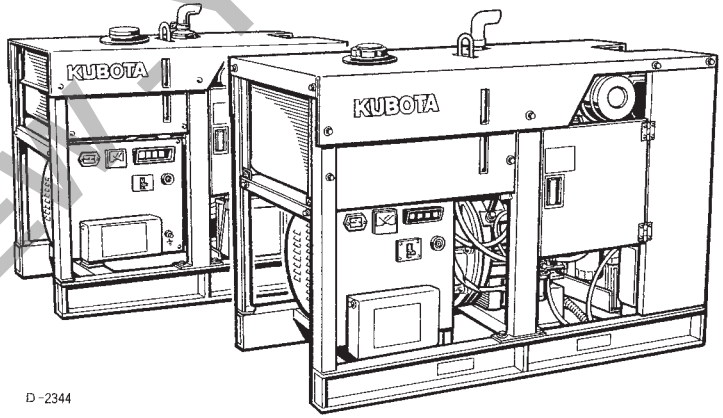
OPERATOR'S MANUAL

ENGLISH

KUBOTA
DIESEL GENERATOR

J106-STD·J107-STD·J108-STD·J110-STD·J112-STD·J114-STD·J116-STD
J119-STD·J310-STD·J313-STD·J315-STD·J318-STD·J320-STD·J324-STD
J107-SA·J110-SA·J114-SA·J119-SA
J106-AUS·J108-AUS·J112-AUS·J116-AUS·J310-AUS·J315-AUS·J320-AUS



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READ AND SAVE THIS MANUAL

Kubota

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SAFE OPERATION

Careful operation is your best insurance against an accident. Read and understand this operator's manual carefully before operating the generator. All operators, no matter how much experience they may have had, should read this manual and all labels on the generator before operating the generator. It is the owner's responsibility to instruct all operators in safe operation.

Be sure to observe the following for safe operation.

OBSERVE SAFETY INSTRUCTIONS

- Read and understand carefully this OPERATOR'S MANUAL and LABELS ON THE GENERATOR before attempting to start and operate the generator.
- Learn how to operate and work safely. Know your equipment and its limitations. Always keep the generator in good condition.
- Before allowing other people to use your generator, explain to them how to operate and have them read this manual before operation.
- DO NOT modify the engine by yourself. UNAUTHORIZED MODIFICATIONS to the engine may impair the function and / or safety and affect engine life.



1AAACAAAP008B

WEAR SAFETY CLOTHING

- DO NOT wear loose, torn or bulky clothing around the generator that may catch on working controls and projections causing personal injury.
- Use additional safety items, e.g. hard hat, safety protections, gloves, etc., as appropriate or required.
- DO NOT operate generator or any equipment attached to it while under the influence of alcohol, medication, or other substances, or while fatigued.
- DO NOT wear radio or music headphones while operating the generator.



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SPECIFICATIONS

■1 Phase Type

GENERATOR									
Model		Unit	J106		J107		J108		
			-STD	-AUS	-STD	-SA	-STD	-AUS	
Design			Salient-pole, revolving-field AC generator (AVR system with separate and self-excitation brush)						
Frequency		Hz	50		60		50		
Rated Output (COP)		kVA	5.5		6.5		8		
		kW	5.5		6.5		8		
Rated Voltage		V	220	240	110/220	127/220	220	240	
Phase & Wire		ϕ -w	1-2		1-3		1-2		
Power Factor		%	100						
No. of Poles		-	2						
Insulation		-	Rotary coil: Class F, Stator coil: Class B						
Voltage Regulation		%	7 (No load to full load)						
Type of Coupling			Direct coupled						
DIESEL ENGINE									
Model			Z482-B-SEC				D722-B-SEC		
Design			Vertical, water-cooled, 4-cycle diesel engine						
No. of cylinders			2				3		
Bore x stroke		mm	ϕ 67 x 68				ϕ 67 x 68		
Displacement		L	0.479				0.719		
Engine speed		rpm	3000		3600		3000		
Lubricating Oil			API service class CD or higher						
Oil capacity		L	2.2				3.4		
Coolant capacity		L	2.3				3.0		
SET									
Fuel			Diesel fuel No. 2 (ASTM D975)						
Fuel consumption (at full load)		L	2.3		2.8		3.2		
Fuel tank capacity		L	37				37		
Continuous Operating Hours		hrs	16.0		13.2		11.5		
Battery (V x Ah/5Hr)			38B20R (12V x 28Ah)				55B24R (12V x 36Ah)		
Starting System			Electric						
L x W x H (with wheel)		mm	923 x 593 x 860 (1037)				995 x 593 x 860 (1037)		
Approx Net Wt.		kg	225				255		
Output	Terminal	-	○	-	○	○	○	-	
	Receptacle	-	-	○	-	-	-	○	
Option	Caster	-	○				○		
Sound Level (full load at 7m)		dB(A)	74.0		76.0		75.0		
Emergency Stop System		-	In case of abnormal: Oil pressure, water temperature						
AMPS									
AMPS		A	25.0	22.9	59.1/ 29.5	51.2/ 29.5	36.4	33.3	

