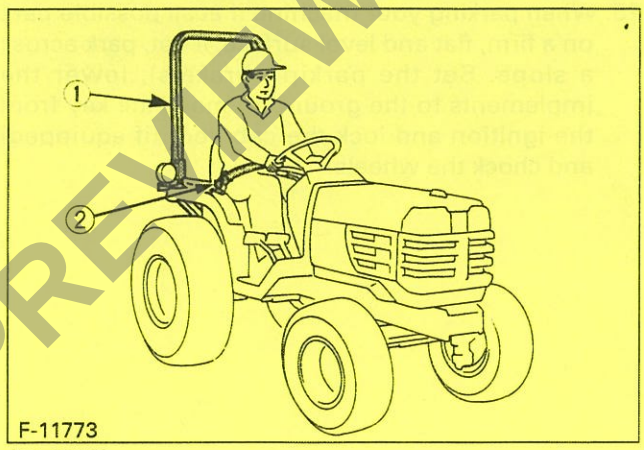
SAFE OPERATION

Careful operation is your best insurance against an accident.
Read and understand this section carefully before operating the tractor.
All operators, no matter how much experience they may have had, should read this and other related manuals before operating the tractor or any implement attached to it. It is the owner's obligation to instruct all operators in safe operation.

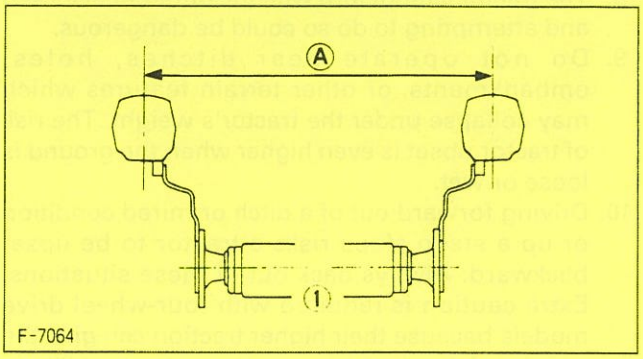
1. BEFORE OPERATING THE TRACTOR

1. Know your equipment and its limitations. Read this entire manual before attempting to start and operate the tractor.
2. Pay special attention to the danger, warning and caution labels on the tractor itself.
3. KUBOTA recommends the use of a Roll Over Protective Structures (ROPS) and seat belt in almost all applications. This combination will reduce the risk of serious injury or death, should the tractor be upset.
   If the ROPS is loosened or removed for any reason, make sure that all parts are reinstalled correctly before operating the tractor.
   Never modify or repair a ROPS because welding, bending, drilling, grinding, or cutting any portion may weaken the structure.
   A damaged ROPS structure must be replaced, not repaired or revised. If any structural member of the ROPS is damaged, replace the entire structure at your local KUBOTA Dealer.



(1) ROPS
(2) Seat belt

4. Always use the seat belt when any ROPS is installed. Do not use the seat belt if a foldable ROPS is down or there is no ROPS. Check the seat belt regularly and replace if frayed or damaged.
5. Do not operate tractor or any implement attached to it while under the influence of alcohol, medication, or other substances or while fatigued.
6. Carefully check the vicinity before operating tractor or any implement attached to it. Check for overhead clearance which may interfere with a ROPS. Do not allow any bystanders around or near tractor during operation.
7. Before allowing other people to use your tractor, explain how to operate and have them read this manual before operation.
8. Never wear loose, torn, or bulky clothing around tractor. It may catch on moving parts or controls, leading to the risk of accident. Use additional safety items, e.g. hard hat, safety boots or shoes, eye and hearing protection, gloves, etc., as appropriate or required.
9. Do not allow passengers to ride on any part of the tractor at anytime. The operator must remain in the tractor seat throughout operation.
10. Check brakes, clutch, and other mechanical parts for improper adjustment and wear. Replace worn or damaged parts promptly. Check the tightness of all nuts and bolts regularly. (For further details, see Maintenance section.)
11. Keep your tractor clean. Dirt, grease, and trash accumulations contribute to fires and lead to personal injury.
12. Use only implements meeting the specifications listed under IMPLEMENT LIMITATIONS in this manual and use only implements approved by KUBOTA.
13. Use proper weights to front or rear of tractor to reduce the risk of upsets. When using the front loader, put the implement or ballast on 3-point hitch to improve stability. Follow the safe operating procedures specified in the attached manual to the equipment.
14. The narrower the tread, the greater the risk of a tractor upset. For maximum stability, adjust the wheels to the widest practical tread width.
    (See "TIRES, WHEELS AND BALLAST" Section)



