WSM

WORKSHOP MANUAL
BRUSH CUTTER

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

Kubota

KiSC issued 03, 2014 A

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INFORMATION

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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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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	

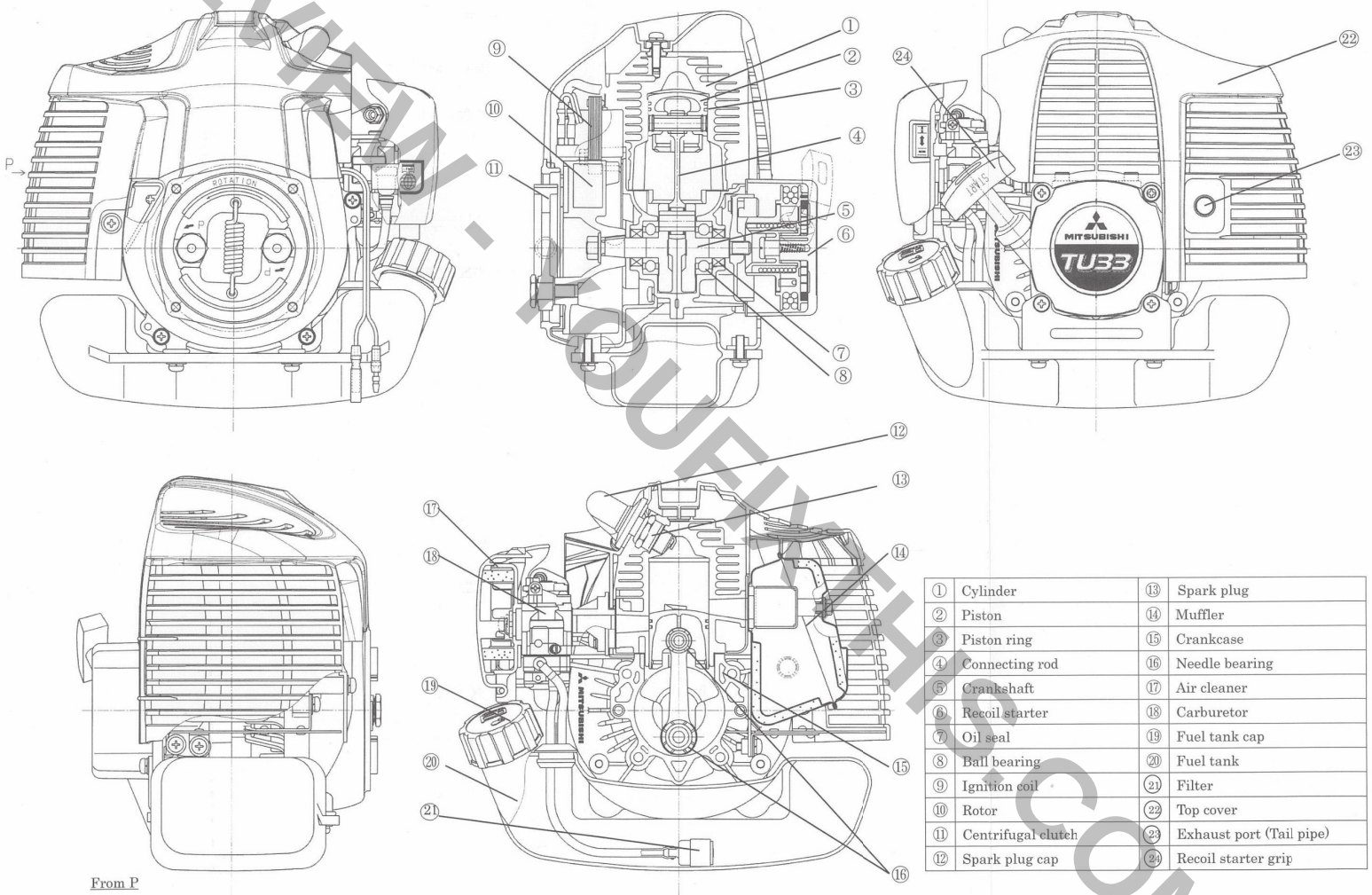
The company reserves the right to change the specifications without notice.