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OPERATING THE GENERATOR

⚠ CAUTION

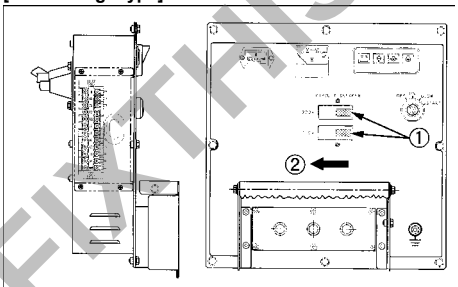
To avoid personal injury:

- **Read "⚠SAFE OPERATION" in the front of this manual.**
- **Read the danger, warning and caution labels located on the generator.**
- **To avoid the danger of exhaust fume poisoning, do not operate the engine in a closed building without proper ventilation.**
- **Always turn OFF the circuit breaker before starting the generator.**
- **Turn OFF all switches on the electrical devices.**
- **Check the wiring and connections of the electrical devices before starting the machine.**
- **DO NOT touch the live parts during operation.**

■Starting the Engine

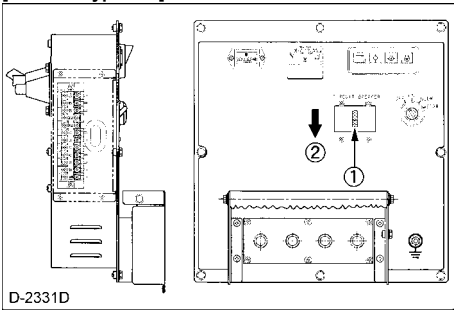
1. **Turn off all switches on the electrical devices.**
2. **Turn off the circuit breakers on the control panel.**

[Dual voltage type]



D-2329D

[3 Phase type etc.]



D-2331D

(1) Circuit breaker
(2) "OFF"

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MAINTENANCE

SERVICE INTERVALS

Observe the following for service and maintenance.

No.	Check point	Interval						Ref. page	
		First 50 hours	Every 50 hours	Every 100 hours	Every 200 hours	Every 400 hours	Every 500 hours		
1	Check of fuel pipes and clamp bands		○					31	
2	Change of engine oil	◎		○				33	◎
3	Cleaning of air cleaner element			○				34, 35	*1
4	Check of battery electrolyte level	○		○				39	
5	Check of fan belt tightness			○				45	
6	Check of radiator hoses and clamp bands				○			38	
7	Replacement of oil filter cartridge	◎			○			34	◎
8	Replacement of fuel filter cartridge or element					○		31	
9	Cleaning of water jacket (radiator interior)						○	38	
10	Replacement of fan belt							45	
11	Check of valve clearance							-	
12	Check of generator carbon brush Replace if necessary.							42	*2
13	Replacement of air cleaner element							34, 35	*3
14	Check of damage in electric wiring and loose connections							41	
15	Replacement of fuel pipes and clamp bands							31	*4
16	Replacement of radiator hoses and clamp bands							38	
17	Replacement of battery							39	
18	Change of radiator coolant (L.L.C.)							37	

IMPORTANT :

- The jobs indicated by ◎ must be done after the first 50 hours of operation.