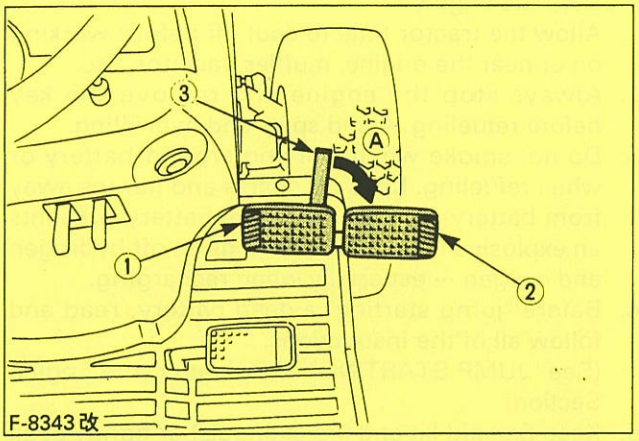
(1) Rear wheels *(A) Tread Width*

15. Do not modify the tractor. Unauthorized modification may affect the function of the tractor, which may result in personal injury.

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3. DRIVING THE TRACTOR ON THE ROAD

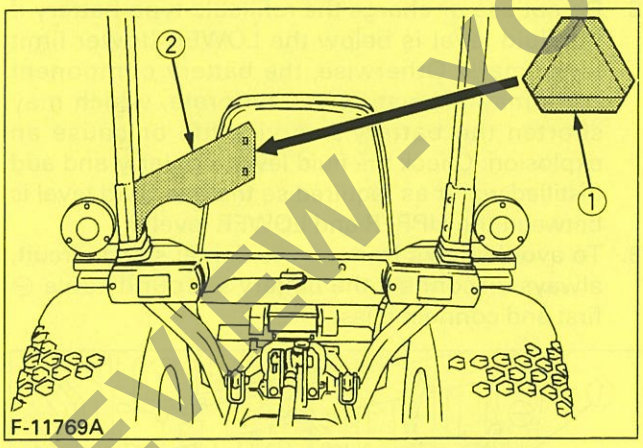
1. Lock the two brake pedals together to help assure straight-line stops. Uneven braking at road speeds could cause the tractor to tip over.



F-8343 改

(1) Brake pedal (LH) *(A) Whenever travelling on the road*
(2) Brake pedal (RH)
(3) Brake pedal lock

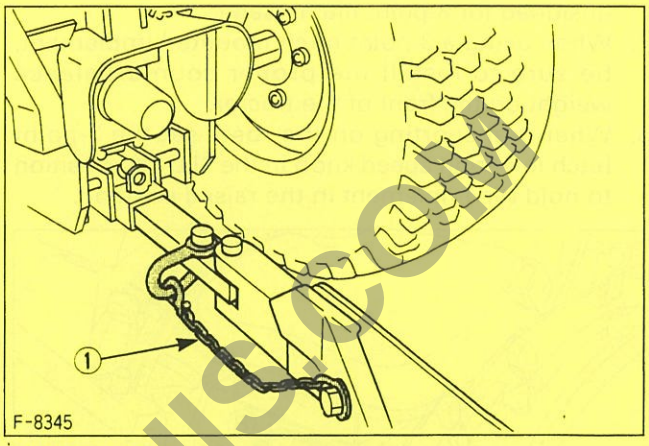
2. Always slow the tractor down before turning. Turning at high speed may tip the tractor over.
3. Make sure that the Slow Moving Vehicle (SMV) sign is clean and visible. Use hazard lights as required.



F-11769A

(1) SMV emblem
(2) Bracket

4. Observe all local traffic and safety regulations.
5. Turn the headlights on.
6. Drive at speeds that allow you to maintain control at all times.
7. Do not apply the differential lock while traveling at road speeds. The tractor may run out of control.
8. Avoid sudden motions of the steering wheel as they can lead to a dangerous loss of stability. The risk is especially great when the tractor is traveling at road speeds.
9. Do not operate an implement while the tractor is on the road. Lock the 3-point hitch in the raised position.
10. When towing other equipment, use a safety chain and place an SMV emblem on it as well.



