly before starting above procedures.
This manual is described based on specifications on June, 2011. The contents of this manual may not conform to your engine as a result of the change of specifications without prior notice.

KiSC issued 03, 2014 A

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