*1 Air cleaner should be cleaned more often in dusty conditions than in normal conditions.

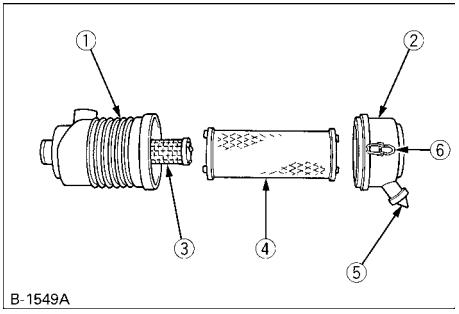
*2 Generator carbon brush should be checked more often in dusty conditions than in normal conditions.

*3 After 6 times of cleaning.

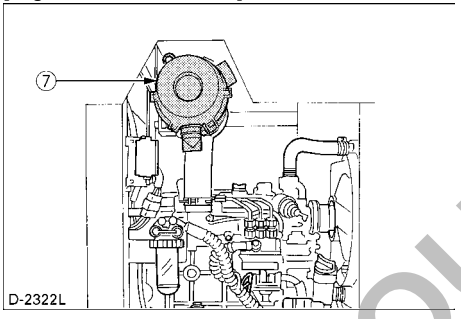
*4 Consult your local KUBOTA Dealer for this service.

- When the battery is used for less than 100 hours in a year, check its electrolyte yearly. (for refillable battery's only)

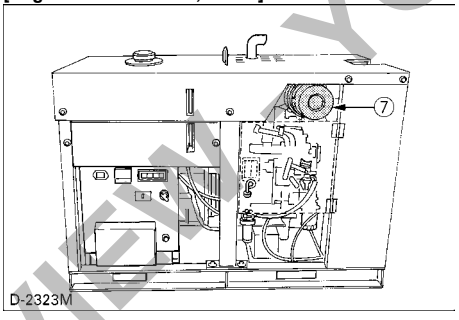
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[Engine model : Z482, D722]



[Engine model : D1005, V1305]



(1) Air cleaner body
(2) Cover
(3) Secondary element
(4) Primary element
(5) Evacuator valve
(6) Hooking clip
(7) Air cleaner

■Cleaning Primary Air Filter Element

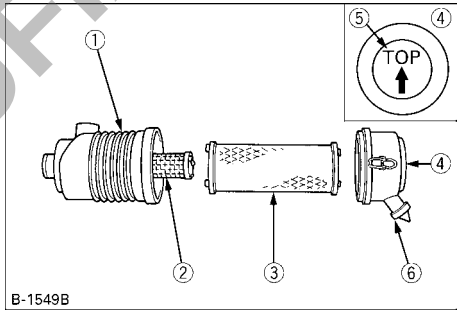
1. To clean the element, use clean dry compressed air on the inside of the element.
   Air pressure at the nozzle must not exceed 205 kPa (2.1 kgf/cm², 30 psi).
   Maintain reasonable distance between the nozzle and filter.
2. To wash the elements, use Donaldson ND-1500 Filter Cleaner, or its equivalent, which is especially effective on oily and soot-laden filters. Follow instructions that are supplied with the filter cleaner.

■Evacuator Valve

Open the evacuator valve once a week under ordinary conditions - or daily when used in dusty condition - to get rid of large particles of dust and dirt.

IMPORTANT :

- If the dust cup is mounted incorrectly, dust or dirt will not collect in the cup and allow the dust to come into direct contact with the element and thus require the element be replaced prematurely.



