FOREWORD

You are now the proud owner of a KUBOTA Tractor. This tractor is a product of KUBOTA's quality engineering and manufacturing. It is made of the excellent materials and under rigid quality control systems. 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 quick as possible, every advance in our research. The immediate use of new techniques in the manufacturing of products may cause some small parts of this manual to become outdated. KUBOTA distributors and dealers will have the most up-to-date information. Please do not hesitate to consult them.

⚠ 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.

CONTENTS

⚠SAFE OPERATION ..... ⚠-1

SERVICING OF TRACTOR 1

SPECIFICATIONS 3
- SPECIFICATION TABLE 3
- TRAVELING SPEEDS 4

IMPLEMENT LIMITATIONS 5

INSTRUMENT PANEL AND CONTROLS 8

PRE-OPERATION CHECK 10
- DAILY CHECK 10

OPERATING THE ENGINE 11
- STARTING THE ENGINE 11
  - Cold Weather Starting 13
  - Block Heater (Option) 13
- STOPPING THE ENGINE 13
- WARMING UP 14
  - Warm-up and Transmission Oil in the Low Temperature Range 14
- JUMP STARTING 14

OPERATING THE TRACTOR 15
- OPERATING NEW TRACTOR 15
  - Do not Operate the Tractor at Full Speed for the First 50 Hours 15
  - Changing Lubricating Oil for New Tractors 15
- BOARDING AND LEAVING THE TRACTOR 15
- OPERATING FOLDABLE ROPS 15
  - To Fold the ROPS 15
  - To Raise the ROPS to Upright Position 16
  - Adjustment of Foldable ROPS 17
- STARTING 18
  - Operator's Seat 18
  - Seat Belt 19
  - Head Light Switch 19
  - Hazard Light Switch 19
  - Turn Signal Light Switch 19
  - Brake Pedal 19
  - Range Gear Shift Lever (Hi-Lo) 20
  - Front Wheel Drive Lever 20
  - Hand Throttle Lever 21
  - Parking Brake Pedal 21
  - Speed Control Pedal 21
  - Speed Set Device (BX2370D, BX2670D) 22
- STOPPING 22
  - Stopping 22
- CHECK DURING DRIVING 23
  - Immediately Stop the Engine if: 23

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

OPTIONS

Consult your local KUBOTA Dealer for further detail.

- 16 x 7.5-8 Bar Tire [BX1870D]
- 24 x 12.0-12 Bar Tire [BX1870D]
- 18 x 8.5-10 Bar Tire [BX2370D, BX2670D]
- 26 x 12.0-12 Bar Tire [BX2370D, BX2670D]
- 18 x 8.5-10 Ind. Tire [BX2370D, BX2670D]
- 26 x 12.0-12 Ind. Tire [BX2370D, BX2670D]
- Arm rest [BX1870D]
- Speed set device (cruise control) [BX1870D]
- Grille guard
- Engine Block heater
  For facilitating starting and reducing warm up period in cold weather.
- Rear Work Light
  For high visibility for night work
- Front end weights
  For front ballast
- Rear wheel weight
- Sunshade for ROPS
- Dual-Double Acting Remote Valve
- Ballast Box
- Male Quick Hitch
- Mid PTO Driveline
  Chute Rotator
  Chute Deflector
  Sweeper
- Tool Box