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– 5 Cross sectional diagram



①	Cylinder	⑬	Spark plug
②	Piston	⑭	Muffler
③	Piston ring	⑮	Crankcase
④	Connecting rod	⑯	Needle bearing
⑤	Crankshaft	⑰	Air cleaner
⑥	Recoil starter	⑱	Carburetor
⑦	Oil seal	⑲	Fuel tank cap
⑧	Ball bearing	⑳	Fuel tank
⑨	Ignition coil	㉑	Filter
⑩	Rotor	㉒	Top cover
⑪	Centrifugal clutch	㉓	Exhaust port (Tail pipe)
⑫	Spark plug cap	㉔	Recoil starter grip

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IV

– 4 Tightening torque list

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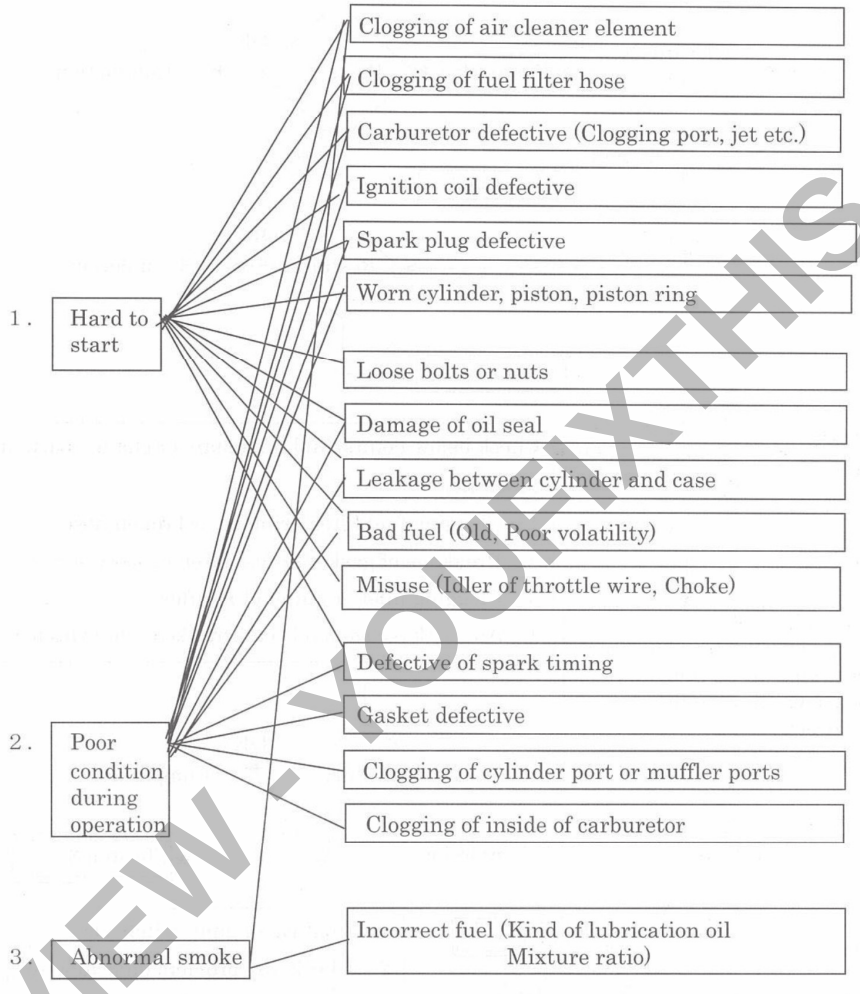
Position	Size	TU26	TU33	TU43
Crankcase Fan case Cylinder Ignition coil	M 5 bolt	4 ~ 5	⇦	⇦
Air cleaner cover	M 5 screw	3 ~ 4	⇦	⇦
Carburetor Insulator Recoil starter Top cover Muffler bracket Fuel tank	M 5 screw	4 ~ 5	⇦	⇦
Cylinder cover Muffler cover Muffler gasket bracket	M 5 screw		4 ~ 5	⇦
Muffler	M 5 nut	4 ~ 5	⇦	—
Muffler	M 6 nut	—	—	5 ~ 6
Rotor	M 8 nut	12 ~ 14	⇦	⇦
Pulley	M 8 nut (Steel plate)	10 ~ 12	—	—
	M 8 nut (Aluminum die cast)	—	8 ~ 10	⇦
Clutch bolt	M 6 bolt	6 ~ 8	—	—
	M 8 bolt		8 ~ 10	⇦
Spark plug	M14	12	⇦	⇦

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IV — 6 Troubleshooting

▶ Main symptoms and the causes



Main 3 points of trouble shooting

1. Compression
2. Fuel
3. Electricity

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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.