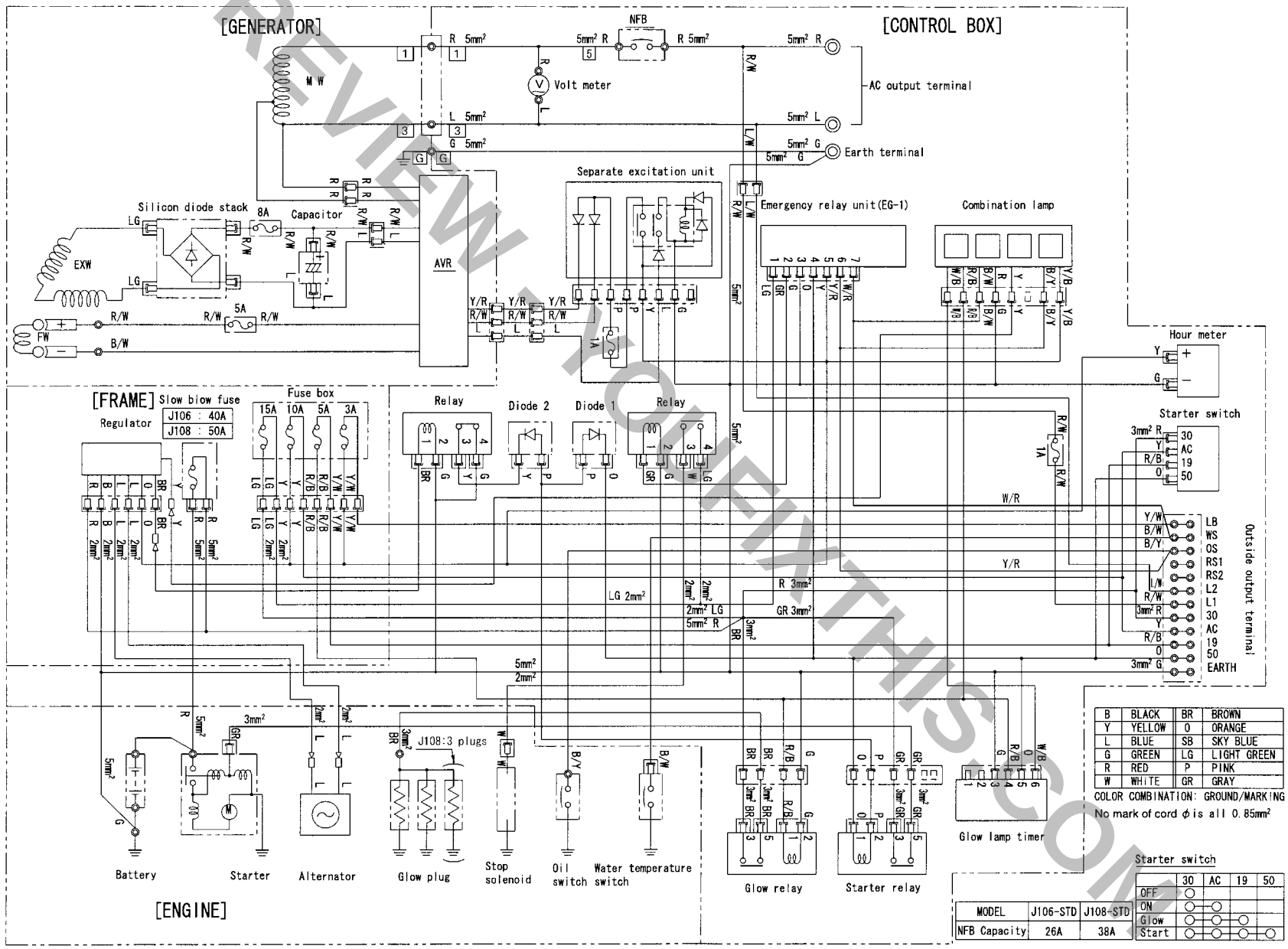
(1) Air cleaner body
(2) Secondary element
(3) Primary element
(4) Dust cup
(5) "TOP" mark
(6) Evacuator valve

■For the Air Cleaner with a Dust Cup

Remove and clean out the dust cup once a week under normal conditions or daily in extreme conditions.
Do not allow the dust cup to fill above half way regardless of conditions.
Install the air cleaner dust cup with "TOP" indicated on the rear of the cup in the upward position with horizontally mounted air cleaner bodies or vertically mounted air cleaner bodies, the cup may be mounted in any direction.

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■J106-STD (220V)
J108-STD (220V)



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