APPENDICES

INDEX

12V Electric Outlet....25
3-point Hitch Lowering Speed....33
Air Cleaner Element....57
Air Cleaner Element....66
Anti-Freeze....67
Attaching and detaching implements....32
Auxiliary Hydraulic Ports....36
Battery....56
Block Heater (Option)....13
Brake Pedal....19
Brake Pedal....53
Brake Pedal....59
Check Chains....32
Cold Weather Starting....13
Control Lever and Hydraulic Hose Connections....37
Controlling Loader (Only if equipped with loader)....38
Coolant Level....52
Coolant Temperature Gauge....23
Cutting Height Control Dial....34
Differential Lock....26
Directions for Use of Power Steering....27
Do not Operate the Tractor at Full Speed for the First 50 Hours....15
Dual Tires....39
Easy Checker(TM)....23
Electrical Wiring and Battery Cables....53
Engine Breather Hose....68
Engine Cover....49
Engine Oil....61
Engine Oil Filter....60
Engine Oil Level....51
Engine Start System....54
Engine Valve Clearance....66
Fan Belt Tension....59
Flushing Cooling System and Coolant....66
Foldable ROPS....17
Front Axle Case Oil....66
Front Axle Pivot....64
Front Ballast....42
Front Wheel Drive Lever....20
Front Wheels....40
Fuel Filter Element....66
Fuel Gauge....23
Fuel Injection Nozzle Injection Pressure....66
Fuel Lines....68
Fuel Lines and Fuel Filter....58
Fuel System....68
Fuse....69
Gauges, Meter and Easy Checker(TM)....53
Glove Box (BX2370D, BX2670D)....25
Hand Throttle Lever....21
Hazard Light Switch....19
Head Light Switch....19
Head Light, Hazard Light etc....53
Hood....49
Hourmeter/Tachometer....24
HST Neutral Spring (for Speed Control Pedal)....59
Hydraulic Control....33
Hydraulic Control Unit Use Reference Chart....35
Hydraulic Outlet....34
Immediately Stop the Engine if:....23
Inflation Pressure....39
Injection Pump....66
Intake Air Line....63
Intake Air Line....68
Lifting Rod (Right)....32
Light Bulb....69
Lubricating Grease Fittings....54
Lubricating Oil for New Tractors....15
Movable Parts....53
OPC System....55
Operating on a Slopes and Rough Terrain....27
Operating the Tractor on a Road....26
Operator's Manual Holder (BX1870D)....25
Operator's Seat....18
Panel and Radiator Screen....52
Parking....24
Parking Brake Pedal....21
Power Steering Hose....68
Power Steering Line....64
PTO Clutch Lever....29
PTO Drive Shaft....30
PTO Select Lever....28
PTO Shaft Cover and Shaft Cap....29
Radiator Hose (Water pipes)....68
Radiator Hoses and Clamps....62
Range Gear Shift Lever (Hi-Lo)....20

PREVIEW - YOUEMANUALS.COM
Download full manual at youemanuals.com

EVERY 500 HOURS 66
Replacing Fuel Filter Element 66
EVERY 800 HOURS 66
Adjusting Engine Valve Clearance 66
EVERY 1500 HOURS 66
Checking Fuel Injection Nozzle Injection Pressure 66
EVERY 3000 HOURS 66
Checking Injection Pump 66
EVERY 1 YEAR 66
Replacing Air Cleaner Element 66
EVERY 2 YEARS 66
Flushing Cooling System and Changing Coolant 66
Anti-Freeze 67
Replacing Radiator Hose (Water pipes) 68
Replacing Power Steering Hose 68
Replacing Fuel Lines 68
Replacing Engine Breather Hose 68
Replacing Intake Air Line 68
SERVICE AS REQUIRED 68
Bleeding Fuel System 68
Replacing Fuse 69
Replacing Light Bulb 69

STORAGE 70
TRACTOR STORAGE 70
REMOVING THE TRACTOR FROM STORAGE 70

TROUBLESHOOTING 71
ENGINE TROUBLESHOOTING 71

OPTIONS 72

APPENDICES 73
INDEX 73

⚠ SAFE OPERATION

Careful operation is your best insurance against an accident.

Read and understand this manual carefully before operating the tractor.

All operators, no matter how much experience they may have, 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