F-8345

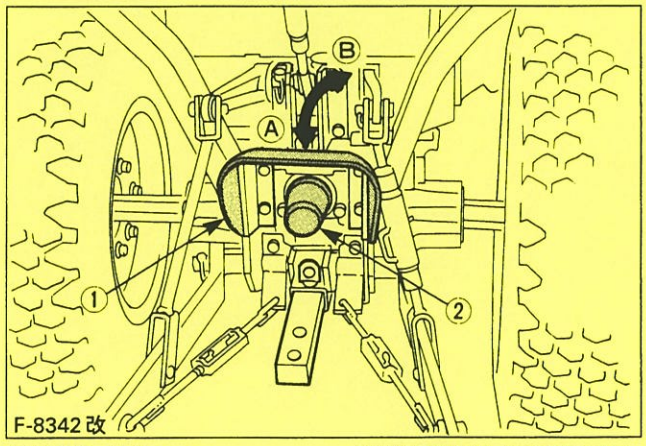
(1) Safety chain

4. PARKING THE TRACTOR

1. Disengage the PTO, lower all implements to the ground, place all control levers in their neutral positions, set the parking brake, stop the engine, and remove the key.
2. Make sure that the tractor has come to a complete stop before dismounting.

5. OPERATING THE PTO

1. Wait until all moving components have completely stopped before getting off the tractor, connecting, disconnecting, adjusting, cleaning, or servicing any PTO driven equipment.
2. Keep the PTO shaft cover in place at all times. Replace the PTO shaft cap when the shaft is not in use.



F-8342 改

(1) PTO shaft cover *(A)"NORMAL POSITION"*
(2) PTO shaft cap *(B)"RAISED POSITION"*

3. Before installing or using PTO driven equipment, read the manufacturer's manual and review the safety labels attached to the equipment.
4. When operating stationary PTO driven equipment, always apply the tractor parking brake and place chocks behind and in front of the rear wheels. Stay clear of all rotating parts.

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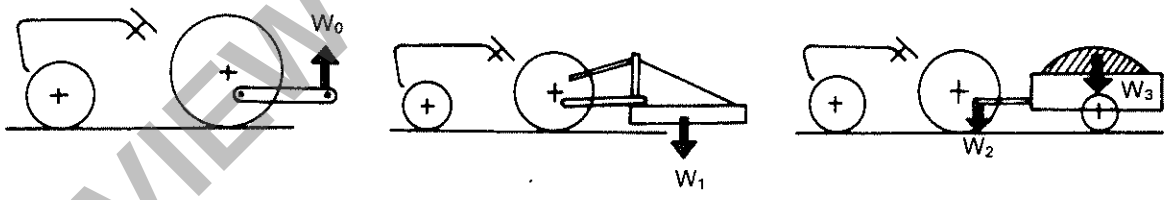
IMPLEMENT LIMITATIONS

The KUBOTA Tractor has been thoroughly tested for proper performance with implements sold or approved by KUBOTA. Use with implements which are not sold or approved by KUBOTA and which exceed the maximum specifications listed below, or which are otherwise unfit for use with the KUBOTA Tractor may result in malfunctions or failures of the tractor, damage to other property and injury to the operator or others. [Any malfunctions or failures of the tractor resulting from use with improper implements are not covered by the warranty.]

	Tread (max. width) with farm tires				Lower link end max. loading weight W_0
	Front			Rear	
	2WD	4WD	Bi-speed Turn		
B2410	900 mm (35.4 in.)	835 mm (32.9 in.)		1064 mm (41.9 in.)	300 kg (660 lbs.)

	Actual figures		
	Implement weight W_1 and/or size	Max. Drawbar Load W_2	Trailer loading weight W_3 Max. capacity
B2410	As in the following list (Shown on the next page)	300 kg (660 lbs.)	1000 kg (2210 lbs.)