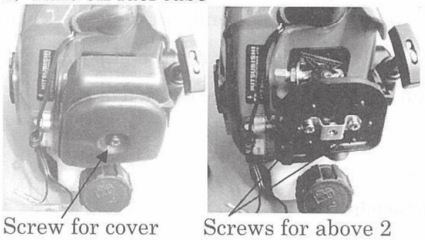
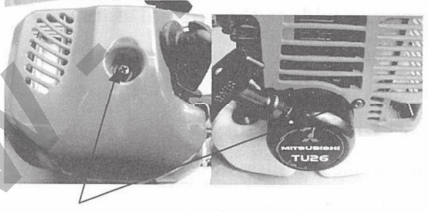
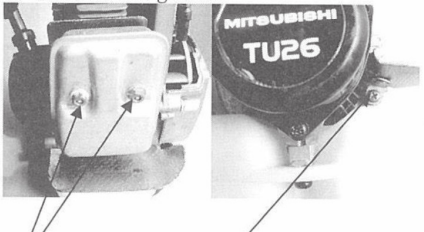
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VI — 2 Disassembly procedure (TU26)

TU26PFD

No	Section	Procedure (Including caution)	Tool	Remark
1	Air cleaner and carburetor	1)Take off cleaner cover 2) Take off a/c case and carburetor 3) Take off fuel tube  Screw for cover Screws for above 2  Fuel tube	+ screwdriver	A/C cover : M5-12 Screw with small washer & spring washer, black 1 pc. A/C case, carburetor : M5-50 Screw with spring washer, black 2 pcs.
2	Spark plug	Take off spark plug  Spark plug	Plug wrench with width across flat 19mm	
3	Top cover	Take off top cover  Screws for top cover	+ screwdriver	Top : M5-16 Screw with plastic washer, washer & spring washer, black, 1 pc. Side M5-16 Screw with small washer & spring washer, black 1 pc.
4	Muffler and the gasket	1) Take off muffler 2) Take off the gasket  Nuts Screw for gasket	Box or closed wrench, + screwdriver	Muffler : M5 flange nut 2 pcs. Muffler gasket : M5-12 Screw with small washer & spring washer, black 1 pc.

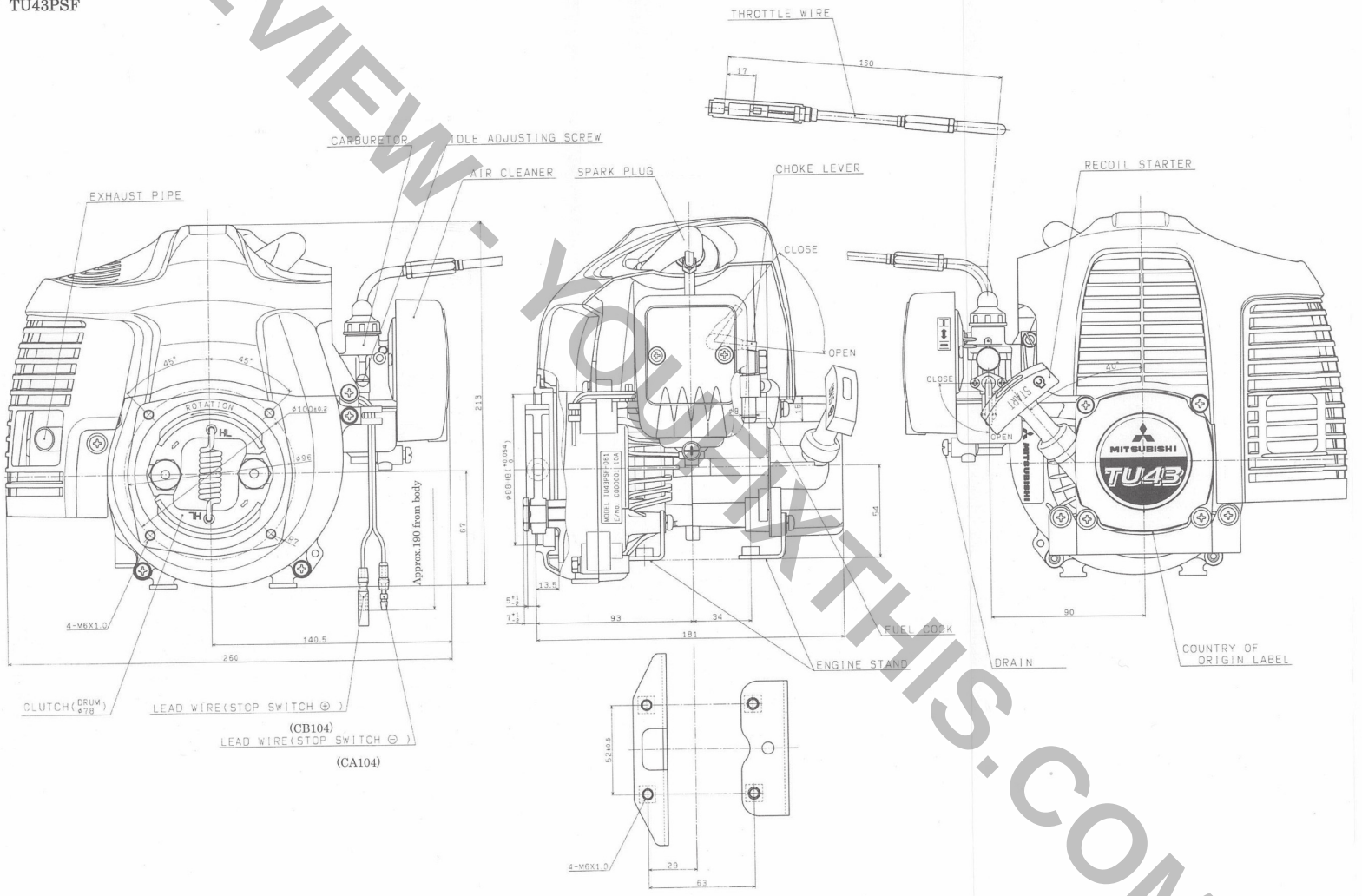
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▶ TU43PSF