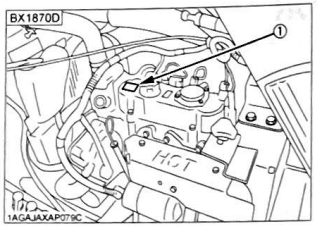
1. Know your equipment and its limitations. Read this entire manual before attempting to start and operate the tractor.
2. Pay special attention to the danger, warning and caution labels on the tractor.
3. Do not operate tractor or any implement attached to it while under the influence of alcohol, medication, controlled substances or while fatigued.
4. Carefully check the vicinity before operating tractor or any implement attached to it. Do not allow any bystanders around or near tractor during operation.
5. Before allowing other people to use your tractor, explain how to operate and have them read this manual before operation.
6. Never wear loose, torn, or bulky clothing around tractor. It may catch on moving parts or controls, leading to the risk of an accident. Use additional safety items, e.g. hard hat, safety boots or shoes, eye and hearing protection, gloves, etc., as appropriate or required.
7. Do not allow passengers to ride on any part of the tractor at anytime. The operator must remain in the tractor seat during operation.
8. Check brakes, linkage pins 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.)
9. Keep your tractor clean. Dirt, grease, and trash build up may contribute to fires and lead to personal injury.
10. Use only implements meeting the specifications listed under "IMPLEMENT LIMITATIONS" in this manual or implements approved by KUBOTA.
11. Use proper weights on the front or rear of the tractor to reduce the risk of upsets. When using the front loader, put an implement or ballast on the 3-point hitch to improve stability. Follow the safe operating procedures specified in the implement or attachment manual.
12. Do not modify the tractor. Unauthorized modification may affect the function of the tractor, which may result in personal injury.

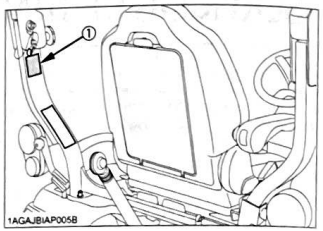
◆ **CAB, ROPS**

1. KUBOTA recommends the use of a CAB or 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. Check for overhead clearance which may interfere with a CAB or ROPS.
2. Set parking brake and stop engine. Remove any obstruction that may prevent raising or folding of the ROPS. Do not allow any bystanders. Always perform function from a stable position at the rear of the tractor. Hold the top of the ROPS securely when raising or folding. Make sure all pins are installed and locked.
3. If the CAB or ROPS is loosened or removed for any reason, make sure that all parts are reinstalled correctly before operating the tractor.
4. Never modify or repair any structural member of a CAB or ROPS because welding, bending, drilling, grinding, or cutting may weaken the structure.
5. A damaged CAB or ROPS structure must be replaced, not repaired or revised.
6. If any structural member of the CAB or ROPS is damaged, replace the entire structure at your local KUBOTA Dealer.
7. If the tractor is equipped with a foldable ROPS it may be temporarily folded down only when absolutely necessary for areas with height constraints.
   (There is no operator protection provided by the ROPS in the folded position. For operator safety the ROPS should be placed in the upright and locked position and the seat belt fastened for all other operations.)
8. Always use the seat belt if the tractor has a CAB or ROPS.
   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.

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

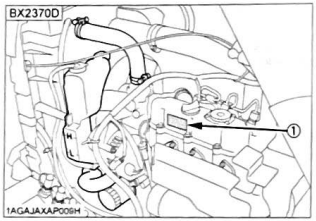
BX1870D



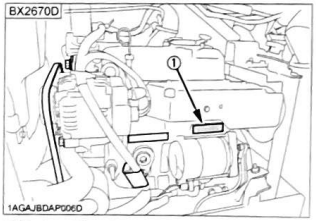


(1) ROPS identification plate
(ROPS serial No.)