Lower link end max. loading weight····· The max. allowable load which acn be put on the lower link end : W_0
Implement weight ····· The implement's weight which can be put on the lower link : W_1
Max. drawbar load ····· W_2
Trailer loading weight····· The max. loading weight for trailer (without trailer's weight) : W_3

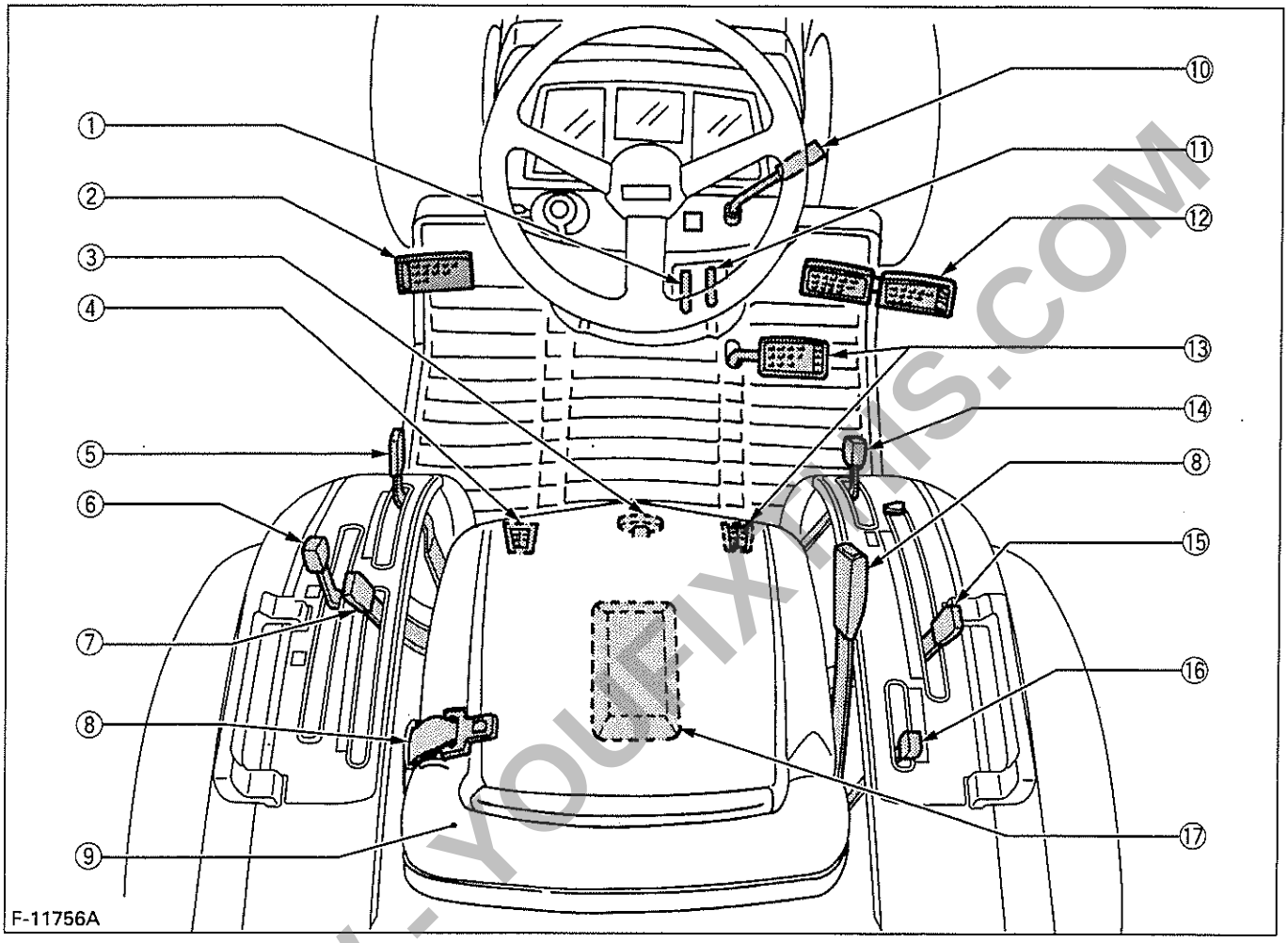


NOTE:
- Implement size may vary depending on soil operating conditions.