▶ TU43PSF



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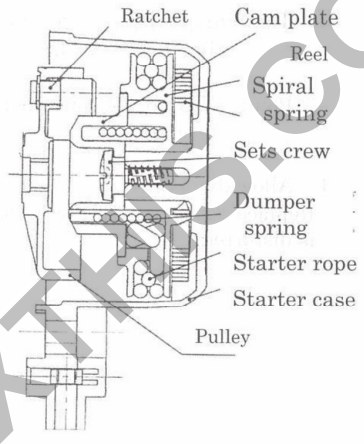
— 6 Recoil starter

There are two types of ratchet type of recoil starter, only TU26MPD type is different.

▶ Structure

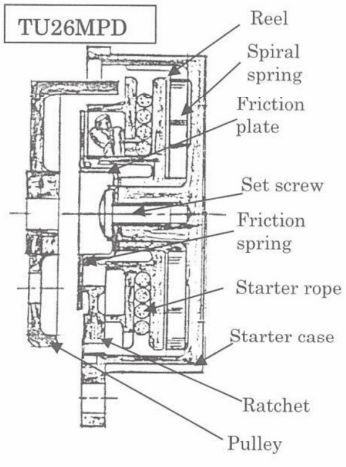
・TU26PFD,TU33,TU43

Ratchets on pulley are connected to crankshaft. When the engine stops the ratchets are hooked to cams on recoil starter side. When the engine rotates the ratchets are released from the cams by centrifugal force. When you return the starter rope, also to be released by inverse rotation of the cams.
There is a dumper spring between the reel and cams, and it improves feeling lightly at the upper dead center.



・TU26MPD

This model has different type of ratchet. Ratchets are attached on recoil case, and during engine stop ratchets and pulley on crankshaft are separated. The ratchets are hooked to the pulley when you pull the starter rope.



(1) Tightening torque of set screw :

TU26PFD	3.4±0.5N・m
TU26MPD	3.4±0.5N・m
TU33,TU43	7.8±0.5N・m

(2) Greasing

Grease ① spiral spring, ② outside of case shaft, ③between cam plate and reel. (Specification: Mobilith SHC100)

(3) Rope

・Diameter : TU26/ ϕ 3.5、TU33,TU43/ ϕ 3.8

・Effective length

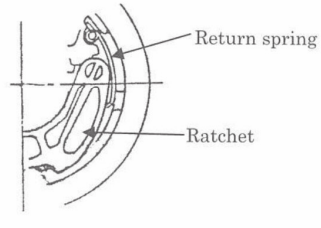
(From recoil case to grip)

TU26 : 700mm

Total length approx. 840mm

TU33,TU43 : 800mm

Total length approx. 980mm



Details of return spring

▶ Inspection

Replace the rope if the rope is cut. If you have trouble at return the rope, grease spiral spring or add one more circuit at the initiation.

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