BX2370D



BX2670D



(1) Engine serial number

SPECIFICATIONS

SPECIFICATION TABLE

Model				BX1870D	BX2370D	BX2670D
PTO power *1			kW (HP)	10.2 (13.7)	13.2 (17.7)	14.5 (19.5)
Engine	Maker			KUBOTA		
	Model			D722	D902	D1005
	Type			Indirect injection, vertical, water-cooled, 4-cycle diesel		
	Number of cylinders			3		
	Bore and stroke		mm (in.)	67x68 (2.64x2.68)	72x73.6 (2.83x2.90)	76x73.6 (2.99x2.90)
	Total displacement		cm³ (cu. in.)	719 (43.9)	898 (54.8)	1001 (61.1)
	Engine gross power *2		kW	13.4 (18.0)	17.1 (23.0)	19.0 (25.5)
	Rated revolution		rpm	3200		
	Low idling revolution		rpm	1350 to 1550		
	Maximum torque		N-m (lbf-ft)	44.9 (33.1)	56.1 (41.4)	60.2 (44.4)
	Battery			12V, RC. 55min, CCA 450A	12V, RC.80min, CCA 540A	
	Fuel			Diesel fuel No.2 [above -10 ℃ (14 ℉)] Diesel fuel No.1 [below -10 ℃ (14 ℉)]		
Capacities	Fuel tank		L (U.S gals.)	25 (6.6)		
	Engine crankcase (with filter)		L (U.S qts.)	2.9 (3.06)	3.1 (3.3)	3.5 (3.7)
	Engine coolant		L (U.S qts.)	2.5 (2.6)	2.7 (2.8)	2.9 (3.1)
	Recovery tank		L (U.S qts.)	0.4 (0.4)		
	Transmission case		L (U.S gals.)	11.6 (3.1)		
Dimensions	Overall length (without 3p)		mm (in.)	2035 (80.1)	2120 (83.5)	
	Overall length (with 3p)		mm (in.)	2340 (92.1)	2425 (95.5)	
	Overall width (min. tread)		mm (in.)	1145 (45.1)		
	Overall height	(with ROPS)	mm (in.)	2190 (86.2)	2215 (87.2)	
			mm (in.)	1230 (48.4) (Top of seat)	1255 (49.4) (Top of seat)	1330 (52.4) (Top of seat)
	Wheel base		mm (in.)	1340 (52.8)	1400 (55.1)	
	Min. ground clearance		mm (in.)	150 (5.9)	175 (6.9)	
	Tread	Front	mm (in.)	880 (34.6)	930 (36.6)	
		Rear	mm (in.)	820 (32.2)		
Weight (with ROPS)			kg (lbs.)	610 (1345)	640 (1410)	665 (1466)
Clutch				N / A		
Traveling system	Tire	Front		16x7.50-8	18x8.50-10	
		Rear		24x12.00-12	26x12.00-12	
	Steering			Hydrostatic type power steering		
	Transmission			Main: Hydrostatic transmission, High-Low gear shift (2 forward, 2 reverse)		
	Brake			Wet disk type		
	Min. turning radius		m (feet)	2.18 (7.15)	2.3 (7.5)	

REVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

* At 1.013 x 10⁵Pa (760mmHg) pressure (atmospheric) A higher boiling point is obtained by using a radiator pressure cap which permits the development of pressure within the cooling system.

5. Adding the LLC
   (1) Add only water if the mixture reduces in amount by evaporation.
   (2) If there is a mixture leak, add the LLC of the same manufacturer and type in the same mixture percentage.
   * Never add any long-life coolant of different manufacturer. (Different brands may have different additive components, and the engine may fail to perform as specified.)
6. When the LLC is mixed, do not employ any radiator cleaning agent. The LLC contains anticorrosive agent. If mixed with the cleaning agent, sludge may build up, adversely affecting the engine parts.
7. Kubota's genuine long-life coolant has a service life of 2 years. Be sure to change the coolant every 2 years.

NOTE :
- The above data represent industry standards that necessitate a minimum glycol content in the concentrated antifreeze.
- When the coolant level drops due to evaporation, add water only to keep the antifreeze mixing ratio less than 50%. In case of leakage, add antifreeze and water in the specified mixing ratio before filling in to the radiator.

■Replacing Radiator Hose (Water pipes)
Replace the hoses and clamps.
(See "Checking Radiator Hose and Clamp" in "EVERY 200 HOURS" in "PERIODIC SERVICE" section.)

■Replacing Power Steering Hose
Consult your local KUBOTA Dealer for this service.

■Replacing Fuel Lines
Consult your local KUBOTA Dealer for this service.

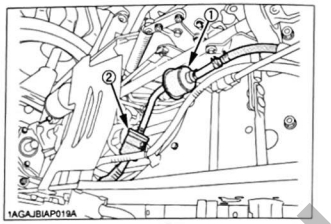
■Replacing Engine Breather Hose
Consult your local KUBOTA Dealer for this service.

■Replacing Intake Air Line
Consult your local KUBOTA Dealer for this service.

SERVICE AS REQUIRED

■Bleeding Fuel System
Air must be removed:
1. When the fuel filter or lines are removed.
2. When the tank is completely empty.
3. After the tractor has not been used for a long period of time.

◆ **Bleeding procedure is as follows:**
1. Fill the fuel tank with fuel.