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Foot and Hand Controls



ILLUSTRATED CONTENTS

(1) Speed set lever 18,28,29
(2) Clutch pedal 26
(3) 3-Point hitch lowering speed knob 38
(4) Differential lock pedal 31
(5) Mid -PTO gear shift lever 18,34
(6) Range gear shift lever (Hi-Lo) 26
(7) Rear-PTO gear shift lever 18,33
(8) Seat belt 24
(9) Operator's seat 24
(10) Hand throttle lever 19,28
(11) Parking brake lever 16,28,30
(12) Brake pedal 25
(13) Speed control pedal 18,28
(14) Front wheel drive lever [4WD model] 26
(15) Position control lever 19,26
(16) Bi-speed turn lever [Bi-speed turn model] 27
(17) Tool-box ..... –

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OPERATING THE ENGINE

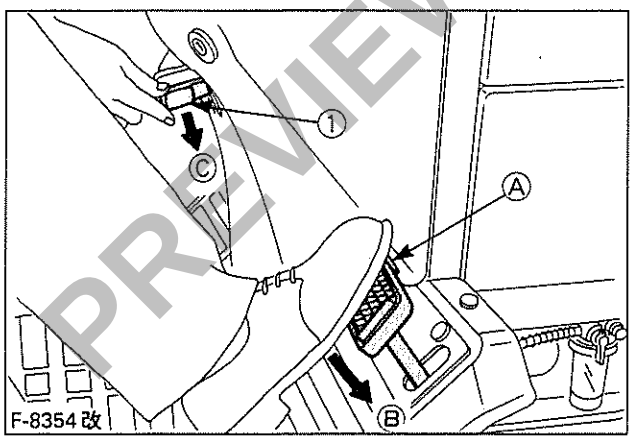
CAUTION
To avoid personal injury:
- **Read "Safe Operation" in the front of this manual.**
- **Read the danger, warning and caution labels located on the tractor.**
- **To avoid the danger of exhaust fume poisoning, do not operate the engine in a closed building without proper ventilation.**
- **Never start engine while standing on ground. Start engine only from operator's seat.**

IMPORTANT:
- Do not use starting fluid or ether.
- To protect the battery and the starter, make sure that the starter is not continuously turned for more than 30 seconds.

STARTING THE ENGINE

1. Make sure the parking brake is set.

1. To set the parking brake;
   1) Interlock the brake pedals.
   2) Depress the brake pedals.
   3) Latch the brake pedals with the parking brake lever.
2. To release the parking brake, depress the brake pedals again.



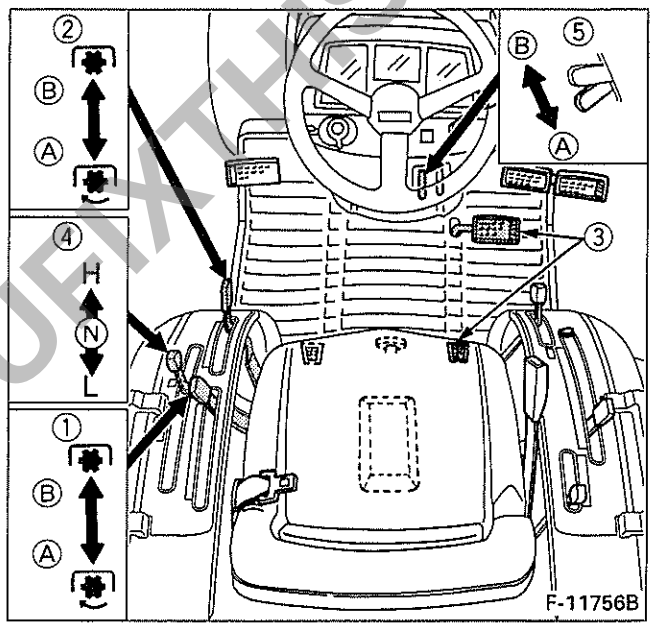
(1) Parking brake lever
(A) Interlock the brake pedals
(B) "DEPRESS"
(C) "PUSH-DOWN"

2. Place the Rear-PTO gear shift lever and Mid-PTO gear shift lever in "OFF" (Disengaged) position.

3. Place the speed set lever in "OFF" position.

Place the speed control pedal in "NEUTRAL" position.

Place the range gear shift lever (Hi-Lo) in "NEUTRAL" position.



(1) Rear-PTO gear shift lever
(2) Mid-PTO gear shift lever
(3) Speed control pedal
(4) Range gear shift lever (Hi-Lo)
(5) Speed set lever
(A)"ON"
(B)"OFF"
(H) "Hi"
(L) "Lo"
(N) "NEUTRAL POSITION"

NOTE:
- The speed control pedal automatically returns to neutral when the operator's foot is released from the pedal.

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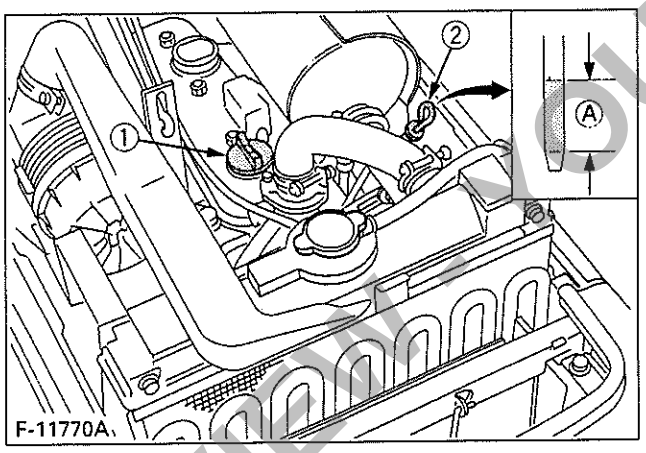
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Changing Engine Oil

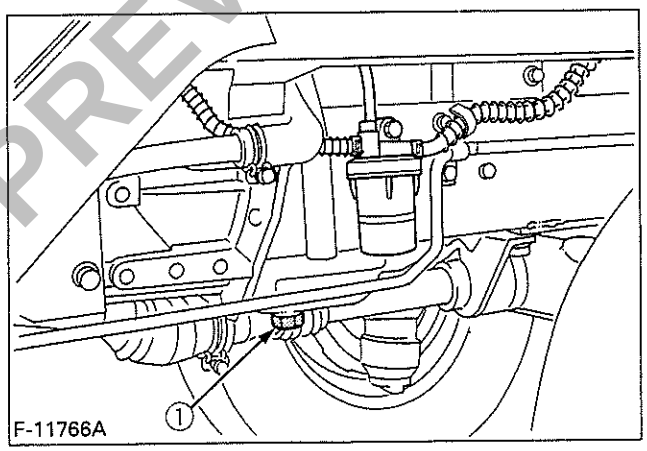
CAUTION
To avoid personal injury:
- **Be sure to stop the engine and remove the key.**
- **Allow engine to cool down sufficiently, oil can be hot and can burn.**

1. To drain the used oil, remove the drain plug at the bottom of the engine and drain the oil completely into the oil pan.
   All the used oil can be drained out easily when the engine is still warm.
2. After draining reinstall the drain plug.
3. Fill with the new oil up to the upper notch on the dipstick.
   (See "LUBRICANTS" in Maintenance Section)
4. Properly dispose of used oil.

Oil capacity with filter	3.0 L (3.2 U.S.qts.)



(1) Oil inlet (A) Oil level is acceptable within this range
(2) Dipstick



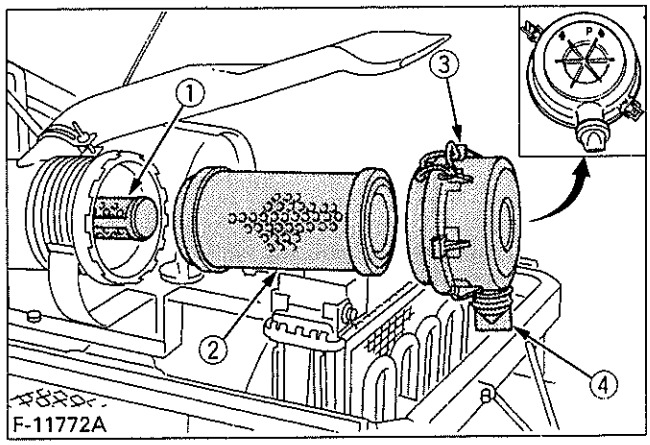
(1) Drain plug

Cleaning Air Cleaner Primary Element

CAUTION
To avoid personal injury:
- **Be sure to stop the engine and remove the key.**

1. Remove the air cleaner cover and primary element.
2. Clean the primary element:
   1) When dry dust adheres to the element, blow compressed air from the inside, turning the element. Pressure of compressed air must be under 686kPa (7kgf/cm², 99psi).
   2) When carbon or oil adheres to the element, soak the element in detergent for 15 minutes then wash it several times in water, rinse with clean water and dry it naturally. After element is fully dried, inspect inside of the element with a light and check if it is damaged or not.
3. Replace air cleaner primary element:
   Once yearly or after the sixth cleaning, whichever comes first.