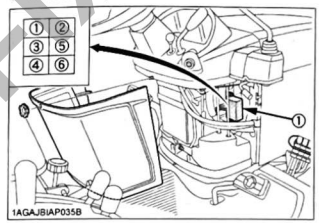


(1) Fuel pump
(2) Fuel filter

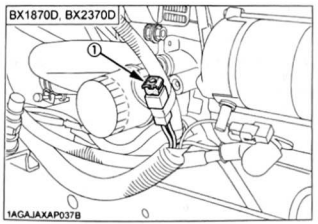
2. Turn the key switch to "ON" position for about 30 seconds. Doing so allows fuel pump to work and pump air out of the fuel system.
3. Start the engine and run for about 30 seconds, and then stop the engine.

■Replacing Fuse
The tractor electrical system is protected from potential damage by fuses.
A blown fuse indicates that there is an overload or short somewhere in the electrical system.
If any of the fuses should blow, replace with a new one of the same capacity.

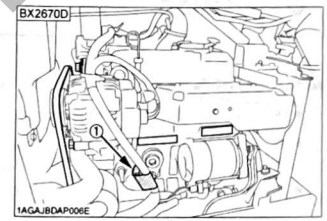
IMPORTANT :
- Before replacing a blown fuse, determine why the fuse blew and make any necessary repairs. Failure to follow this procedure may result in serious damage to the tractor electrical system. Refer to the "TROUBLESHOOTING" section of this manual or your local KUBOTA Dealer for specific information dealing with electrical problems.



(1) Fuse box



(1) Slow blow fuse



(1) Slow blow fuse

◆ **Protected circuit**
[Fuse box]

FUSE No.	CAPACITY (A)	Protected circuit
(1)	15	SOLENOID
(2)	15	HAZARD
(3)	15	ACC
(4)	20	WORKING LIGHT
(5)	10	DC OUTLET
(6)	10	TIMER RELAY

CAPACITY (A)	Protected circuit
Slow blow Fuse (50A)	Check circuit against wrong battery connection

■Replacing Light Bulb
1. Head light
   Take the bulb out of the light body and replace with a new one.
2. Other lights
   Detach the lens and replace the bulb.

Light	Capacity
Head light	37.5W
Tail light	12.8W
Hazard light	23W

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

PRE-OPERATION CHECK

DAILY CHECK

To prevent trouble from occurring, it is important to know the condition of the tractor well. Check it before starting.

CAUTION

To avoid personal injury:

- **Be sure to check and service the tractor on a level surface with the engine shut off and the parking brake "ON" and implement lowered to the ground.**

Check item

- Walk around inspection
- Check engine oil level
- Check transmission oil level
- Check coolant level
- Clean grill and radiator screen
- Check air cleaner evacuator valve (When used in a dusty place)
- Check brake pedal
- Check indicators, gauges and meter
- Check lights
- Check wire harness
- Check seat belt and ROPS
- Check movable parts
- Refuel
  (See "DAILY CHECK" in "PERIODIC SERVICE" section.)
- Care of danger, warning and caution labels
  (See "DANGER, WARNING AND CAUTION LABELS" in "SAFE OPERATION" section.)

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.**
- **Make it a rule to set all shift levers to "NEUTRAL" positions and to place PTO lever in "OFF" position before starting the engine.**

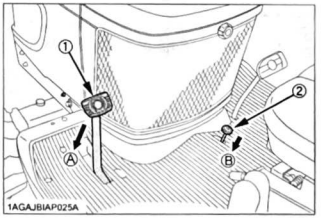
IMPORTANT :

- 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) Depress the brake pedal.
   (2) Latch the brake pedal on pushing and holding the parking brake lock pedal then releasing pressure on the brake pedal.
2. To release the parking brake, depress the brake pedal again.



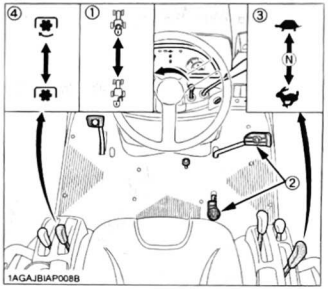
(1) Brake pedal
(2) Parking brake lock pedal
(A) "DEPRESS"
(B) "PUSH DOWN (2) WHILE DEPRESSING (1)"

NOTE :

- It is recommended that the operator practice engaging and disengaging the parking brake on a flat surface without the engine running before operating the tractor for the first time.

2. Place the PTO clutch lever in "OFF" position.

3. Place the speed set rod in "OFF" position. (BX2370D, BX2670D)
Place the speed control pedal in "NEUTRAL" position.
Place the range gear shift lever (Hi-Lo) in "NEUTRAL" position.



(1) Speed set rod (BX2370D, BX2670D)
(2) Speed control pedal
(3) Range gear shift lever (Hi-Lo)
(4) PTO clutch lever
"ON"
"OFF"
"Hi"
(N) "NEUTRAL"
"Lo"
"ON"
"OFF"

NOTE :

- The speed control pedal automatically returns to "NEUTRAL" when the operator's foot is released from the pedal.

REVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

Model			BX1870D	BX2370D	BX2670D
Hydraulic unit	Hydraulic control system		Directional control, auto-return lever system		
	Pump capacity	L/min. (gals/min.)	23.5 (6.2)		
	System pressure	MPa (kgf/cm²) [psi]	12.3 to 12.8 (126 to 130) [1790 to 1850]		
	Three point hitch		SAE Category 1		
	Theree point hitch Max.lift force *3	At lift points N (lbs.)	5390 (1210)		
		24in. behind lift points N (lbs.)	3040 (680)		
	Remote control valve coupler (rear Option)	System	2 valves		
		Coupler	ISO 7341 series A		
	Remote control valve coupler (front Option)	System	2 valves		
		Coupler (nipple)	ISO 7241-1 series B		
PTO	Rear PTO		SAE 1-3/8, 6 splines		
		Revolution rpm	1 speed (540 rpm at 3142 engine rpm)		
	MID-PTO		USA No.5 (KUBOTA 10-tooth) involute spline		
		Revolution rpm	1 speed (2500 rpm at 3043 engine rpm)		

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

NOTE : *1 Manufacturer's estimate
*2 SAE J1995
*3 See and check "IMPLEMENT LIMITATIONS".

TRAVELING SPEEDS

(At rated engine rpm)

Model		BX1870D		BX2370D, BX2670D	
Tire size (Rear)		24 x 12.00 - 12		26 x 12.00 - 12	
Speed control pedal	Range gear shift lever	km / h	mph	km / h	mph
Forward	Low	0 to 6.0	0 to 3.7	0 to 6.5	0 to 4.0
	High	0 to 12.5	0 to 7.8	0 to 13.5	0 to 8.4
Reverse	Low	0 to 4.5	0 to 2.8	0 to 5.0	0 to 3.1
	High	0 to 9.5	0 to 5.9	0 to 10.5	0 to 6.5

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

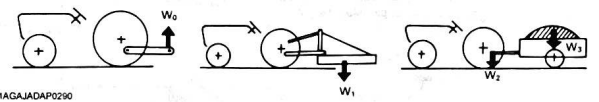
IMPLEMENT LIMITATIONS

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)		Lower link end max. lifting weight W_0
	Front	Rear	
BX1870D	880 mm (34.6 in.)	820 mm (32.2 in.)	550 kg (1210 lbs.)
BX2370D, BX2670D	910 mm (35.8 in.)		

	Actual figures		
	Implement weight W_1 and / or size	Max. Hitch Load W_2	Trailer loading weight W_3 Max. capacity
BX1870D BX2370D, BX2670D	As in the following list (Shown on the next page)	250 kg (550 lbs.)	800 kg (1765 lbs.)