NOTE:
- Check to see if the evacuator valve is blocked with dust.



(1) Secondary (safety) element
(2) Primary element
(3) Cover
(4) Evacuator valve

IMPORTANT:
- The air cleaner uses a dry element, never apply oil.
- Do not run the engine with filter element removed.
- Be sure to refit the cover with the arrow ⬆ (on the face of cover) upright. If the cover is improperly fitted, evacuator valve will not function and dust will adhere to the element.
- Do not touch the secondary element except in cases where replacing is required.

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DAILY CHECK

For your own safety and maximum service life of the machine, make a thorough daily inspection before starting or operating the machine.

CAUTION
To avoid personal injury:
- **Be sure to check and service the tractor on a firm, flat and level place with the engine stopped, the parking brake "ON" and implements lowered to the ground.**

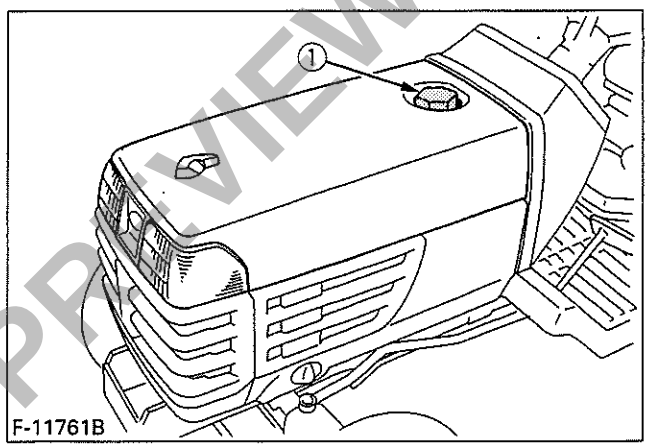
Walk Around Inspection

Look around and under the tractor for such items as loose bolts, trash build-up, oil or coolant leaks, broken or worn parts.

Checking and Refueling

CAUTION
To avoid personal injury:
- **Do not smoke while refueling.**
- **Be sure to stop the engine and remove the key before refueling.**

1. Turn the key switch to "ON", check the amount of fuel by fuel gauge.
2. Fill fuel tank when fuel gauge shows 1/4 or less fuel in tank.
3. Use grade No.2-Diesel fuel at temperatures above –10℃(14℉).
   Use grade No.1-Diesel fuel at temperatures below –10℃(14℉).



(1) Fuel tank cap

Fuel tank capacity	24 L (6.3 U.S.gals.)

IMPORTANT:
- Do not permit dirt, trash or water to get into the fuel system.
- Be careful not to let the fuel tank empty completely, otherwise air will enter the fuel system, necessitating bleeding before engine will start.
- Be careful not to spill fuel during refueling. If a spill should occur, wipe it off at once, or it may cause a fire.
- To prevent condensation (water accumulation) in the fuel tank, fill the tank before parking overnight.

NOTE:
- No.2-D is a distillate fuel of lower volatility for engines in industrial and heavy mobile service.
- Grade of Diesel Fuel Oil According to ASTM D975 (SAE J313 JUN87)

Flash Point ℃ (℉)	Water and Sediment, volume %	Carbon Residue on, 10 percent Residuum, %	Ash, weight %
Min	Max	Max	Max
52 (125)	0.05	0.35	0.01

Distillation Temperature ℃ (℉) 90% Point		Viscosity Kinematic cST or mm²/s at 40℃		Viscosity Saybolt, SUS at 100℉		Sulfur, weight %	Copper Strip Corrosion	Cetane Number
Min	Max	Min	Max	Min	Max	Max	Max	Min
282 (540)	338 (640)	1.9	4.1	32.6	40.1	0.50	No.3	40

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FOREWORD

You are now the proud owner of a KUBOTA Tractor. This tractor is a product of KUBOTA quality engineering and manufacturing. It is made of fine materials and under a rigid quality control system. It will give you long, satisfactory service. To obtain the best use of your tractor, please read this manual carefully. It will help you become familiar with the operation of the tractor and contains many helpful hints about tractor maintenance. It is KUBOTA's policy to utilize as quickly as possible every advance in our research. The immediate use of new techniques in the manufacture of products may cause some small parts of this manual to be outdated. KUBOTA distributors and dealers will have the most up-to-date information. Please do not hesitate to consult with them.

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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 attempt to assemble 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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