Lower link end max. lifting weight.....The max. allowable load which can 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. hitch 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.
- Strictly follow the instructions outlined in the operator's manual of the mounted or trailed machinery or trailer, and do not operate the combination tractor - machine or tractor - trailer unless all instructions have been followed.
- Forestry Application
  Following hazards exist;
  (a) toppling trees, primarily in case a rear-mounted tree grab-crane is mounted at the rear of the tractor;
  (b) penetrating objects in the operator's enclosure, primarily in case a winch is mounted at the rear of the tractor.
  Optional equipments such as OPS (Operator Protective Structure), FOPS (Falling Object Protective Structure), etc. to deal with these hazards and other related hazards are not available for this tractor. Without such optional equipment use is limited to tractor specific applications like transport and stationary work.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

LUBRICANTS, FUEL AND COOLANT

No.	Locations	Capacities			Lubricants	
		BX1870D	BX2370D	BX2670D		
1	Fuel	25 L (6.6 U.S.gals.)			No. 2-D diesel fuel No. 1-D diesel fuel if temperature is below -10 ℃ (14 ℉)	
2	Coolant (with recovery tank)	2.9 L (3.06 U.S.qts.)	3.1 L (3.3 U.S.qts.)	3.3 L (3.5 U.S.qts.)	Fresh clean soft water with anti-freeze	
3	Engine crankcase	2.9 L *1 (3.06 U.S.qts.)	3.1 L *1 (3.3 U.S.qts.)	3.5 L *1 (3.7 U.S.qts.)	• Engine oil : API Service Classification CF or higher	
					Above 25 ℃ (77 ℉)	SAE30, SAE10W-30 or 15W-40
					0 to 25 ℃ (32 to 77 ℉)	SAE20, SAE10W-30 or 15W-40
					Below 0 ℃ (32 ℉)	SAE10W, SAE10W-30 or 15W-40
4	Transmission case	11.6 L (3.1 U.S.gals.)			• KUBOTA SUPER UDT-2 fluid *2	
5	Front axle case	2.3 L (2.4 U.S.qts.)	4.7 L (5.0 U.S.qts.)		• KUBOTA SUPER UDT-2 fluid *2 or SAE 80 - SAE90 gear oil	
6	Greasing	No. of greasing points			Capacity	Type of grease
	Battery terminal	2			moderate amount	Multipurpose EP2 Grease (NLGI Grade No.2)
	Speed control pedal	1			until grease overflow	

Note *1 Oil amount when the oil level is at the upper level of the oil level gauge.
*2 The product name of KUBOTA genuine UDT fluid may be different from that in the Operator's Manual depending on countries or territories. Consult your local KUBOTA Dealer for further detail.

IMPORTANT :
- To prevent serious damage to hydraulic systems, use only KUBOTA genuine fluid or its equivalent.

For North American market

NOTE :

◆ **Engine Oil:**
- Oil used in the engine should have an American Petroleum Institute (API) service classification and Proper SAE Engine Oil according to the ambient temperatures as shown above.
- Refer to the following table for the suitable API classification engine oil according to the engine type (with internal EGR, external EGR or non-EGR) and the fuel.

Fuel used	Engine oil classification (API classification)	
	Oil class of engines except external EGR	Oil class of engines with external EGR
Ultra Low Sulfur Fuel [<0.0015% (15 ppm)]	**CF, CF-4, CG-4, CH-4** or **CI-4**	**CF** or **CI-4** (Class CF-4, CG-4 and CH-4 engine oils cannot be used on EGR type engines)

EGR: Exhaust Gas Re-circulation
- The CJ-4 engine oil is intended for DPF (Diesel Particulate Filter) type engines, and cannot be used on this tractor.

	except external EGR	with external EGR
Models	BX1870D, BX2370D, BX2670D	---

◆ **Fuel:**
- Cetane number of 45 is minimum. Cetane number greater than 50 is preferred, especially for temperatures below -20 ℃ (-4 ℉) or elevations above 1500 m (5000 ft).
- Diesel fuels specified to EN 590 or ASTM D975 are recommended.
- No.2-D is a distillate fuel of lower volatility for engines in industrial and heavy mobile service. (SAE J313 JUN87)

◆ **Transmission Oil:**
*KUBOTA Super UDT-2. For an enhanced ownership experience, we highly recommend Super UDT-2 to be used instead of standard hydraulic/transmission fluid.
Super UDT-2 is a proprietary KUBOTA formulation that deliveries superior performance and protection in all operating conditions.
Regular UDT is also permitted for use in this machine.
- Indicated capacities of water and oil are manufacturer's estimate.

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 8 of 49 pages

The full manual includes:

- All 49 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Kubota BX1870D, BX2370D, BX2670D Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual